

# Key Energy

08 / 09 / 10 / 11 NOVEMBER

## Legend

-  Electric Mobility
-  Energy Efficiency
-  Energy transition
-  Events organized by companies
-  Hydrogen
-  Opening Event
-  Solar and Storage
-  States General of the Green Economy 2022
-  Sustainable City
-  Wind

# TUESDAY 8 NOVEMBER

TUESDAY 8  
NOVEMBER

09:30 -  
13:15

Agorà Energy 1  
Pav. B7

[Click here](#)

8th National Passivhaus Conference. Can there be a sustainable and democratic future without passive building?

Language: Italian

## **Organized by: ZEPHIR Passivhaus Italia**

The climate crisis is now a concrete and real reality, which has already started its dramatic course. In order to prevent major damage and have a chance to live in a safe and serene environment for ourselves and for the next generations, it is essential to become interpreters of a virtuous turn in some key areas, one of which is certainly energy efficiency in construction. Passivhaus is a building standard of excellence, focusing on values such as living comfort, environmental sustainability and energy conservation. Not only: Passivhaus becomes a truly accessible, democratic and up-to-date solution thanks to the substantial reduction of energy costs over the entire life cycle of the building, the very rapid amortization of the initial investment and the realization of zero-impact structures, thus freed from fossil sources, inevitably conditioned by unstable international economic-political balances. The event, organized by the Zero Energy & Passivhaus Institute for Research®, will aim to promote the passive building model as a decisive tool in the environmental challenge urgently facing us all.

## **Program**

Introduction global climate crisis, description international geopolitical situation related to energy issues, international, European and national policy initiatives and measures on the topic of environmental sustainability, sustainable urban planning and building - Andrea Ferrazzi, Davide Poletto

Description of the 2010/31/EU legislation and the concept of nZEB (Nearly Zero Energy Building) that it describes, with analysis on the declinations that this model has had in the different European countries, and then split on the current status of Sustainable Building in Italy - Bojan Milovanović, Daniele Enea

Examination of the most efficient energy-saving building models, with particular reference to the world of passive houses, its genesis and evolution, as well as the tools and criteria that characterize it

Gianni Silvestrini - Sustainable responses to the climate and energy crisis

Norbert Lantschner - The Party's over - an attempt at a response

Jessica Grove-Smith - Efficiency first, efficiency now! Passive House: an essential ingredient in addressing the climate emergency

Focus on the presentation of ZEPHIR Passivhaus Italia, its history, specific Case Studies and the heterogeneity of the Italian Peninsula according to which to decline the perfect Passivhaus solution - Francesco Nesi

## **Conclusion**

TUESDAY 8  
NOVEMBER

10:00 -  
13:00

Ravezzi 2 South  
Hall

[Click here](#)

## Accelerating the energy upgrading of public assets. Intervention models and financial instruments

Language: Italian

### **Organized by: RENAEL - Rete Nazionale Agenzie Energetiche Locali**

Energy upgrading of the public building stock is among the priority objectives set by national and EU policies. Local Authorities play a key role in accelerating interventions that allow reducing energy consumption, emissions and spending on utility bills. The meeting, organized by the National Network of Local Energy Agencies, is aimed at Public Administration entities with the objective of delving into intervention opportunities, incentives in force for the energy upgrading of the building stock and fostering dialogue between institutions and energy companies. Intervention tools, models of involvement of finance and participation of private operators in the upgrading and management of facilities will be presented with the aim of making the process transparent and clarifying the role of guidance and control of local authorities.

The format will include a conference in the morning, and in the afternoon, public bodies will be able to meet with the event's partner companies by booking an appointment.

The event is the third meeting of RENAEL's national Re-event review dedicated to technical-administrative insights on energy issues of greatest interest to public administration.

Under the patronage of: MiTE - Ministry of Ecological Transition, MIMS - Ministry of Sustainable Infrastructure and Mobility, ENEA, GSE, ANCI NAZIONALE, ANCI Puglia, ANCI Piemonte, ANCI Emilia-Romagna.

With the support of: Citelum, Coopservice, Engie, Gete, Gruppo Hera

### **Program**

9.30-10.00 Registration of participants

10.00 Opening of the session and institutional greetings

Gianluca Galletti, ANCI executive vice president and committee chair, Emil Banca (TBC)

Carlo Salvemini, National Energy Delegate and Mayor of Lecce

10.10 The procedures and financial instruments for energy upgrading of public assets - triggering models

RENAEL

10.30 Placemakers. The inventors of the places we will inhabit

Elena Granata, Professor of Urban Planning at Politecnico di Milano and Vice President of the School of Civil Economy (SEC) (TBC)

10.50 Word to the Mayors: experiences for energy redevelopment

Mayor of Bologna (TBC)

Mayor of Ravenna (TBC)

11.10 Programs and policies for the redevelopment of public assets  
 Angela Mancinelli, Head of Public Sector Operations, EIB EEEF Bank  
 Barbara Casagrande, Directorate General for State Construction, Housing Policies, Redevelopment, MIMS  
 Mauro Mallone, MITE, Directorate General for Competitiveness and Energy Efficiency (CEE) (TBC)  
 Carlo Alberto Nucci, National Representative for EU Mission Climate Neutral and Smart Cities  
 Luca Barberis, Energy Efficiency Directorate, GSE (TBC)

12.00 Word to Business: experiences and business models for energy upgrading (TBD)

13.00 Q&A and Conclusions

TUESDAY 8  
NOVEMBER

10:30 -  
11:15

Innovation Arena -  
South Hall

**Opening Event**  
*Opening Event Key  
 Energy*  
[Click here](#)

## Ecomondo and Key Energy 2022: Opening Ceremony

Language: Italian

### **Organized by Ecomondo and Key Energy**

Inauguration event of the **25th edition of Ecomondo** - *International fair and the reference event in Europe for the ecological transition and the new models of circular and regenerative economy* and of the **15th edition of Key Energy** - *International Fair for renewable energies, storage systems, infrastructures for sustainable mobility and digitization of cities.*

TUESDAY 8  
NOVEMBER

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11:15

Innovation Arena -  
South Hall

**Opening Event**  
*Opening Event Key  
 Energy*  
[Click here](#)

## Ecomondo and Key Energy 2022: Opening Ceremony - ENGLISH LANGUAGE VERSION

Language: English

### **Organized by Ecomondo and Key Energy**

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TUESDAY 8  
NOVEMBER

11:30 -  
12:30

City Green Light  
Stand Pav. D7 Hall  
Est

[Click here](#)

## ApertiTalk - Technologies to enable citizen-centric services

Language: Italian

### Organized by: City Green Light

Data and communication networks as pillars of the sustainable city of the future.

#### Program:

Christian Valerio, Business Unit Director Southern Italy City Green Light  
Dario Safina, Lawyer, former Councillor City of Trapani  
Raimondo Anello, Senior Advisor Arthur D. Little

**Moderator:** Alessandro Bortoletto, Innovation Manager City Green Light

TUESDAY 8  
NOVEMBER

11:30 -  
13:00

Agorà Efficiency  
pav.B6

**Energy  
transition**

*Key Energy Event*

[Click here](#)

## Fire safety in buildings with PV systems. The fire behavior of PV roofs: international and national context

Language: Italian

### Organized by: National Fire Department

Growing energy demand, national incentives introduced in past years in favor of renewable energy sources, as well as the current policies proposed by the European Commission with the overall goal of achieving climate neutrality in Europe by 2050, have led over time to an increasing diffusion of PV. This growth has also been accompanied by that of fires that have developed in activities with the presence of photovoltaic (PV) systems. This phenomenon has contributed to the creation of a process aimed primarily at developing product and installation methodology regulations aimed at minimizing the fire risk related to PV systems placed on the roof or facades of buildings. The meeting aims to illustrate the fire safety design approach for PV installations and systems, contextualizing it at the international, European and national levels. In addition, the technical report CEI TR 82-89:2021 will be presented, which describes different test protocols for evaluating the fire behavior of assemblies formed by PV module samples and building roofing samples, while proposing some criteria for its classification.

#### Program

##### Introduction and greetings

*The fire safety design of PV systems*

Piergiacomo Cancelliere, Rimini Fire Department commander and member of CEI CT82

*The CEI TR 82-89:2021 technical report "Fire risk in PV systems - Fire behavior of PV modules installed on building roofs: test protocols and classification criteria"*

Giovanni Manzini, RSE S.p.A. - Coordinator of gdl 11 "Fire risk in photovoltaic systems" of CEI CT 82

*Experimental tests of fire behavior of PV modules on different types of roofs*

Giombattista Traina, Fire reaction laboratory manager, Istituto Giordano S.p.A.

#### Conclusions

TUESDAY 8  
NOVEMBER

14:00 -  
17:30

Smart Utility Hub  
Area Pav. D7  
[Click here](#)

## Talk - Opening Smart Utility Hub program

Language: Italian

### Organized by: Smart Utility Hub

#### Innovation Investment Development Research

The world of utilities confronts each other at KeyEnergy in the space conceived by Energia Media according to a format consolidated over time within national and international events. A talk, networking and co-working area dedicated to the topics of innovation in Energy and Utility, organized in collaboration with leading innovative companies, utility companies, associations, PA and research organizations. An intense program of talks will be presented over the 4 days of the fair, with outstanding guests called upon to debate highly topical issues, discuss development models and plans, and present case histories and best practices. For the evolution of utilities, effective efficiency plans in public and private spheres, for the transformation of cities and territories into Smart City and Smart Land. A space set up for one-to-one meetings, designed to facilitate the meeting between operators, with a strong imprint oriented to communication and content dissemination.

### Program

#### 2:30 - 5:30 p.m. / Natural Gas and Sustainability.

Energy emergency and climate impact of methane emissions.

International engagement and ongoing actions

Technological innovation and business challenges

In collaboration with Environmental Defense Fund Europe (EDFE)

### Conclusions

TUESDAY 8  
NOVEMBER

14:15 -  
16:00

Agorà Energy 1  
Pav. B7

**Opening Event**  
*Opening Event Key  
Energy*  
[Click here](#)

## Disruptive energy scenarios for Italy



Language: Italian

### Organized by: Key Energy Scientific Technical Committee

New European targets to 2030 and high energy prices in the wake of the aggression against Ukraine, set to remain higher than in the past, point to very rapid growth in renewables and an increasing focus on reducing energy consumption. We are thus at a turning point, after years of stagnation, which point to a strong increase in clean energy production, electric mobility, and demand containment. A study commissioned from Elemens outlines some of the country's possible new energy scenarios.

**President of session**

Gianni Silvestrini, Key Energy Scientific Director

**Moderator**

Jacopo Giliberto, Il Sole 24 Ore

**Program****Key Note Speech by Elemens:**

The study "Scenarios and Tools for Accelerating Renewables" carried out by Elemens is aimed at assessing and sizing the investment, costs and long-term benefits of renewables for the electricity system in the scenario of reaching the 2030 targets in light of the Fit for 55 package and the REPowerEU plan, as well as identifying the role of the latest regulatory and market elements useful to accelerate this path, discussing their underlying potential.

**Institutional roundtable:**

Gilberto Dialuce, President ENEA

Andrea Ripa di Meana, Sole Director GSE

Francesco La Camera, Director General IRENA

**Corporate Roundtable:**

GB Zorzoli, President Energy Economists

Alessandro Marangoni, Althesys CEO

Gaetano Mazzitelli, Executive Vice President Commercial, Asset Planning & Regulatory Affairs SNAM

Fabrizio Iaccarino, Head of Sustainability and Institutional Affairs ENEL

Marco Cittadini, Global Head Falck Renewables - Next Solutions

Fabio Bulgarelli, Director of Regulatory Affairs TERNA

Marco Marsili, Country Chair Shell Italy

Lorenzo Mottura, Director of Strategy, Corporate Development & Innovation Edison

**Discussion and closing**

TUESDAY 8  
NOVEMBER

14:15 -  
16:00

Agorà Energy 1  
Pav. B7

**Opening Event**  
*Opening Event Key  
Energy*  
[Click here](#)

## Disruptive energy scenarios for Italy - ENGLISH LANGUAGE VERSION



Language: English

**Organized by: Key Energy Scientific Technical Committee**

New European targets to 2030 and high energy prices in the wake of the aggression against Ukraine, set to remain higher than in the past, point to very rapid growth in renewables and an increasing focus on reducing energy consumption. We are thus at a turning point, after years of stagnation, which point to a strong increase in clean energy production, electric mobility, and demand containment. A study commissioned from Elemens outlines some of the country's possible new energy scenarios.

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**Discussion and closing**

TUESDAY 8  
NOVEMBER

14:30 -  
16:00

Tulipano Room  
Pav. B6

**Sustainable City**  
Key Energy Event  
[Click here](#)

## Accelerating circularity in the construction sector: the role of carbon and embodied energy for project sustainability

Language: Italian

**Organized by: Legambiente, Kyoto Club**

On the path to decarbonization of the construction sector, there is growing attention to the carbon embedded in materials and buildings. In Europe, 36 percent of emissions depend on the building sector, and making data on carbon content transparent becomes crucial in the choices of redevelopment of the built heritage to encourage the most virtuous path. The European Commission has embarked on an in-depth study of the topic with a view to regulatory action to increase attention to materials life cycle, carbon content and performance in new buildings and more sustainable intervention choices in the rehabilitation of existing heritage. The Seminar will be an opportunity for the presentation of a report on the topic and for discussion among European and national, institutional, economic and social stakeholders.



## Session Chairs

Katiuscia Eroe, Legambiente energy manager  
Mimmo Fontana, Legambiente national secretariat

Session One - Embodied carbon in buildings: new European regulatory references and ongoing innovations

Introducer: Sergio Andreis, Kyoto Club

Presentation of the report "Embodied carbon: a new challenge towards decarbonization. The regulatory situation and good practices in Italy and abroad"

Gabriele Nanni, Legambiente scientific office

Speakers:

Marco Caffi, Director Green Building Council Italy  
Mariadonata Bancher, South Tyrol Energy Agency - CasaClima

Second Session - Decarbonization of the construction sector: challenges and opportunities

Speakers:

Paolo Barberi, ANPAR President  
Giuseppe Adesso, Head of Construction Management Office ACER Ferrara  
Lorenzo Bernardi, Environment and Safety Manager Fassa Bortolo, vice president cluster build ER  
Valentina Mingo, ANCE Environment and Sustainability Manager  
Valerio Barberi, Town Planning and Environment Councillor of the Municipality of Prato

## Conclusions

Language: Italian

TUESDAY 8  
NOVEMBER

15:00 -  
18:00

Agorà Energy 2  
pav. D7  
[Click here](#)

TUESDAY 8  
NOVEMBER

15:00 -  
18:00

Agorà Efficiency  
Pav. B6

**Energy  
Efficiency**  
Key Energy Event  
[Click here](#)

## Finance for energy efficiency

Language: Italian

### Organized by: FEDERESCO

The event wants to update operators on the financing strategies necessary to relaunch investments for optimizing consumption and favoring the release of the Energy Efficiency market. For the European Union to achieve its energy and climate goals by 2030, significant investments are needed to make energy efficiency projects more attractive to potential investors and financial institutions. The European Union has therefore identified the promotion of an energy efficiency services (EES) market in Europe as a priority for the future. The conference intends to deepen the theme of the refinancing of energy efficiency projects in the Italian context, thanks to the intervention of stakeholders in the sector and experts in the specific sector. In this context, the EU-funded REFINE project has identified the lack of attractive financing options for energy efficiency projects as a major barrier to developing a solid market in Europe. Federesco, together with operators in the sector, will feed the discussion to provide solutions for favoring the development of financing for energy efficiency.

### Session Chair

Claudio G. Ferrari, Federesco President

### Program

Beginning of the session - Registration of participants

Introduction and Welcome

Claudio G. Ferrari, Federesco

The energy situation in Italy: the regulatory framework and objectives

Prof. Antonio Pezzini, European Economic and Social Committee (EESC)

Resources to incentivize energy efficiency and renewables

Andrea Ripa di Meana (\*), GSE

European dimension: REFINE project

Patrick Maurelli, Federesco

Energy crisis: mini-project finance as the optimal solution for energy efficiency and distributed generation

Evarist Granata, Alternative Capital Partners SGR

Bridging the gap: need for specialized investors to accelerate the energy transition

ranco Hauri, Aquila Capital

EPC contract procurement: risk assessment, experiences and lessons learned

Paolo Potenza, Genera Group

ROUND TABLE.

Question 1 - How to promote and support the EPC model by attracting more financing?

Question 2 - What tools can be most effective in Italy to enhance the re-financing of Energy Efficiency services?

Question 3 - Can Guarantee Tools and insurance be enablers of the energy efficiency sector?

Open Discussion:  
 Giovanni Maraviglia - VPE  
 Silvano Mazzantini - MPM Legal  
 Eduardo Balekjian - Joule Assets  
 Claudio Bruno - Kairos engineering

Moderator: Patrick Maurelli

### Questions and Conclusions - Federesco

TUESDAY 8  
NOVEMBER

15:00 -  
18:00

Neri 2 Room  
South Hall  
[Click here](#)

Language: Italian

TUESDAY 8  
NOVEMBER

15:00 -  
18:00

Neri 1 Room South  
Hall  
[Click here](#)

Language: Italian

TUESDAY 8  
NOVEMBER

16:00 -  
17:30

Arena Encounters  
of Light (pav. D7)

**Sustainable City**  
Key Energy Event  
[Click here](#)

### Meetings of Light - Public Lighting and Renewable Energy Communities: new challenges

Language: Italian

**Organized by: AIDI - Italian Lighting Association**

Light Encounters returns to the Key Energy. Innovations and technologies are changing the way we perceive and use light in our cities. A scenario where it becomes essential to gain clarity with companies, utilities and designers, representatives of the public administration that throughout the Fair, in the Sustainable City area" in the six talks organized by AIDI (Italian Lighting Association) in collaboration with Key Energy will give us their opinion on the state of play and the future of an increasingly intelligent, interactive and sustainable light. Several topics will be covered: from the increasingly strategic and fundamental role of energy communities and renewable lighting and energy sources to the importance of nature centric lighting design and the opportunities offered by smart cities and smart mobility.

## Program

Moderator: Mariella Di Rao, journalist, Studio Communication & Image

Participants:

Gabriella De Maio, IFEC Italian Forum of Energy Communities coordinator and professor of Energy Law, University of Naples "Federico II"

Domenico Pellei, alderman with responsibility for Heritage and Community Policies (PNRR, Structural Funds and Territorial Cooperation) of San Benedetto del Tronto (AP)

Adriano Romagnoli, head of marketing, GBU Energy Solutions ENGIE Italy

Stefano Zuelli, managing director Iren Smart Solution

Hubert Leitner, ceo Leitner Energy srl

## Conclusion

TUESDAY 8  
NOVEMBER

16:00 -  
18:00

Mimosa Room  
Pav. B6

**Solar and  
Storage**

Key Energy Event  
[Click here](#)

## Development scenarios of the storage systems market in Europe and Italy

Language: Italian

**Organized by: ANIE**

We are in a very delicate transition phase, because in the next 8 years the Italian electricity system will no longer be thermoelectric driven, but renewable and in particular non-programmable. Storage systems will play a very important role in both the adequacy of the electricity system and grid services for dispatching. Starting from the European evolutionary scenario, the aspects for a concrete development of storage systems technology in Italy, the mechanisms of operation and their impact on the grid will be explored.

## Program

**Moderator:** Emiliano Bellini, PV Magazine Editor

16.00

Registration of participants

16.10

Introduction and welcome

Michelangelo Lafronza, Secretary ANIE Renewables

16.15

Daniel Fuchs, IBESA Vice President

EU Energy Storage Market Developments - The Installers' Perspective

16.25

Raffaele Rossi, Head of market intelligence SOLAR POWER EUROPE

Status of the residential BESS market in Europe

16.35

Fabio Zanellini Chairman of the Technical Committee of the ANIE Storage Systems Group

Recent innovations in the Italian regulatory framework

16.45

Salvatore Alessandro Casa, Consultant Elemens

Regulation and market: what space for batteries in Italy?

16.45

Round Table

Andrea Maria Felici, Head of the Energy Department - Energy Markets Division MiTE

Andrea Galliani, Deputy Director Wholesale Markets and Environmental Sustainability Directorate ARERA

Luca Marchisio, TERNA System Strategy Director

Daniele Rosati, Coordinator GdL Storage Utility Scale ANIE Federation

17.30

### Conclusions

TUESDAY 8  
NOVEMBER

16:00 -  
18:00

Mimosa Room  
Pav. B6

**Solar and  
Storage**

*Key Energy Event*

[Click here](#)

## Development scenarios of the storage systems market in Europe and Italy - ENGLISH LANGUAGE VERSION

Language: English

### Organized by: ANIE

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Daniele Rosati, Coordinator GdL Storage Utility Scale ANIE Federation

17.40

## Conclusions

TUESDAY 8  
NOVEMBER

16:00 -  
18:00

Diotallevi 1 Room  
South Hall

**Energy  
transition**

*Key Energy and  
Ecomondo Event*  
[Click here](#)

## Circular energies: The materials at the service of the energy transition

Language: Italian

**Organized by: Reteambiente, Ecomondo Scientific Technical Committee, Key Energy Scientific Technical Committee**

[Book you seat](#)

In the coming decade, the development of the renewable energy sector will be both impetuous and critical. And it will have to come to terms with the difficult sourcing of the necessary raw materials, fluctuating fossil fuel prices, the water crisis, and more. Therefore, new strategies to harvest renewable energy from the territories must be added to the large photovoltaic and wind power programmes, leveraging specific material flows that can become important carriers for this purpose. Many sectors are already prepared to be involved in this new scenario: from agro-food to sludge or organic fraction management, from the wood and furniture sector to pruning waste, with innovative high-performance solutions, consistent with their respective supply chains. And so, subjects that are already today players in the circular economy can become co-leaders of the energy transition, according to an integrated strategy that promotes new uses of biomaterials and renewable matter. This is a unique challenge, as the energy sector has so far not embraced the issue of material circularity, whilst renewable fuel strategies are only in their infancy. The convention - through the contributions of experts, industrial operators, and key players in transition policies - aims to look at "who can do what" and start a discussion on how current and significant the contribution of materials can be in accelerating and consolidating the energy transition.

### Session Chair

Gianni Silvestrini, Chairman of the Technical Scientific Committee of Key Energy and Scientific Director Kyoto Club

## Moderation

Sergio Ferraris, Director of Nextville magazine

Program

16.30 Accreditation of participants and Start of the proceedings

16.35-16.45 *The EU vision on energy transition and the 2030 targets*

Simona Bonafè, MEP, member of the Environment Committee (ENVI)

16.45-16.55 *Energy communities: citizens, businesses and public administration*

Gianni Silvestrini, Kyoto Club Scientific Director

16.55-17.05 *Energy Economics and ecological transition*

David Chiaromonti, Polytechnic University of Turin

17.15-17.25 *Energy Circularity*

Nicola Tagliaferro, Head of Sustainability Enel X Global Retail

17.25-17.35 *Sewage sludge vs. renewable energy*

Andrea Lanuzza, General Manager Management CAP Group

17.35-17.50 *Valorization of wine waste in industrial production*

Carlo Dalmonte, President Caviro Spa

17.50-18.00 *The use of biomass to achieve carbon neutral goals*

Filippo Capurso, Sustainability Coordinator Andriani S.p.A.

18.00-18.10 *The prospects of biogas and biomethane production in agriculture*

Piero Gattoni, President CIB

18.10-18.20 *The future of plants in anaerobic digestion*

Franco Lusuriello, CEO BTS Biogas

TUESDAY 8  
NOVEMBER

16:30 -  
18:00

Tulipano Room  
Pav. B6

[Click here](#)

## Grid-eMotion™: charging systems for Local public Transport and large scale commercial fleets

**Organized by: HITACHI Energy Italy SpA**

*According to the EEA's Transport and environment report, public transport is the second largest mobility system in Europe, and is responsible for about 10 percent of total greenhouse gas emissions from fossil fuels. This is why the EU Clean Vehicle Directive has set a target of converting at least 33 percent of bus fleets to electric by 2030. Reducing emissions in the public mobility sector is closely linked to the energy transition and related policies. The key aspect of this transition is to understand the integration and synergy relationships that link the mobility sector and the energy production and management sector. Hitachi Energy a technology leader in the energy sector, contributes its Grid-eMotion™ Fleet and Grid-eMotion™ Flash solutions to the creation of smart charging systems for electric vehicle fleets, which can optimize Total Cost of Ownership through innovative infrastructure solutions and smart energy management systems*

## Programme

dott. Filippo Passante, Operating Unit Manager, Business Unit Grid Integration di Hitachi Energy Italy

Q&A

## Closure

TUESDAY 8  
NOVEMBER

16:30 -  
18:00

Agorà Energy 1  
Pav. B7

**Solar and  
Storage**

*Key Energy Event*

[Click here](#)

## Energy communities: objectives and projects starting with the implementation of the Legislative Decree 199/2021



Language: Italian

**Organized by: Coordinamento FREE, Italia Solare, Legambiente**

A scenario of major changes for distributed generation is about to unfold, with the full transposition of Directive 2018/2001/EU and innovations related to self-consumption and renewable energy communities. The conference aims to address the opportunities opening up for clean energy generation, storage, and sharing, but also the open issues. Results of the experiments related to the implementation of the Decreto Milleproroghe, with the anticipation for projects up to 200 kW, and the new rules set by Legislative Decree 199/2021, pending the approval of the implementing decrees, will be explored, with particular attention to the economic feasibility and access to credit for interventions, the simplification of procedures to make possible the implementation of widespread interventions of collective self-consumption from renewable sources and configurations of energy communities for families, businesses, Local Authorities and associations. High-profile interlocutors will discuss these issues during the seminar with the aim of speeding up and making the decision-making process transparent.

### Session Chairman

Edoardo Zanchini (Legambiente)

### Program

Part One.

Legislative Decree 199/2021: the new rules and ongoing projects

Emilio Sani (Italia Solare)

Davide Valenzano (GSE)

Second part.

Accelerating project deployment: financing and legal models, goals to overcome barriers to implementation

### Discussants:

- Simone Benassi (Enel X)



- Massimo Beccarello (Confindustria)
- Sara Capuzzo (ènostra)
- Gianluca Corbellini (Hive Power)
- Annalisa Corrado (Azzeroco2)
- Francesco Ferrante (Kyoto club)
- Maria Teresa Imparato (Legambiente)
- Stefano Nassuato (Regalgrid Europe)
- Alessandro Scipioni (Elettricità Futura)
- Fabio Zanellini (Falck Renewables)

## **Conclusions**

# WEDNESDAY 9 NOVEMBER

WEDNESDAY 9  
NOVEMBER

09:00 -  
18:00

Orchidea Room  
1st floor Pav. D6

**Wind**  
Training course  
[Click here](#)

## Training course: Operation & Maintenance

Language: Italian

**Organized by: ANEV**

The objectives of the course are:

- Acquire basic and specific knowledge on monitoring wind farms through engineering controls and inspections;
- Learn how to plan and carry out routine and extraordinary maintenance of wind farms;
- To know the most innovative working methods for carrying out O&M activities;
- Know the various types of O&M contracts;
- Gain basic and specific knowledge of safety in O&M activities;
- Learn about techniques for optimizing electrical production and digital services for plant management

Membership mode: exhibiting companies will enjoy the discount provided for the Order of Engineers and other Associations.

### Program

Introduction and welcome

9:15 a.m.

Introduction to the management and maintenance of a wind farm Luciano Pirazzi (ANEV)

09:30 a.m.

Technical aspects for the optimization of electrical production Luigi Boffa and Salvatore Grasso (IVPC Service)

10:30 am

Condition Monitoring System. Lubricant Monitoring by Chemical Analysis for Sustainable Monitoring Manlio Astolfi (Klüber Lubrication Italia)

11:30 a.m.

Advanced SCADA data analysis methods Marco Damiani (DNV)  
Digital services for plant management Flavio Castiglione (DNV)  
Use and benefits of independent inspections Cosimo Liuzzi (DNV)

1:15 pm

Lunch break

2:00 p.m.

Differences and bankability of different types of O&M contracts. Fabio Lenzini (DLA Piper)

15:00 hours.

Management of maintenance contracts. Francesco Onorato (ERG)

4:00 p.m.

Performance analysis, operation and optimization of wind farm maintenance.  
Francesco Onorato (ERG)

5:00 p.m.

Safety in a Wind Farm. The perception of Safety. The specific risks. The characteristic elements of a management system. Marco Roverato (Cubico Sustainable Investments)

6:00 p.m.

Closing remarks

Translated with [www.DeepL.com/Translator](http://www.DeepL.com/Translator) (free version)

WEDNESDAY 9  
NOVEMBER

09:30 -  
10:30

Agorà Efficiency  
Pav. B6

**Energy  
Efficiency**

*Key Energy and  
Ecomondo Event*  
[Click here](#)

## Data and processes for assessing impact throughout the life cycle of buildings

Language: Italian

### **Organized by: Green Building Council Italia**

Whole life-cycle impact assessment is increasingly referred to in new regulatory measures. The new Level(S) reporting scheme, promoted by the European Commission's DG Environment, represents the European approach on assessing the environmental impact of buildings over their life cycle, and is able to integrate the concepts of circularity in construction and LCA methodology within the framework policies for environmental sustainability. The new Decree on Minimum Environmental Criteria in Construction of June 23, 2022, introduces LCA and LCC analysis as rewarding criteria. In the face of the strong regulatory dynamism and the proliferation of standards of different nature and level, the key to ensuring veracity and reliability of the studies carried out and to raise awareness of these issues among consumers and practitioners is to identify unambiguous methodologies, standards and references.

### **Moderation**

Marco Caffi, Green Building Council Italy

### **Program**

Measuring impact throughout the life cycle

Jacopo Andreotti - Polytechnic University of Turin

The Arcadia national data platform for LCA assessment

Marilisa Cellurale - ENEA, construction sector contact person ARCADIA platform

The role of third party certifications

Fabrizio Capaccioli - AD ASACERT

### **Discussion and closing remarks**

WEDNESDAY 9

NOVEMBER

09:30 -

11:00

Tulipano Room

Pav. B6

**Energy  
transition**

Key Energy Event

[Click here](#)

## District heating from renewables and community thermal energy: how to enhance local resources and territories

Language: Italian

### **Organized by: IFEC, Ambiente Italia**

District heating systems powered by renewable resources (solar thermal, biomass, geothermal and waste heat) are efficient, sustainable and resilient systems of heat production, distribution and consumption and are currently among the most effective and economically viable intervention options for reducing fossil fuel consumption and decarbonizing thermal uses in urbanized and non-urbanized areas. The topic appears even more interesting in light of the latest regulatory developments on Renewable Energy Communities, which, however, currently seem to neglect the instead relevant role of thermal energy, focusing exclusively on electricity generation and sharing. The objective of this workshop is to analyze the potential of district heating and cooling in relation to community energy and direct consumer involvement, while also assessing current barriers to development through the presentation of a series of concrete Italian and foreign examples.

### **Session Chairs:**

WEC Italy

Ambiente Italy

PoliTo

Frederick II

### **Program**

9.30 - 9.45

Chair, Paolo D'Ermo Secretary Genarle WEC Italy and Member of the IFEC Steering Committee

Introduction - Chiara Lazzari, senior project manager Ambiente Italia

9.45 - 10.45

Chair, Riccardo Battisti, Senior Project Manager Ambiente Italia

Community Energy and Thermal Networks: obstacles, potentials and organizational and management modalities

- Energy Communities: from electricity only to district heating, Simone Canteri, Acsm Group, Primiero

- Prospects for green district heating as a solution for decarbonizing the heating and cooling sector, Thomas Pauschinger, AGFW

- Crowdfunding and participatory models in the thermal sector, Chiara Candelise, GREEN - Bocconi

### **Questions & answers**

10.45 - 11.00

### **Closing**

Sergio Olivero, IFEC Scientific Committee Member and Head of Business&Finance Innovation, Energy Center PoliTO

WEDNESDAY 9

NOVEMBER

09:30 -

11:00

Mimosa Room  
Pav. B6**Energy  
transition***Key Energy Event*[Click here](#)

## Investors, finance and renewables

Language: Italian

### **Organized by: Althesys, Key Energy Scientific Technical Committee**

Expectations of strong growth induced by European climate-energy targets and growing profitability despite expensive materials are increasingly attracting investments in renewables and smart energy. Institutional investors, funds and banks, are increasingly focused on the sector, driven by both ESG criteria and risk-return profiles that are still competitive in the current macroeconomic environment. Securities markets, on the other hand, are appreciating core renewables stocks, with the IREX Index tracking small-mid caps in the sector listed on the Italian stock exchange, which has largely beaten other equity indices.

Against this backdrop, the workshop aims to provide an overview of the vision and role of financial investors in renewables and smart energy infrastructure, storage first and foremost. Drivers of value creation, business models, and future trends are some of the main topics at the center of the debate among the leading players in finance who will speak at the event.

### **Session Chairs**

Alessandro Marangoni, Althesys

Gianni Silvestrini, Kyoto Club

### **Program**

#### **Introduction**

Gianni Silvestrini, Kyoto Club

The energy transition and the role of financial investors

Alessandro Marangoni, Althesys

Sustainable finance and impact investing

Giovanna Melandri, Social Impact Agenda

Innovation, sustainability and finance in the vision of the European Commission

Francesco Matteucci, EISMEA - European Innovation Council

Infrastructural funds and private equity accelerators for decarbonization

Coordinator: Alessandro Marangoni, Althesys

Valerio Capizzi, ING

Daniele Camponeschi, Green Arrow Capital

Aldo Giretti, Vespera Energy

Andrea Ghiselli, EF Solare Italia

Gianluca Boccanera, Nextenergy Capital

### **Conclusions**

WEDNESDAY 9  
NOVEMBER

09:30 -  
11:00

Neri 1 Room South  
Hall

[Click here](#)

Language: Italian

WEDNESDAY 9  
NOVEMBER

09:30 -  
11:00

Agorà Energy 1  
Pav. B7

**Solar and  
Storage**

Key Energy Event

[Click here](#)

## Interesting renewable news: Sun Belts and other innovative solutions

Language: Italian

### **Organized by: Italia Solare, Key Energy Scientific Technical Committee**

In recent months, partly as a result of Russian aggression against Ukraine, simplifications have been initiated for the installation of renewable plants. Among these, with Decree Law 17/2022, "solar belts" are of interest: areas, including agricultural areas, adjacent to centers of energy consumption for productive use, such as industrial plants. It will be sufficient to file a simple Dichiarazione asseverata di inizio lavori (DILA) with the municipality to install plants up to 1 MWp. Staying within the limit of 3 km from production areas, the power that can be installed with PAS increases to 20 MWp for agri-voltaic plants. The simplification has attracted much interest and the first projects have started.

### **President of Session**

Attilio Piattelli, Italia Solare

### **Moderator**

Erica Bianconi, EGE and SolareB2B editorial staff

### **Program**

Emilio Sani, Italia Solare  
Tommaso Barbetti, Elemens  
Mario Gamberale, Innovatec

### **Conclusion**

WEDNESDAY 9  
NOVEMBER

09:30 -  
11:00

Gardenia Room  
Pav. D7 East Hall

**Energy  
transition**

Key Energy Event  
[Click here](#)

## The employment effects of the review of community energy policies

Language: Italian

**Organized by: Coordinamento FREE**

During 2022, the Free Coordination has promoted the in-depth study of issues related to the ecological transition with particular reference to the positive spin-offs in terms of employment as well as analysis of the review of EU policies envisaged under the Fit for 55 package. The work carried out led to the drafting of a number of position papers that are being made available for debate and to the institutions. Each position paper has analyzed the existing situation, the possibilities for development and the critical issues that need to be overcome in order to achieve the goals we have set, with a view to providing a useful tool and key.

### Session Chair

Livio de Santoli, Free Coordination

#### 09.30 **Introduction and welcome**

09.45 - thematic section 1

*Renewables: creation of green jobs and employment factors*

10.00 - thematic section 2

*The reforms of the fit for 55 package*

10.15 - thematic section 3

*New targets for renewables and efficiency: red gets to 3*

10.30 - *Roundtable discussion* with representatives from the political world.

11.00 - **Conclusions**

WEDNESDAY 9  
NOVEMBER

09:45 -  
13:30

Agorà Energy 2  
Pav. D7

**Wind**

Key Energy Event  
[Click here](#)

## Offshore wind power in Italy



Language: Italian

**Organized by: ANEV**

Offshore wind is finally a reality also in Italy. 2022 was the year in which the first wind turbine was placed in the Mediterranean, off the coast of Taranto. The growth potential of wind power in Italy is still largely unexpressed, both on land and in the sea, and the maturity of this technology has made it competitive also from an economic point of view, it only needs a work of simplification that allows to exploit the full potential of the wind for the good of our planet. Recent experiments in the technological field have made it possible to develop the use of floating platforms for anchoring turbines in the open sea, which opens up a scenario for the development of wind technology even in contests where the depth and roughness of the seabed closed on initiative. installation. Parliament on the evolution of offshore technology and its development in Italy.

### **President of Session**

Simone Togni, President of ANEV

**Moderator:** Elena Comelli, Journalist

### **Program**

Daniele Novelli, Ministry of Ecological Transition\*

Mattia Cecchinato, WindEurope

Giulia Lo Bianco, Bayware

Francesco Balestrino, RWE Offshore Development Country Lead Italy

Salvatore Grasso, IVPC

Bartłomiej Z. Kolosowski Head of Section Offshore and Mid/Downstream, Southern Europe

Energy Systems, DNV

Ksenia Balanda, Marine Wind General Manager, Falck Renewables

Antonio Zingales, Corporate Development & Innovation Director SAET

Gianni Silvestrini, Scientific Director Kyoto Club

Stefano Ciafani, Legambiente President

### **Conclusions**

WEDNESDAY 9  
NOVEMBER

09:45 -  
13:30

Agorà Energy 2  
Pav. D7

**Wind**  
*Key Energy Event*  
[Click here](#)

## Offshore wind power in Italy - ENGLISH LANGUAGE VERSION



Language: English

**Organized by: ANEV**



Offshore wind is finally a reality also in Italy. 2022 was the year in which the first wind turbine was placed in the Mediterranean, off the coast of Taranto. The growth potential of wind power in Italy is still largely unexpressed, both on land and in the sea, and the maturity of this technology has made it competitive also from an economic point of view, it only needs a work of simplification that allows to exploit the full potential of the wind for the good of our planet. Recent experiments in the technological field have made it possible to develop the use of floating platforms for anchoring turbines in the open sea, which opens up a scenario for the development of wind technology even in contests where the depth and roughness of the seabed closed on initiative. installation. Parliament on the evolution of offshore technology and its development in Italy.

### **President of Session**

Simone Togni, President of ANEV

**Moderator:** Elena Comelli, Journalist

### **Program**

Daniele Novelli, Ministry of Ecological Transition\*

Marilena Barbaro, Ministry of Ecological Transition\*

Mattia Cecchinato, WindEurope

Giulia Lo Bianco, Bayware

Francesco Balestrino, RWE Offshore Development Country Lead Italy

Salvatore Grasso, MPC

Bartłomiej Z. Kolosowski Head of Section Offshore and Mid/Downstream, Southern Europe

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Ksenia Balanda, Marine Wind General Manager, Falck Renewables

Antonio Zingales, Corporate Development & Innovation Director SAET

Gianni Silvestrini, Scientific Director Kyoto Club

Stefano Ciafani, Legambiente President

### **Conclusions**

WEDNESDAY 9

NOVEMBER

10:00 -

13:00

Stand H2IT Pav.  
B7

**Hydrogen**

Key Energy Event

[Click here](#)

## H2Talk - "Hydrogen, ready to go. Italian projects": H2IT Report - Installation of fuel cells in residential and commercial settings

Language: Italian

### **Organized by: H2IT**

The hydrogen theme has now become mainstream in industry, in the world of research, and at the institutional level: which players have already launched concrete projects? The appointments will present several ongoing Italian initiatives, in order to fully understand the commitment of companies and entities in developing concrete projects in the short term. Through the narrative of companies and territorial entities, the sectors most involved, the opportunities encountered in the implementation of hydrogen technologies and what difficulties will be illustrated.

### **Program**

*Organized by Dr. Alberto Zinno, Technical Area Manager - Stress*

Dario Rudellin, Business Developer sector Energy & Power Conversion, DANFOSS SRL  
 Luca Giacomelli, Italy sales director, ERREDUE SPA  
 Alessia Borgogna, Process Engineer, NEXTCHEM SPA  
 Valerio Corradetti, R&D Engineer, ENERECO  
 Matteo Callegaro, Energy Division - Adriatic Business Unit Manager Separation, ALFA LAVAL  
 Domenico Macrì, R&D Engineer, TECHFEM SPA

WEDNESDAY 9

NOVEMBER

10:00 -

13:00

Smart Utility Hub

Area Pav. D7

[Click here](#)

## Talk - Water

Language: Italian

### **Organized by: Smart Utility Hub**

#### Innovation Investment Development Research

The world of utilities confronts each other at KeyEnergy in the space conceived by Energia Media according to a format consolidated over time within national and international events. A talk, networking and co-working area dedicated to the topics of innovation in Energy and Utility, organized in collaboration with leading innovative companies, utility companies, associations, PA and research organizations. An intense program of talks will be presented over the 4 days of the fair, with outstanding guests called upon to debate highly topical issues, discuss development models and plans, and present case histories and best practices. For the evolution of utilities, effective efficiency plans in public and private spheres, for the transformation of cities and territories into Smart City and Smart Land. A space set up for one-to-one meetings, designed to facilitate the meeting between operators, with a strong imprint oriented to communication and content dissemination.

### **Program**

#### **10:00- 11:30 a.m.**

*Integrated Water System and Digitization  
 Smart Grid, Smart Meter, Smart Platform*

#### **11:30 - 13:00 a.m.**

*Watergy: integrated water and energy management to reduce inefficiencies and lower costs*

### **Conclusions**

WEDNESDAY 9  
NOVEMBER

10:30 -  
11:30

Piazza della PA  
Pav. D7

[Click here](#)

## Energy Communities: smart solutions for environmental sustainability

Language: Italian

**Organized by: Ergo Wind Srl**

Speaker: Katia Belfiore, For Environment Srl

WEDNESDAY 9  
NOVEMBER

11:00 -  
12:30

Arena Encounters  
of Light (pav. D7)

**Sustainable City**  
*Key Energy Event*  
[Click here](#)

## Meetings of Light - Smart mobility and sustainable mobility

Language: Italian

**Organized by: AIDI - Italian Lighting Association**

Light Encounters returns to the Key Energy. Innovations and technologies are changing the way we perceive and use light in our cities. A scenario where it becomes essential to gain clarity with companies, utilities and designers, representatives of the public administration that throughout the Fair, in the Sustainable City area" in the six talks organized by AIDI (Italian Lighting Association) in collaboration with Key Energy will give us their opinion on the state of play and the future of an increasingly intelligent, interactive and sustainable light. Several topics will be covered: from the increasingly strategic and fundamental role of energy communities and renewable lighting and energy sources to the importance of nature centric lighting design and the opportunities offered by smart cities and smart mobility.

### Program

Moderator: Mariella Di Rao, journalist, Studio Communication & Image

Arianna Piva, urban architect, Metrogramma

Nicoletta Gozo, Lumière&Pell Project coordinator and SmartItaly Goal, ENEA

Filippo Giorgetti, mayor of the municipality of Bellaria - Igea Marina (RI)

Nadia Amitrano, project manager, business developer, electric public transport expert of Enel X

### Conclusion

WEDNESDAY 9  
NOVEMBER

11:30 -  
12:30

City Green Light  
Stand Pav. D7 Hall  
Est

[Click here](#)

## Workshop - Energy efficiency: solutions serving CERs and management of public and private buildings

Language: Italian

**Organized by: City Green Light**

**Program:**

Paolo Zangheri, ENEA Researcher

Corrado Clini, former minister of the environment

Michelangelo Lamaddalena, Sales Manager Smart Services City Green Light

Marco Sorchetti, CTO Sidora

**Moderator:** Alberto Scalchi

WEDNESDAY 9  
NOVEMBER

11:30 -  
13:00

Tulipano Room  
Pav. B6

**Energy  
transition**

*Key Energy Event*

[Click here](#)

## Climate Change Perspectives: the path of China

Language: English

**Organized by: Kyoto Club, Key Energy Scientific Technical Committee**

2050 is just 28 years from now, which means it's close enough that one can figure it out, but it's also far enough away that one cannot tell what it is going to be like. How will the global economic order change by 2050? How will humanity manage and control climate change, or adapt to it without tragic self-destruction? A year ago, at COP26 in Glasgow, China and the United States signed a joint declaration to strengthen climate cooperation and respect the limits set by the Paris Agreement over the next decade. The initiative was announced by the Chinese special envoy for the climate, Xie Zhenhua, and by the American counterpart, John Kerry. As superpowers, China and the United States have international responsibilities and obligations according to which the two countries must "think big" and actively coordinate their environmental actions. In the statement, the parties reaffirmed their commitment to "keep the global average temperature rise well below 2 degrees Celsius, continuing efforts to limit it to 1.5 degrees." The two powers also announced new, common goals: Beijing and Washington will implement national action plans to reduce methane emissions, promote renewable technologies and set up a working group that will meet regularly "to advance the multilateral process". What is China doing to achieve this? Is it realistic? And above all, can climate really represent a priority for China, or be placed in a second position with respect to other emergencies on economic conditions? China is showing enormous attention to the pandemic, with tight control of the virus. Will this attention be applied equally to comply with measures against climate change? Nevertheless, Europe, who is facing an energy transition never been so challenging, still needs to answer many questions. What could be the EU role in this dialogue? Can the EU still be the "normative power" it has been for decades?

**Programma**

**Opening**

Roberto Pagani, former Science and Technology Counsellor, Consulate General of Italy, Shanghai

*Session in English***Prologue:** how international energy transition is challenging?

Zha Daojiong, Peking University, PRC (video)

Flora Kan, Team Leader EU-China Energy Cooperation Platform

*Sessione in Italiano***Dialogo**

Alberto Bradanini, già Ambasciatore della Repubblica Italiana nella Repubblica Popolare Cinese

Giorgio Prodi, Dipartimento di Economia e Management, Università di Ferrara

**Moderatore:** Roberto Pagani**Conclusione**

Catia Bastioli, Presidente Kyoto Club, AD Novamont

Gianni Silvestrini, Direttore Scientifico Kyoto Club

WEDNESDAY 9  
NOVEMBER11:30 -  
13:00Gardenia Room  
Pav. D7 East Hall**Energy  
transition***Key Energy Event*[Click here](#)

## Cogeneration: efficient solution in the present for a greener future

Language: Italian

**Organized by: Italcogen**

The ongoing energy transition and ambitious European targets for decarbonization of the economy and independence from Russian fossil imports require that all available solutions be pragmatically implemented. Energy security is also achieved through energy efficiency, which seems to have taken a back seat on political agendas. Cogeneration is the most efficient and immediately available technology for many applications, yet the delicate economic and regulatory situation (national and European) now requires special attention so that its potential can continue to be exploited with an eye to the fuels of today and tomorrow. Italcogen - the Italian Association of Cogeneration Plant Manufacturers and Distributors, offers an opportunity for institutions and stakeholders to compare and discuss in order to contribute to the achievement of the set goals.

## Session Chairs

Marco Golinelli - President Italcogen

## Session Coordinator

Marco Manchisi - Italcogen Study Center Coordinator

## Chairman and Moderator of the Conference

Antonio Cianciullo - Journalist, Writer, Expert on energy and environmental issues

**Program**

Introduction and greetings

The potential of cogeneration - Italcogen President

Claudia Canevari\* - Head of the Unit Energy Efficiency, DG ENERGY, EU Commission

Marco Pezzaglia - President Cogen Europe

Alessandro Caretoni - Head of Energy Efficiency Division, MITE

Luca Barberis - Director, Energy Efficiency Support Department, GSE

### **Roundtable coordinated by Italcogen:**

Claudia Vivalda - CTNE Director National Technology Cluster Energy

Alessandro Bertoglio - DG Assocarta

Graziano Marcovecchio - VP Assovetro

TBD - Confindustria Ceramica

Vittorio Cossarini - President Assoesco

### **Conclusions**

WEDNESDAY 9  
NOVEMBER

11:30 -  
13:00

Agorà Efficiency  
Pav. B6

**Electric Mobility**  
Key Energy Event  
[Click here](#)

## Zero Emission Truck and the Freight Electrification Roadmap

Language: Italian

### **Organized by: Motus-E, Kyoto Club**

Kyoto Club presents the results of the Zero Emissions Truck Project on the pathways to decarbonization of road freight transport together with Motus-E, which presents the results of the Roadmap to 2030 for the electrification of light and heavy road freight transport carried out together with the Association's members. The goal of the Roadmap is to identify a penetration of electrification of freight transport, for each market segment and type of applications, considering supporting measures and necessary charging infrastructure. Dialogue with municipalities, ANCI and energy distributors is an indispensable lever for the realization of such scenarios.

### **Session chairman**

Francesco Naso, secretary general of Motus-E

### **Program**

Presentation of roadmap results with:

Anna Donati, Kyoto Club ZET presentation

Andrea Boraschi, T&E today's European context

Clio Ceccotti, Motus-E anticipations roadmap 2030 Italy

Massimo Marciani, FLC anticipations roadmap 2030 Italy

Panel with:

Andrea Bardi, Director, Transportation and Logistics Institute, Emilia Romagna Region  
 Eng. Luca Bellinato, head of U.I. Systems for mobility  
 Roberta Frisoni, Councillor of the Municipality of Rimini (Delegations Urban and Territorial Planning, Private Construction, Urban Regeneration, Mobility Policies, Local Public Transport, State Property, PNRR)  
 Mattia Sica, Utilitalia

## Conclusions

WEDNESDAY 9  
 NOVEMBER

11:30 -  
 13:30

Mimosa Room  
 Pav. B6

**Sustainable City**  
 Key Energy Event  
[Click here](#)

## Citizen Science: engaging citizens in the sustainable transition of Cities

Language: Italian

### Organized by: Key Energy Scientific Technical Committee

It is becoming increasingly clear that without the active involvement of the citizenry, sustainability goals at the urban level are not achievable. In recent years, many research and innovation initiatives have emerged that directly involve ordinary citizens in their experimentation and implementation. These projects refer precisely to Citizen Science, a science that is becoming increasingly popular also thanks to the use of digital technologies. The event aims to present and discuss concrete examples of Citizen Science and how these can be transformed into business opportunities for companies and smart innovation for PAs. Application cases related, for example, to air quality will be discussed, as well as how these methodologies will also be an important element in European Commission programs.

### Session Chair

Gian Marco Revel, Marche Polytechnic University, CTS, Sustainable City Scientific Officer

### Program

Beatriz Ortega, EUROPEAN CITIZEN SCIENCE ASSOCIATION

### Speakers:

Roberta Frisoni, ANCI, Rimini City

Carlo Alberto Nucci, National Delegate Mission 100 climate-neutral Cities

Benedetta Squittieri, City Councillor, City of Prato

David Duccini, Chief Executive Officer Origins.earth - Continuous measurement of co2 emissions to guide the transition to climate neutrality in urban areas

Danila Longo, University of Bologna

Antonio De Leonibus, Contract Manager Area Centro B2G Edison NEXT

### Conclusions

Simona Bonafè, TBD\*

WEDNESDAY 9  
NOVEMBER

11:30 -  
13:30

Agorà Energy 1  
Pav. B7

**Solar and  
Storage**

Key Energy Event  
[Click here](#)

## The new frontier of agri-voltaic systems

Language: Italian

**Organized by: ANIE, ENEA, ETA Florence**

Energy policy needs acceleration in PV development; although all usable rooftops of existing and new buildings and all industrial, commercial and artisanal areas should be exploited to the fullest extent possible, portions of agricultural areas will also have to be identified in order to meet the 2030 targets. There are already degraded agricultural areas on the national territory, such as those in quarries, or unproductive agricultural areas or unused agricultural areas. Today with agri-voltaic systems we have the opportunity to recover these areas, a system in which agricultural activity and that of electricity production merge, preserving the agricultural vocation of the land. The energy transition pushes us more and more to combine the activities of historical sectors with those of modern sectors, and the agrivoltaic system is the element of modernization of the land and a tool for the transformation of the agrarian landscape.

### **Moderator:**

Giulio Meneghello, Editor-in-Chief QualEnergia.it

### **Program**

11.30

Introduction and welcome

Michelangelo Lafronza Secretary ANIE Renewables  
Photovoltaic technology to support agriculture

Giulio Poggiaroni, Project Manager ETA Florence Renewable Energies  
Introduction to the Italian Sustainable Agrivoltaic Network

Giorgio Graditi, Director of ENEA Renewable Energy Technologies Department  
ENEA activities on Sustainable Agrivoltaics

Presentation of the regulatory framework:

11.40

Barbara Clementi, General Directorate for Energy Supply Efficiency and Competitiveness MiTE

11.50

Alessandra Pesce, CREA Research Manager

12.00

Massimiliano Atelli, Chairman of the PNRR PNIEC Technical Commission for Renewable Energy EIA

Roundtables:



12.10

Investment Opportunities.

Francesco Castagna, Direttore ANEPLA

Gianluca Cipolletta, Delegato ANIE Rinnovabili - Head of Development and JDA Italy Falck Renewable

Ilaria D'Amico, Delegato ANIE Rinnovabili - Senior Project Manager e Responsabile Relazioni Associative Infralab

Alberto Mazzoni, Vice Presidente della Fnp Bioeconomia CONFAGRICOLTURA

Francesco Ciancaleoni, Environment and Territory Area - energy sector of Coldiretti

12.40 Q&amp;A

12.45

Landscape issues

Mariangela Lancellotta, Fondatrice Le Greenhouse

Barbara Paulangelo, Partner e direttore tecnico REA Advisors

Alessandra Scognamiglio, Coordinatrice Task Force ENEA Agrivoltaico Sostenibile

Fabiano Spano, Co-fondatore Studio Alami

13.25

Q&amp;A

13.30

**Closing Event**WEDNESDAY 9  
NOVEMBER12:00 -  
13:00Piazza della PA  
Pav. D7**Energy  
transition***Key Energy Event***[Click here](#)**

## The presentation of the 1st Sustainability Report. Minerva takes stock!

Language: Italian

**Organized by: Minerva Ambiente**

Minerva's 'first time'. The Colleferro-based municipal utility of the Sacco Valley presents its first Sustainability Report: an opportunity to analyze the economic, environmental and social efficiency of the consortium company born in 2019. And measure its effects on the territory and Local Communities.

**Program**

Introduces and coordinates

MASSIMILIANO MASSIMI - General Manager Minerva

Speakers:

DANIELE FORTINI - President RetiAmbiente - former President LazioAmbiente

GIULIO CALAMITA - Deputy Mayor of the Municipality of Colleferro

ALESSIO CIACCI - Sole director Minerva

FABRIZIO VIGNI - Greening Marketing

**Conclusions**

WEDNESDAY 9

NOVEMBER

14:00 -

15:00

Gardenia Room  
Pav. D7 East Hall**Wind***Wind Session*[Click here](#)

# The potential of energy communities in Italy

Language: Italian

## Organized by: Leitwind

Following the international conference in Paris "COP21", the European Union with the Directive 2018/2001 "Red 2", implemented in Italy by Legislative Decree 199/2021, adopted policies aimed at giving an increasingly central role to the figure of the prosumer (producer and consumer) individually or within renewable energy communities, the CERs.

The Politecnico di Milano estimates that 40,000 CERs will be installed in Italy by 2025, involving 1.2 million consumers, 20,000 offices and 10,000 SMEs.

With the introduction of Energy Communities in Italy, LEITWIND, the only Italian producer of megawatt class installations suitable for powering Energy Communities, firmly believes in the potential of wind power applied to CERs and therefore intends to clarify this:

- The values and benefits of establishing CERs
- The requirements and conditions necessary for the creation of a CER
- The complementarity of wind and photovoltaics as resources to energise CERs

## Program

14:00 - 14.05

Greetings

14:05 - 14.45

Speakers

2:05 p.m. - 2:15 p.m.

Simone Benassi - Head of Energy Communities Italy

"Enel X - The Potential of Energy Communities for the B2B and B2G sphere"

2:15 p.m. - 2:25 p.m.

Fulvio Scia - Business Development Manager -Environmental

"The necessary steps for the development of an ERC"

2:25 p.m. - 2:35 p.m.

Davide Albani - Head of Business Unit Leitwind

"Leitwind - The advantages of wind technology applied to CERs"

2:35 - 2:45 p.m.

Maria Teresa Imparato - President of Legambiente Campania

"Legambiente - Renewable and supportive energy communities for the right energy transition"

14.45 - 15.00

## Questions and Conclusions

WEDNESDAY 9  
NOVEMBER

14:00 -  
17:30

Smart Utility Hub  
Area Pav. D7  
[Click here](#)

## Talk - Energy Efficiency, Energy Community

Language: Italian

### Organized by: Smart Utility Hub

#### Innovation Investment Development Research

The world of utilities confronts each other at KeyEnergy in the space conceived by Energia Media according to a format consolidated over time within national and international events. A talk, networking and co-working area dedicated to the topics of innovation in Energy and Utility, organized in collaboration with leading innovative companies, utility companies, associations, PA and research organizations. An intense program of talks will be presented over the 4 days of the fair, with outstanding guests called upon to debate highly topical issues, discuss development models and plans, and present case histories and best practices. For the evolution of utilities, effective efficiency plans in public and private spheres, for the transformation of cities and territories into Smart City and Smart Land. A space set up for one-to-one meetings, designed to facilitate the meeting between operators, with a strong imprint oriented to communication and content dissemination.

### Program

#### **2:00 - 3:00 p.m.**

*Confservizi Cispel Lombardy*

*Lombardy Utility system institutional meeting*

#### **3:00-5:00 p.m.**

*Energy Efficiency. Energy Management System skills, synergies and tools.*

*An increasingly virtuous relationship between Utilities, PA, ESCos and technology providers*

*Focus. Renewable Energy Communities drivers of development from a Smart District perspective.*

#### **5:00 - 5:30 p.m. / Radio episode recording Servizi&Società Confservizi Cispel Lombardia**

*Talk Protocol Confservizi Utility Northern Italy: Lombardy - Liguria - Piedmont/Val D'Aosta - Veneto*

### Conclusions

WEDNESDAY 9  
NOVEMBER

14:30 -  
15:30

Piazza della PA  
Pav. D7

**Energy  
transition**

*Key Energy Event*  
[Click here](#)

## Solar communities and the new corporate welfare

Language: Italian

**Organized by: Tecnopolo Rimini**

The aim of the event is to realize Energy Communities among Enterprises in order to transform industrial areas into large power plants for renewable energy production, to reduce the energy costs of enterprises and to power the territory through the Solar Community technology platform for collective self-consumption. They will discuss the strategic and regulatory context in which inter-enterprise energy communities are framed, the economic benefits and securing of enterprises from an energy point of view, the solar community technology platform for collective self-consumption, and how industrial areas can be transformed into power plants for renewable energy production for the territory, case studies from 2010, and how the integration of inter-enterprise energy communities with the solar community platform is a huge opportunity in the area of Corporate Social Responsibility.

### Program

Moderator: Lorenzo Succi, Manager Tecnopolo di Rimini

Speakers:

Leonardo Setti, Ciri FRAME Tecnopolo of Rimini

Luigi di Marco, ASvis Italian Alliance for Sustainable Development

Company testimonials

### Conclusion

WEDNESDAY 9  
NOVEMBER

14:30 -  
16:00

Tulipano Room  
Pav. B6

**Energy  
transition**

*Key Energy Event*  
[Click here](#)

The electricity sector of the future. Renewables, energy crisis and innovation draw the market to 2030



Language: Italian

**Organized by: Althesys**

Geopolitical upheavals, decarbonization goals and technological break-throughs are the key elements driving a radical and rapid rethinking of Italy's electricity market structure. Renewables are strategic for supply security as well as for reducing environmental impacts, but by what means can they be developed faster? What should be the structure and operation of the electricity market? On the one hand, the role of forward markets will have to evolve to cope with the criticality of spot markets. On the other, new models of production and consumption, such as energy communities and new players such as aggregators, will have to grow, as will PPAs, to encourage investment in renewables. In this evolving framework, storage and digitalization will play a key role in the adequacy of the electricity system. But what will be the system costs and prices for consumers? These are the crucial questions to be answered to design an effective national energy strategy with the new PNIEC. Some of the industry's leading operators and stakeholders will discuss during the workshop to try to provide some answers and sketch a new vision of the Italian electricity market projected toward the green transition.

### **Session Chair**

Alessandro Marangoni, Althesys

### **Program**

Global energy scenarios and strategies for decarbonization

Alessandro Marangoni, Althesys

The Italian electricity sector towards 2030

Agostino Re Rebaudengo, Future Electricity

What role for wind power in Italy?

Simone Togni, ANEV

Key technological innovation for the transition

Maurizio Delfanti, RSE

The role of Europe to promote innovation

Francesco Matteucci, EISMEA - European Innovation Council

Renewables and the electricity market, what design for the future?

Moderator: Alessandro Marangoni, Althesys

Luca Bragoli, ERG

Andrea Ghiselli, EF Solare

Roberto Pasqua, EDP Renewables

Luca Solfaroli Camillocci, Enel Green Power

Infrastructure and storage enablers of the transition

Moderator: Gianni Silvestrini, Kyoto Club

Fabio Bulgarelli, Terna

G. B. Zorzoli, AIEE

A. D'Agostino, Edison

Massimo Ricci, Arera

### **Conclusions**

WEDNESDAY 9  
NOVEMBER

14:30 -  
17:30

Agorà Energy 1  
Pav. B7

**Hydrogen**  
Key Energy Event  
[Click here](#)

## The hydrogen challenge: what opportunities for the Italian industrial supply chain and what initiatives are promoted by the country's energy strategy

Language: Italian

**Organized by: H2IT, ENEA, ANIE**

Overcoming the decarbonization challenges of the coming years involves taking measures in all areas of the energy system. Hydrogen has gained prominence as a vector for the decarbonization of various sectors, gaining more and more weight in the country's energy strategies. In order for it to become a key element in the energy transition, integrated development of utilization sectors and the entire supply chain representing technologies for hydrogen production, storage and distribution is needed. To achieve the goals set, technological development will inevitably have to be accompanied by a medium- and long-term system strategy and the creation of an enabling regulatory framework. The ANIE and H2IT Associations together with ENEA bring institutions, industry players and the research world to the table to take stock of the development of the sector in Italy.

### Program

14.30

Institutional Greetings by Michelangelo Lafronza, Secretary ANIE Rinnovabili and Alberto Dossi, President H2IT

14.40

Giorgio Graditi, Director Dept. of Energy Technologies and Renewable Sources ENEA  
Presentation of Guidelines and national initiatives

14.50

Luigi Crema, Vice President H2IT  
How the hydrogen supply chain is structured at the national level

15.00

Luigi Mazzocchi, Director of the RSE Generation Technologies and Materials Department  
ANIE-RSE Power to Gas Report Presentation

Roundtables:

15.10

Investments on major projects and competitiveness of the Italian hydrogen supply chain

Moderator: Stefano Campanari, Professor of Energy and Environmental Systems - Department of Energy and Hydrogen JRP - Politecnico di Milano

Valter Alessandria, Business Development Director ALSTOM Italy  
Luca Rofi, Hydrogen Product Line Manager Ansaldo GreenTech  
Enrico Bigi, Head of Partnership & Special Projects Fincantieri  
IMECO (tbd)

Massimo Poli, Country Manager Italy Smartenergy Italy  
Michela Capoccia, Regulatory and Innovation Manager Gas Renewables SAPIO

16.00 Q&A

16.05 The supply chain and potential supply chain of the hydrogen sector in Italy

Moderator: Antonino Aricò, ITAE Director, Institute of Advanced Technologies for Energy - CNR

Maurizia Bagnato Sales and Innovation Director Bosch Italy  
 Pietro Mandurino, Co-Founder & Senior R&D Scientist Arco FC  
 Gabriele Orsucci, Managing Director Spesso Gaskets  
 Maurizio Stucchi, Head of Industry Friem  
 Daniele Verardo, General Manager CTS h2

16.55

Q&A

17.00

**Conclusions and closing remarks by ENEA**

WEDNESDAY 9  
 NOVEMBER

15:00 -  
 18:00

Neri 1 Room South  
 Hall

[Click here](#)

Language: Italian

WEDNESDAY 9  
 NOVEMBER

15:00 -  
 18:00

Agorà Efficiency  
 Pav. B6

**Energy  
 Efficiency**  
 Key Energy Event  
[Click here](#)

White certificates: what's new

Language: Italian

**Organized by: FIRE**

The traditional event organized by FIRE in collaboration with KeyEnergy will illustrate the results achieved, the tools activated by the GSE to support operators and new features, with a view to encouraging participation in the scheme by operators. The conference is aimed at organizations from the industry, service sector, agriculture, and transportation sectors. The main target groups are ESCOs, energy service companies, companies that produce technologies in the field of energy efficiency, organizations with energy managers, and electricity and natural gas distributors.

**President of Session**

Dario Di Santo, FIRE

**Program**

15.00

Introduction and greetings, Dario Di Santo, FIRE

15.10

The revision of the energy efficiency directive, Livio De Chicchis, FIRE

15.30

The rules on tariff contribution and the performance of the TEE market, Marco De Min, ARERA

15.50

TEE: status and operational guides, Marco Mancini, GSE

16.30

Space for discussion

17.00

**Closing remarks**WEDNESDAY 9  
NOVEMBER15:30 -  
17:00Gardenia Room  
Pav. D7 East Hall  
[Click here](#)

## 1, 2, 3...H2GO! The Hydrogen Chain At The Service Of Cities

Language: Italian

### **Organized by: RENAEL - Rete Nazionale Agenzie Energetiche Locali**

The conference aims to provide an overview of the hydrogen value chain serving cities. Starting from the production of energy from renewables, some concrete projects of hydrogen generation through electrolyzers, infrastructure projects for the realization of hydrogen distributors, and finally the presentation of an innovative electric vehicle with more than 400km autonomy for waste collection and urban green management will be analyzed. Through the presentation of these experiences, participants will be able to approach the world of hydrogen by better understanding the opportunities and challenges that need to be addressed in order to be ready to include hydrogen among the tools for the transition to a greener urban ecosystem.

### **Program**

15.30

INTRODUCTION

Benedetta Brighenti, RENAEL Director

15.40-16.00

PRODUCTION

ELECTROLYZERS, ENERGY PARK: an increasingly real possibility to produce green hydrogen locally?

Enrico Piraccini, Head of Ecological Transition &amp; Innovation Management - HERA Group

Enrico Rocchetti, Business Unit Manager - LOCCIONI

16.00-16.20

INFRASTRUCTURE

Hydrogen refueling stations: what prospects and what risks? The experience of Bolzano and Venice.

Luigi Lugaro, Chief Technology Officer - SASA

Massimo Prastaro, Head of Retail Innovation and Alternative Fuels - ENI



16.20-16.40

#### SERVICES

The experience of the H2GO project, a range extender for electric commercial vehicles

Lisa Sentimenti and Francesco Guaraldi, AESS

Lamberto Salvan, Head Business Development & International Projects - ALKE

Angelo Danzi, CEO - ARCO-FC

#### Conclusions

At the end of the conference visit to the Alkè stand hosting H2GO vehicle and aperitif of greetings

For information: Francesco Guaraldi cell - 340 1507907; mail - fguaraldi@aess-modena.it

WEDNESDAY 9  
NOVEMBER

15:30 -

18:00

Mimosa Room  
Pav. B6

**Energy  
transition**

*Key Energy and  
Ecomondo Event*

[Click here](#)

## Pitch session with EU funded projects with sustainable solutions - ITALIAN LANGUAGE VERSION

Language: Italian

#### **Organized by: European Commission, Ecomondo Scientific Technical Committee, Key Energy Scientific Technical Committee**

The pitch session builds up on the framework that composes the Pillar III of Horizon Europe, the EU's key funding programme for research and innovation. Pillar III focusses on supporting the development of disruptive and market-creating innovations and on enhancing European innovation ecosystems. The pitch session model echoes this strategic approach and gives the selected beneficiaries the opportunity to present their ideas in front of an expert jury and interested audience.

The companies will pitch their research and business ideas to selected experts and investors coming from the private sector. A feedback session by jury that is composed of selected experts will follow with the purpose of highlighting the added-value of the proposed solutions from a technological and business perspective. The idea is to bring scientists, managers and entrepreneurs together to discover new innovative companies in the field of green technologies. The ECOMONDO audience is also invited to join the discussion and to bring in their input.

#### **President of Session**

Francesco Matteucci

#### **Programme**

- CINEA, REA and EISMEA, three Executive Agencies of the European Commission, will invite to pitch funded SMEs and projects working on energy- and environmental-related topics and renowned investors and experts as jury members.
- Each SME will pitch for 5 minutes.
- 10 minutes will be dedicated for feedback and discussion given by a jury composed of experts, investors and audience.

WEDNESDAY 9  
NOVEMBER

15:30 -  
18:00

Mimosa Room  
Pav. B6

**Energy  
transition**

*Key Energy and  
Ecomondo Event*

[Click here](#)

## Pitch session with EU funded projects with sustainable solutions

Language: English

**Organized by: European Commission, Ecomondo Scientific Technical Committee, Key Energy Scientific Technical Committee**

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- Each SME will pitch for 5 minutes.
- 10 minutes will be dedicated for feedback and discussion given by a jury composed of experts, investors and audience.

WEDNESDAY 9  
NOVEMBER

15:30 -  
18:00

Agorà Energy 2  
Pav. D7

**Wind**

*Key Energy Event*

[Click here](#)

## Simplification for new projects and refurbishments in the wind power sector

Language: Italian

**Organized by: ANEV**

Simplify the authorization process, review the national guidelines for wind turbines, set up a control room at the Presidency of the Council of Ministers, provide support and support mechanisms for the sector, establish specific tools for the development of the Power Purchase Agreement, with the aim of making the wind sector a powerful economic, industrial and cultural response to the energy crisis and the necessary process of decarbonisation of the economy. These are the issues that we will address with important exponents of the energy sector.

### Session Chair

Simone Togni, President of ANEV

Moderator: Michele Guerriero, Director of Energy Beyond

### Program

Vannia Gava, Deputy Minister of Environment and Energy Security\*

Nicola Procaccini, Member of the European Parliament\*

Massimiliano Atelli, EIA Commission

Fabio Bulgarelli, Terna Regulatory Affairs Director

Andrea Galliani, ARERA

Luca Bragoli, ERG Vice President ANEV

Giampiero Goretti, Head of Energy Transition Regulatory Engie Italia

Oreste Vigorito, President Confindustria Benevento - President IVPC Group

The point of view of the Regions:

Roberta Lombardi, Councillor for Ecological Transition Lazio Region

Simona Brancaccio, DG Environmental Assessments Campania Region

### Conclusions

***To follow ceremony ANEV Journalistic Award "Giuseppe Pasqualicchio - Energia Del Vento 2022"***

WEDNESDAY 9  
NOVEMBER

16:00 -  
17:00

Piazza della PA  
Pav. D7

**Solar and  
Storage**

*Key Energy Event*

**[Click here](#)**

Presentation of AIAS - Italian Sustainable Agrivoltaic Association

Language: Italian

**Organized by: AIAS – Associazione Italiana Agrivoltaico Sostenibile**

*In update\**

WEDNESDAY 9  
NOVEMBER

16:00 -  
17:30

Arena Encounters  
of Light (pav. D7)

**Sustainable City**  
Key Energy Event  
[Click here](#)

## Meetings of Light - Renewable energies and lighting: critical issues and opportunities

Language: Italian

**Organized by: AIDI - Italian Lighting Association**

Light Encounters returns to the Key Energy. Innovations and technologies are changing the way we perceive and use light in our cities. A scenario where it becomes essential to gain clarity with companies, utilities and designers, representatives of the public administration that throughout the Fair, in the Sustainable City area" in the six talks organized by AIDI (Italian Lighting Association) in collaboration with Key Energy will give us their opinion on the state of play and the future of an increasingly intelligent, interactive and sustainable light. Several topics will be covered: from the increasingly strategic and fundamental role of energy communities and renewable lighting and energy sources to the importance of nature centric lighting design and the opportunities offered by smart cities and smart mobility.

### Program

Moderator: Mariella Di Rao, journalist, Studio Communication & Image

Participants:

Andrea Bernardini, commercial director Signify Italia

Alessandro Sartarelli, general manager, Solerzia srl

Margherita De Nicola, operations manager Area Centro B2G, Edison Next

Cesarino Romani, promoter of the Rimini wind farm

Alessandro Uguccioni, councillor for Public Works, Environment and Sustainability, Municipality of Cattolica (RN)

### Conclusion

WEDNESDAY 9  
NOVEMBER

16:30 -  
18:00

Tulipano Room  
Pav. B6

**Energy  
transition**  
Key Energy Event  
[Click here](#)

## Renewables and efficiency to reduce high utility bills in agri-food industry

Language: Italian

**Organized by: Key Energy Scientific Technical Committee, with the  
collaboration of Federalimentare**

[Participation in the event will entitle to the recognition of  
of no. 1 training credit for members of the Food Technologists' Register](#)

The high cost of energy continues to affect the agribusiness sector, which until now has managed to absorb price increases due to the rise in raw materials, without significantly passing them on to the final price and thus to the consumer. Production costs borne by businesses continue to rise along with the price of energy, and the situation threatens not only the competitiveness of the sector but the very existence of many business activities. Starting with the data of energy consumption in the sector and with the presentation of entrepreneurial cases of enterprises in the sector, possible solutions for energy efficiency related to cogeneration in the agribusiness industry that aim at cost savings will be illustrated; new economic opportunities arising from new PPA contracts for the purchase of renewable energy and new investment funds will also be described.

**Moderator:** Maurizio Notarfonso, Federalimentare

### Program

h 16:30

Opening session

Energy efficiency in the agri-food sector - Eng. Luigi Leto (ENEA)

h 16:50 -17.20 Round table.

"The point of view of the agri-food industry"

Francesco Vacondio – Molini Industriali

Rosa Prati - Caviro S.c.a.

Giovanni Sorlini - Inalca SpA

h 17:20 - 18:00 Round table.

"Opportunities arising from energy efficiency and renewable sources"

Photovoltaics - Attilio Piattelli (Vice President of the ITALIA SOLARE Association)

Cogeneration services - Alessandro Borin and Christian Manca (ITALCOGEN)

PPAs: long-term electricity supply contracts - Martina Nicodemo (RWE Supply & Trading)

h 18:00 Conclusions

**Cocktails at the end of the event, in the hall, reserved for the participants**

WEDNESDAY 9  
NOVEMBER

18:30 -

19:30

B6D6 Hall

Energy  
transition

Key Energy Event

[Click here](#)

## K.EY 23 Presentation - The Renewable Energy Expo

Language: Italian

It is with great pleasure that the KEY ENERGY team will officially present the new **K.EY, The Renewable Energy Expo**, which will take place March 22-24, 2023.

The CEO of Italian Exhibition Group, Corrado Arturo Peraboni, will be present and will explain the strategic lines, sectors and a preview of the new K.EY.

*A networking aperitif accompanied by DJ sets is planned after the presentation.*

# THURSDAY 10 NOVEMBER

THURSDAY 10  
NOVEMBER

09:00 -  
11:00

Gardenia Room  
Pav. D7 East Hall  
[Click here](#)

Climb aboard the Future: renewables and electrification go through ports and cities

Language: Italian

**Organized by: ENEL - Garbage Group**

*In update\**

THURSDAY 10  
NOVEMBER

09:00 -  
18:00

Orchidea Room  
1st floor Pav. D6

**Wind**  
Training course  
[Click here](#)

Training course: Asset Management

Language: Italian

**Organized by: ANEV**

The objectives of the course are:

- To acquire basic and specific information for carrying out professional activities in the wind power industry;
- To know the data transmission methods of wind farms;
- To be familiar with current regulations, with particular reference to the incentive system, authorization procedures that regulate the installation and operation of wind farms, including administrative requirements vs. competent bodies;
- Acquire knowledge of current regulations and the main aspects related to the issue of safety in wind farms;
- Acquire basic managerial skills for wind power management and development within companies in the sector;
- To know the main economic and financial aspects related to the design and management of a wind farm.
- Membership modalities: exhibiting companies will enjoy the discount provided for the Order of Engineers and other Associations.

## Program

09:15 am

Introduction Luciano Pirazzi (ANEV)

10:00 am.

Digital and Asset Management Flavio Castiglione (DNV)

11:00 am

From Scada to APM and back: the data journey, knowing the present to predict the future

Monitoring and control of wind farms. Stefano Doga (Hitachi Energy)

Asset Performance Management for wind power. Siddhanta Suryabanshi (Hitachi Energy)

12:00 p.m.

Safety in the Wind Farm: Risks and Synergies Francesco Meduri (GE Renewable Energy)

1:15 p.m.

Lunch Break

14:00 hours.

Project management. Andrea Di Cìò (Sea Tuscia spin-off University of Tuscia - VT)

15:00 hours.

Incentive mechanisms and exercise management. Luca Di Carlo (ANEV)

16:00 hours.

Financing and cost-effectiveness. Cosimo Lena (Baywa-re)

5:00 p.m.

Wind Asset Management - Fundamentals. Alessio Attioli (EDP)

6:00 p.m.

Closing remarks

THURSDAY 10  
NOVEMBER

09:30 -  
11:00

Tulipano Room  
Pav. B6

**Electric Mobility**  
Key Energy Event  
[Click here](#)

## The energy transition of collective mobility

Language: Italian

**Organized by: ASSTRA**

We live in times of great transformation, full of risks and opportunities, which impose important choices. The energy transition of the national production system, mobility and public transport is one of the great evolutionary trends that is crossing the country and seems to bring with it many technological, social and economic repercussions. ASSTRA arguing the inevitability of the energy transition process, considering the effects of pollution on the climate, and considering the environmental goals to be achieved intends to discuss the issues of the energy transition of collective mobility with its stakeholders from the energy world. During the roundtable discussion, the issues and opportunities of these times will be addressed and manifested in order to identify shared strategies, useful to govern the energy transition of the sector, at this time of expensive energy and scarcity of raw materials, combining it with the transportation objectives of companies, the mobility needs of citizens and the circulation of cities.

### Program

9.30-9.40 *Welcome Greetings*

Paolo Paolillo, Director TPER

9.40-10.00 *Opening remarks: State of the art and evolving trends in local public transport*

Emanuele Proia, ASSTRA Director

Scheduled Speeches:

10.00 Fabrizio Cardilli, Project Development Director Renewable Gases - Sapio Group

10.15 Mario Daviddi, Head of Marketing, Offering and Sales - Enel X

10.30 Mario Franchin, Senior Vice President Midstream LNG Development - Snam SpA

10.45 Lavinia Biffi, Head of Mobility Projects - Edison SpA

11.00 Fabio Ciccone, Head of Total Integrated Power - Smart Infrastructure - Siemens SpA

11.15 Marco Silvestri, Duferco Energia - Elettra Car Sharing

11.30

Conclusions by ASSTRA

THURSDAY 10

NOVEMBER

09:30 -

11:30

Cedro Room West  
Hall

**Energy  
transition**

*Key Energy and  
Ecomondo Event*

[Click here](#)

## The World Bank & other MDBs: Renewable Energy Projects, Technologies & Opportunities in Emerging Markets

Language: English

**Organized by: World Bank, ADB, AfDB, EBRD, EIB, IADB - MAECI, MEF & Italian Trade Agency**

This initiative, jointly promoted by the Italian Ministry of Foreign Affairs and International Cooperation and the Italian Ministry of Economy & Finance, is executed by the Italian Trade Agency. Its goal is to foster the mutual knowledge between sector experts of the main MDBs and top Italian SMEs, with the aim of strengthening the participation of the latter in projects financed by the major MDBs in this field.

### Session Chairs

Liborio Stellino, Deputy Director General for Internationalisation - Italian Ministry of Foreign

Paolo Cappellacci, Italian Ministry of Economy and Finance

### Programme

9.30 *Opening Remarks*

Liborio Stellino, Deputy Director General for Internationalisation - Italian Ministry of Foreign

9.35 *Top Projects & Technologies in R.E. in Africa*

Anthony Karembu, Principal Renewable Energy Officer - African Development Bank

9.50 *IADB: main projects and opportunities for R.E. in Latin America*

Juan Paredes, Senior Renewable Energy Specialist - Inter-American Development Bank

10.05 *ADB Main R.E. Projects funded in Asia*

Robert Schoellhammer, head of the European Rep Office - Asian Development Bank



10.25 EIB Main R.E. Projects In & Outside the EU

Alessandro Boschi, head of the Renewable Energy Division- EIB

10.45 Question & Answer Session

**Moderated by:** Matteo Masini, Italian Trade Agency ITA/ICE

THURSDAY 10

NOVEMBER

09:30 -

12:30

Agorà Efficiency

Pav. B6

**Energy  
transition**

Key Energy Event

[Click here](#)

## Biofuels: from algae to the pump

Language: Italian

**Organized by: FEDERESCO**

**Organized by: FEDERESCO**

The recent energy crisis, like the climate crisis, strongly re-proposes the strategic issue of supply and source diversification. Biomethane is a renewable gas, meets the requirements of the circular economy and is an immediate, effective and strategic solution for our country to solve both environmental and energy problems. The conference intends to focus on all the previously mentioned aspects in order to correctly position biomethane in its very important role, including in the mobility of people and goods, for a truly sustainable energy transition. Specifically, the project analyzed proposes to use algae for the purpose of biomethane and biodiesel production; through a process of repowering diesel engines to biomethane, the use of the same for traction purposes and distribution in dedicated service stations. In addition, since both biomethane and biodiesel can be obtained from algae production, the dual purpose of being able to distribute the fuel to currently diesel-powered vehicles as well with significant CO2 reductions would be achieved. For this reason, it aims to provide operators, investors and public decision-makers with a realistic picture of the state of the art of the sector, from production to distribution, highlighting the potential but also the critical issues that still prevent its development and massive use in autotraction.

### Session Chairs

Claudio Ferrari, Federesco President

Thomas Baumgartner, President ANITA

Andrea Rossetti, President Assopetroli

### Program

Introduction and welcome

Claudio Ferrari, President FEDERESCO

Resources to incentivize energy efficiency and renewables

Mauro Mallone (\*), MiTE Director General for Energy Incentives

Gas conversions of diesel engines

David Caponi, CEO NGV Powertrain

Fuel use on transportation vehicles

Thomas Baumgartner\*, ANITA President

Present and future of the fuels sector

Andrea Rossetti, President Assopetroli-Assoenergia

Process for producing biofuels from microalgae

Nazzareno De Angelis, Researcher Studio World Engineering and Econerg

Process of using algae for energy purposes  
 Roundtable discussion with all speakers  
 Moderator: Silvano Focardi, Professor University of Siena

### Questions and closing remarks

C. Ferrari

THURSDAY 10  
 NOVEMBER

09:30 -  
 13:00

Piazza della PA  
 Pav. D7

**Energy  
 transition**

*Key Energy and  
 Ecomondo Event*  
[Click here](#)

## From recycling to recovery: where do we stand on closing the waste cycle?

Language: Italian

**Organized by: Legambiente, Ecomondo Scientific Technical Committee, Key Energy Scientific Technical Committee**

In the 15th edition of Ecoforum - Comuni Ricicloni dell'Emilia Romagna, the theme of circular economy and its development in the region will be addressed, with focus on the end-of-waste decrees, existing plants and those under construction, and separate waste collection from which to obtain second raw materials. At the end, there will be an award ceremony for the municipalities that have achieved the best results in terms of reduction of waste produced and quantities of separated materials.

### Program

Part 1 - Circular Economy: from legislation to the state of affairs

Moderator: Davide Ferraresi, president of Legambiente Emilia Romagna

Laura D'Aprile, head of the Department for Ecological Transition and Green Investment MITE

Stefano Ciafani, President Legambiente Onlus

Luca Piatto, CONAI Territory Relations Area Manager

Claudio Tedeschi - CEO Dismeco srl

Part 2 - Closing the loop in Emilia-Romagna

Moderator: Laura Brambilla - National Manager of Comuni Ricicloni Legambiente

Gianluca Verasani, President AIMAG S.p.A.

Alfredo Amman, General Manager CLARA S.p.A.

Marco Boselli, General Manager S.A.Ba.R. S.p.A.

Andrea Bertozzi, Head of Innovation and Development Alea Ambiente S.p.A.

Part 3 - Award ceremony of Comuni Ricicloni

Paola Fagioli, director Legambiente Emilia Romagna - presentation of the Dossier Comuni Ricicloni dell'Emilia Romagna

### Conclusions

THURSDAY 10  
NOVEMBER

09:30 -  
13:15

Agorà Energy 1  
Pav. B7

**Hydrogen**  
Key Energy Event  
[Click here](#)

## Hydrogen: building the value chain and implementing internationalization strategies - The European project H2GLOBAL

Language: English

### Organized by: Clust-ER Greentech, H2IT

The launch of the hydrogen value chain represents an opportunity for many companies with adequate skills and abilities to carve out a role in this sector. However, for an effective placement of companies along the hydrogen value chain, especially in the case of SMEs, system actions and appropriate tools for entering new markets, in particular at an international level, are necessary. The Greentech Clust-ER of Emilia-Romagna region is taking part in the partnership of the European project *H2GLOBAL - European Green Hydrogen Cluster Alliance for Internationalization*, which has the objective of contributing to the positioning of Europe as an industrial and technological leader in the global green hydrogen economy. As a partner of the H2GLOBAL project and in cooperation with the Italian Association of Hydrogen and Fuel Cells, Greentech is organizing a workshop in which some important European initiatives in the hydrogen sector will be presented. Moreover, a B2B meeting session will be held between the most active national companies and the main European players of the green hydrogen value chain.

### Section Chairs

*Sandro Fuzzi, President of Greentech Clust-ER*

*Cristina Maggi, Director of H2IT - Italian Association of Hydrogen and Fuel Cells*

### Programme

9.30 Opening greetings - *Greentech and H2IT Association*

#### First session – H2GLOBAL meta-cluster presentation

9.40 H2GLOBAL project presentation – *FHa, Agata Horwacik*

9.50 Cluster FHa presentation and focus on Spain mission – *FHa, Agata Horwacik*

10.00 Cluster Capenergies presentation and focus on France mission – *Capenergies, Heloise Delseny*

10.10 Cluster EnrgyIN presentation and focus on Portugal mission – *EnergyIN, José Paulo*

10.20 Cluster RIGP presentation and focus on Poland mission – *RIGP, Anna Kwasnik*

10.30 Cluster Greentech presentation – *Greentech, Katia Ferrari*

#### Second session – Overview of European projects in the green hydrogen value chain

10.40 EU Technologies for Green Hydrogen Production - *European Innovation Council and SMEs Executive Agency (EISMEA), Francesco Matteucci*

10.55 – Hydrogen projects in Italy - facilitated by *H2IT Association, Cristina Maggi*  
Cluster LE2C - *Simplifhy SB, Sergio Torriani*

RINA S.p.A - *Simone Ursino*

Techfem – *Alessio Pierro*

11.20 – Hydrogen projects in France - *AP2E, Etienne Smith*

11.30 – Hydrogen project in Portugal: GREEN2ATLANTIC project – *EnergyIN, José Paulo*

11.40 – Hydrogen projects in Spain – *FHa, Agata Horwacik*

### 11.50 Open discussion and closure

## 12.00-13.00 Matchmaking meetings between Italian companies and European players in the green hydrogen supply chain

THURSDAY 10  
NOVEMBER

09:30 -  
13:15

Agorà Energy 1  
Pav. B7

**Hydrogen**  
Key Energy Event  
[Click here](#)

## Hydrogen: building the value chain and implementing internationalization strategies - The European project H2GLOBAL - ITALIAN LANGUAGE VERSION

Language: Italian

### Organized by: Clust-ER Greentech, H2IT

The launch of the hydrogen value chain represents an opportunity for many companies with adequate skills and abilities to carve out a role in this sector. However, for an effective placement of companies along the hydrogen value chain, especially in the case of SMEs, system actions and appropriate tools for entering new markets, in particular at an international level, are necessary. The Greentech Clust-ER of Emilia-Romagna region is taking part in the partnership of the European project *H2GLOBAL - European Green Hydrogen Cluster Alliance for Internationalization*, which has the objective of contributing to the positioning of Europe as an industrial and technological leader in the global green hydrogen economy. As a partner of the H2GLOBAL project and in cooperation with the Italian Association of Hydrogen and Fuel Cells, Greentech is organizing a workshop in which some important European initiatives in the hydrogen sector will be presented. Moreover, a B2B meeting session will be held between the most active national companies and the main European players of the green hydrogen value chain.

### President of Session

Emilia-Romagna Clust-ER Greentech representative

H2IT Association Representative

### Program

9.30 Introduction and welcome - Greentech and H2IT

H2GLOBAL project presentation - Project coordinator and partners

Overview of European projects in the green hydrogen sector - Project partners and other European players

EU Technologies for Green Hydrogen Production, Francesco Matteucci - European Innovation Council and SMEs Executive Agency (EISMEA)

11.30 a.m. **Discussion and closing**

12.00 a.m. - 1.15 p.m.

Matchmaking meetings between Italian companies and European players in the green hydrogen supply chain

THURSDAY 10  
NOVEMBER

10:00 -  
11:00

Agorà Energy 2  
Pav. D7

**Electric Mobility**  
*Key Energy Event*  
[Click here](#)

## High-power charging: in town and out, a special ally for the electric car

Language: Italian

### Organized by: InsideEVs

Electric car charging stations have reached levels of power unthinkable a few years ago, offering where possible the opportunity to gradually bring the experience of charging closer to that of filling up with gasoline. But how will this infrastructure be distributed across the territory, even in light of the NRP commitments? And how will the network need to be structured to deploy its full potential?

### Program

Elena Airoidi\* – Country Manager Italia Ionity

Federico Caleno - Head of Country Italia Enel X Way

Stefano Catolino - Head of E-mobility Free To X

Roberto Colicchio - Head of Business Development Be Charge

Daniele Invernizzi – Presidente eV-Now! e Fondatore Tesla Owners Italia

### Conclusion

THURSDAY 10  
NOVEMBER

10:00 -  
13:00

Smart Utility Hub  
Area Pav. D7  
[Click here](#)

## Talk - Smart City, E-Mobility, Cyber Security

Language: Italian

### Organized by: Smart Utility Hub

#### Innovation Investment Development Research

The world of utilities confronts each other at KeyEnergy in the space conceived by Energia Media according to a format consolidated over time within national and international events. A talk, networking and co-working area dedicated to the topics of innovation in Energy and Utility, organized in collaboration with leading innovative companies, utility companies, associations, PA and research organizations. An intense program of talks will be presented over the 4 days of the fair, with outstanding guests called upon to debate highly topical issues, discuss development models and plans, and present case histories and best practices. For the evolution of utilities, effective efficiency plans in public and private spheres, for the transformation of cities and territories into Smart City and Smart Land. A space set up for one-to-one meetings, designed to facilitate the meeting between operators, with a strong imprint oriented to communication and content dissemination.

**Program****10.00 - 11.30 a.m.**

*Smart City & Smart Land E-mobility, Smart Parking, Smart Charging, Security. Strategies and operational plans for sustainable cities and territories Focus. Smart Port, an example of integration, intermodality, interoperability.*

**11.30 - 13.00 a.m.**

*Utility system Confservizi: energy sobriety, communication and non-financial reporting CSR: reducing consumption opportunities to make processes more efficient*

**Conclusions**

THURSDAY 10  
NOVEMBER

10:00 -  
13:30

Mimosa Room  
Pav. B6

**Sustainable City**  
*Key Energy and  
Ecomondo Event*  
[Click here](#)

## PNRR in the Construction Sector: state of the art, critical issues and opportunities

Language: Italian

**Organized by: Green Building Council Italia, in collaboration with Key Energy Scientific Technical Committee and Ecomondo Scientific Technical Committee**

The proper use of NRP funds includes meeting the 6 environmental objectives of the European Green Investment Taxonomy Regulation. The building sector is the one most affected by all these objectives. In order to benefit from the economic support of the NRP, therefore, awareness of the level of environmental quality of the construction work and the ability to report on the objectives achieved are essential. The NRP also requires adherence to stringent timelines for planning, design and execution of works. It is well known that the construction sector is the slowest among others due to the complexity of the process and the regulatory framework that governs it.

It is therefore also of great importance and interest to discuss the legislative tools for their effective implementation and where necessary revision and adaptation to the objectives of the NRP.

The conference will therefore seek to address these two aspects, environmental quality and design capacity, starting from the vision of the two main ministries involved in construction, the MiTE and MIMS, and then taking the debate to two tables: that of the public administrations, which manage the projects financed by the NRP, and that of the construction technology supply chains, which provide the implementation solutions.

**President of Session**

Marco Caffi, Green Building Council Italia, Ecomondo Scientific Committee  
Gian Marco Revel, Università Politecnica Delle Marche, Key Energy Scientific Committee

**Program**

10:00-10:10 Introduction of the session chairs

10.10-10.20

The NRP opportunity for the sustainable transformation of the built environment  
Marco Mari - Green Building Council Italy

10.20-10.40

PNRR's environmental objectives for construction and their reporting  
Silvia Grandi - MiTE (Ministry of Ecological Transition)

10.40-11.00

The tools serving the construction processes financed by the PNRR  
Andrea Ferrante- MIMS (Ministry of Infrastructure and Sustainable Mobility)

11.00-11.20

Case histories of building processes financed by the PNRR  
Franco Zinna, City of Milan Housing Department

11.20-12.50

Round table:  
Technological tools and solutions serving PNRR-funded building processes -  
constraints and opportunities

Tiziana Pescosolido, Municipality of Rome  
Susanna Borelli, RFI Stations Management - FS Group  
Federica Brancaccio, ANCE  
Enzo Ponzio, CNA  
Fabrizio Capaccioli, Green Building Council Italy  
Paolo Barberi, ANPAR  
Francesco Fatone, International Water Association and Water Europe Ambassador  
Gaetano Settimo, National Institute of Health

12.50 - 13.00

**Discussion and closing remarks**

THURSDAY 10  
NOVEMBER

10:30 -  
12:00

Arena Encounters  
of Light (pav. D7)

**Sustainable City**  
Key Energy Event  
[Click here](#)

## Meetings of Light - Turn off or better light our cities?

Language: Italian

**Organized by: AIDI - Italian Lighting Association**

Light Encounters returns to the Key Energy. Innovations and technologies are changing the way we perceive and use light in our cities. A scenario where it becomes essential to gain clarity with companies, utilities and designers, representatives of the public administration that throughout the Fair, in the "Sustainable City area" in the six talks organized by AIDI (Italian Lighting Association) in collaboration with Key Energy will give us their opinion on the state of play and the future of an increasingly intelligent, interactive and sustainable light. Several topics will be covered: from the increasingly strategic and fundamental role of energy communities and renewable lighting and energy sources to the importance of nature centric lighting design and the opportunities offered by smart cities and smart mobility.

### Program

Moderator: Mariella Di Rao, journalist, Studio Communication & Image

Participants:

Laura Bellia, professor, University of Naples "Federico II" and AIDI scientific manager

Filippo Moschella, mayor of the municipality of Sirolo (AN)

Alessandro Battistini, general manager of HERA Luce

Gianni Drisaldi, lighting designer, Drisaldi Associati

Mauro Iualè, area manager central Italy, Schréder

Luca Rufolo, Italy commercial director, GMR ENLIGHTS

Igor Tornati, UMPI commercial management committee

## Conclusion

THURSDAY 10

NOVEMBER

11:30 -

13:00

Gardenia Room

Pav. D7 East Hall

[Click here](#)

## Offshore: Innovative solutions and grid connections

### Organized by: HITACHI Energy Italy SpA

The European Union and Italy have set targets to reduce net greenhouse gas emissions by at least 55 percent by 2030. These targets, together with the unstable geo-political situation in Europe, are accelerating investment in the development of renewable sources and an integrated transmission grid. In the "fit for 55" scenario developed by Terna, wind power capacity could grow by a total of 16 GW by 2030, with an onshore increase of 7 GW and offshore increase of 9 GW. The capacity will be mainly located in the south of the country, where the geographical and yield potential is higher. It follows that the development of renewables will also drag in grid upgrade investments to be able to support power generation and transmission. In this context, the supply chain will be the critical success factor. Hitachi Energy a technology leader in onshore and offshore power transmission is the partner of choice for product supplies and implementation of high voltage direct current (HVDC) and high voltage alternating current (HVAC) solutions, as well as Power Quality, Digitalization & Cybersecurity, Offshore Floating & Subsea systems and a Service structure to support the customer. With an approach that looks at "the whole electricity transmission system," Hitachi Energy drives continuous development, working with customers and partners to improve transmission system reliability and technological and economic sustainability.

### Program

Offshore Wind Market Outlook – Hitachi Energy analysis – Alfredo Parres, Market Development Manager, Renewables - Hitachi Energy

Products and Solutions for Offshore Wind – Ilario Scian, Global Product Manager Industrial Specialty Transformers - Hitachi Energy

HVDC Transmission Technologies for Offshore Wind – Arman Derviskadic, HVDC Sales Manager Italy - Hitachi Energy

Grid Connection challenges and grid evolution in Italy - Carlini Enrico Maria, Grid Planning, Interconnections and Permitting Director - Terna

## Conclusion



THURSDAY 10  
NOVEMBER

11:30 -  
13:00

Agorà Energy 2  
Pav. D7

**Electric Mobility**  
*Key Energy Event*  
[Click here](#)

## Presentation of a new analytical methodology for analyzing transformations in the automotive ecosystem

Language: Italian

**Organized by: Motus-E, CAMI, with the media partnership of Vaielettrico**

Motus-E together with Cami, Center for Automotive E-mobility innovation at Ca' Foscari University of Venice, presents a new methodology of analysis on automotive ecosystem transformations. The goal is to return a representation that is adherent to reality, dynamic and evolutionary, as opposed to a traditional top-down statistical approach. Through the new methodology, a database has been built to map companies in the expanded electric mobility supply chain and the different impacts that technological and market transformations will have on them. Prominent companies that have already begun to address this transformation and others that are capturing value from it will describe their vision on the electrification of mobility.

**Moderator:** Mauro Tedeschini (Vaielettrico)

### Program

11.30 - 12.00

Study presentation by Motus-E and CAMI.

Francesco Naso (Motus-E), Francesco Zirpoli (Ca Foscari)

12.00 - 13.00

Panel and final Q&A

Antonio De Bellis (ABB)

Riccardo Fontana (Bitron)

Filippo Di Giovanni (STMicroelectronics)

Andrea Dell'Orto (Dell'Orto)

Franco Stanghellini (Marposs Group)

### Conclusions

THURSDAY 10  
NOVEMBER

11:30 -  
13:00

Tulipano Room  
Pav. B6

**Energy transition**  
*Key Energy Event*  
[Click here](#)

## The development of renewable sources in Italy, the impact on grids and authorization procedures



Language: Italian

**Organized by: Elettricità Futura**

The development of renewables is the way forward and the structural solution to combat climate change, increase our country's energy independence and at the same time enable important benefits in terms of economy, employment and competitiveness. The European Commission, with the REPowerEU package and the proposal to increase the renewable target on final energy consumption to 2030 from 40 percent of Fit for 55 to 45 percent has given a very strong signal. The world is racing on renewables: in 2022 global renewable capacity is expected to increase further by 8 percent over 2021, i.e., another 320 new GW will be added. Photovoltaics takes the lion's share, accounting for 60 percent of the increase in global renewable capacity in 2022 with 190 new GW coming on line, a 25 percent growth over last year. It is the IEA (International Energy Agency) that tells us that solar PV and wind costs will remain higher in 2022 and 2023 than pre-pandemic levels due to high commodity and feedstock prices. Despite these factors, according to the IEA itself, renewables remain by far the most competitive option compared to other energy sources. The conference organized by Elettricità Futura will be an opportunity to delve into the opportunities that the Italian electricity sector can take from the REPowerEU Plan, which according to Elettricità Futura translates into the +85 GW renewables target by 2030 (84% renewable electricity in the electricity mix), to inform about what has been done so far and the challenges ahead to simplify authorization procedures and have a solid and widespread grid infrastructure, with the goal of accelerating renewables and freeing ourselves from Russian gas as soon as possible. Highly topical and relevant issues, which will be discussed together with industry players.

## Program

11:30 a.m.

Introductory greetings

Agostino Re Rebaudengo, President, Future Electricity

11:35 a.m.

The development of photovoltaics in Europe and the benefits on employment

Raffaele Rossi, Head of Market Intelligence, Solar Power Europe

11:50 a.m.

Renewables, grids and storage: development according to Terna

Luca Marchisio, Head of Strategy and Innovation, Terna

12:05 pm

Energy production plants from renewable sources: the new regulatory framework referable to authorization procedures

Cristina Martorana, Partner Studio Legale, Legance

12:20 pm

Direct experiences - round table with operators

Simone Antonelli, Regulatory Team Leader, Shell

Emanuele Staltari, Head of Solar Business Development Italy, Enel

Michele Pizzolato, Regulatory Affairs Director, Eni-Plenitude

Elisa Rondella, Regulatory Affairs Director, Edison

Giuseppe Caricato, Business Development Director, Repower

Stefano Scazzola, Head of Renewable Development, Engie Italy

Fabrizio Tortora, Business Development and JDA Director, Falck Renewables

13:10

**Conclusions**

Barbara Clementi, Renewable Energy Director, Ministry of Environment and Energy Security

Moderator: Andrea Zaghi, General Manager, Elettricità Futura

THURSDAY 10  
NOVEMBER

11:30 -  
13:30

Cedro Room West  
Hall

**Energy  
transition**

*Key Energy and  
Ecomondo Event*  
[Click here](#)

## The World Bank & other MDBs: Water Treatment Projects, Technologies & Opportunities in Emerging Markets

Language: English

**Organized by: World Bank, ADB, AfDB, EBRD, EIB, IADB - MAECI, MEF & Italian Trade Agency**

This initiative is jointly promoted by the Italian Ministry of Foreign Affairs and International Cooperation and the Italian Ministry of Economy & Finance and executed by the Italian Trade Agency. Its goal is to foster the mutual knowledge between sector experts of the main MDBs and top Italian SMEs, with the aim of strengthening the participation of the latter in projects financed by the major MDBs in this field.

**Session Chairs**

Liborio Stellino, Deputy Director General for Internationalisation - Italian Ministry of Foreign

Paolo Cappellacci, Italian Ministry of Economy and Finance

**Programme**

11.30 *World Bank - Main initiatives in water sanitation in emerging markets*

Antonio Rodriguez Serrano, Sr. Water and Sanitation Specialist, The World Bank.

11.50 *AfDB - Top projects & technologies in water sanitation in Africa*

Emmanuel Olet, Chief Water Resources Development Officer, African Development Bank

12.05 *IADB - Main Projects in water sanitation & waste management in America Latina*

Rodrigo Riquelme, Water & Sanitation Lead Specialist, Inter-American Development Bank

12.20 *ADB: Main Projects Funded in Asia*

Allison Woodruff, Chief of Water Sector Group, Asian Development Bank

12.35 *EBRD: Main Projects & Technologies for Water Sanitation in Central Asia*

David Tyler, Chief of Water Sector Group, European Bank for Reconstruction & Development

12.50 *EIB: main projects and opportunities In & Outside the EU*

Thomas Van Gilst, Head of the Water Security and Resilience division, European Investment Bank

13.05 Question & Answer

## 13.25 Closing Remarks

Paolo Cappellacci, Coordinator of the multilateral development banks & funds office - Italian Ministry of Economy and Finance

**Moderated by:** Matteo Masini, Italian Trade Agency ITA/ICE

THURSDAY 10  
NOVEMBER

12:00 -  
12:30

Cefla Stand (Pav.  
B5/D5 - 023)

[Click here](#)

## Are you ready for the future of Cefla power generation? Be the future, with us

Language: Italian

**Organized by: CEFLA**

***The future of energy starts here***

We look forward to seeing you on November 10 at 12 noon inside the Cefla booth (PAD: B5/D5 - 023) to introduce you to a great new development in the world of power generation.

THURSDAY 10  
NOVEMBER

12:00 -  
13:00

City Green Light  
Stand Pav. D7 Hall  
Est

[Click here](#)

## AperiTalk - Future mobility: for a new design of urban mobility

Language: Italian

**Organized by: City Green Light**

Solutions and technologies for mobility as an increasingly shared and sustainable service.

**Program:**

Arturo D'Atri, City Green Light development director  
Davide La Gamba, INCIT-EV Links Foundation project manager  
Sonia Zanotti, Business Unit Manager Parking Division of Intercomp

**Moderator:** Mariella di Rao, journalist

THURSDAY 10  
NOVEMBER

14:00 -  
15:00

Gardenia Room  
Pav. D7 East Hall

**Wind**  
*Wind Session*  
[Click here](#)

## Land and wind energy: resources for sustainable cooperation and development

Language: Italian

**Organized by: RWE Renewables Italia**

Over time, climate change will show its effects on the territory. Thanks to the forward-looking guidelines of the European Union to reduce the production of greenhouse gases and the use of fossil fuels, it will be possible to counteract the effects on the environment and the landscape. To put the EU guidelines into practice, it will be necessary to contribute at different levels to involve all those who are called to participate, from citizens, to operators of renewable sources, to associations, to political decision-makers, above all through correct information and training. A cultural transition of all the actors involved will be necessary in order to make a common front and move from the NIMBY effect (Not-In-My-Back-Yard) to the PIMBY effect (Please-In-My-Back-Yard). A partnership between the territory and renewable sources will be the winning solution to create the right conditions to enhance all the resources available. The exchange between different points of view on the issue of the spread of wind energy and the role of all stakeholders will provide an opportunity to inform and discuss the opportunities offered by the enhancement of renewable sources.

### **Moderator**

Marco MAZZI, Senior Regulatory Affairs Manager, RWE Renewables Italy

### **Program**

#### **2:00 p.m. - THE PERCEPTION OF ITALIANS ON RENEWABLES AND CLIMATE CHANGE - A SURVEY**

Fabrizio MASIA, Managing Director EMG Different

#### **2:10 p.m. - ROUND TABLE**

Chiara BRAGA, Member of Parliament Democratic Party

Francesca DE FALCO, Director UOD Energy, Efficiency and Energy Saving DG Productive Activities and Economic Development Campania Region

Katuscia EROE, Legambiente national energy manager

Gianni LAMPIS, Member of Parliament Fratelli d'Italia

Ludovica NIGIOTTI, Head of Development Italy and Spain, RWE Renewables Italia

Matteo RICCI, Mayor of Pesaro and President of Lega Autonomie Locali (ALI)

THURSDAY 10  
NOVEMBER

14:00 -  
15:15

Innovation Arena -  
South Hall

**Energy  
transition**

*Key Energy and  
Ecomondo Event*

[Click here](#)

## EU funding for green projects – a world of possibilities

Language: English

### **Organized by: European Commission, Ecomondo Scientific Technical Committee, Key Energy Scientific Technical Committee**

In the workshop, European Commission representatives will present the European Innovation Council (EIC), the European Climate, Infrastructure and Environment Executive Agency (CINEA) and the European Research Executive Agency (REA), as well as their 2022 Work Programmes and thematic funding calls.

### **Session Chairs**

Francesco Matteucci, EIC Programme Manager

Philipp Troppmann, Deputy Head of Unit CINEA A1 - Programme support, coordination & communication

Giulio Pattanaro, Research Programme Administrator, REA.B3 Biodiversity, Circular Economy and Environment

## Programme

### 14.00 *Introduction*

Fabio Fava, University of Bologna & President of Ecomondo Scientific Technical Committee

### ***The European Innovation Council and the EIC 2022 WP***

Francesco Matteucci, EIC Programme Manager

The European Innovation Council (EIC) is Europe's flagship innovation programme. It aims at identifying, developing and scaling up breakthrough technologies and game changing innovations with the potential to scale up internationally and become market leaders. The EIC supports all stages of innovation, from research and development on the scientific underpinnings of breakthrough technologies, to validation and demonstration of breakthrough technologies and innovations to meet real world needs, to the development and scaling up of start-ups and small and medium-sized enterprises (SMEs) applying an hands-on content wise approach. The EIC provides funding through both open and challenge-based calls that in EIC WP2022 cover, amongst others, green topics such as long-term energy storage, carbon capture and utilization (CCU) or hard to abate industries decarbonisation. The EIC has been established under the EU Horizon Europe programme and operates on a budget of €10.1 billion for the 2021 – 2027 period.

### ***The European Climate, Infrastructure and Environment Executive Agency (CINEA) and its EU funding programmes for transport, energy, climate action, environment and maritime fisheries and aquaculture***

Philipp Troppmann, Deputy Head of Unit CINEA A1 - Programme support, coordination & communication

The European Climate, Infrastructure and Environment Executive Agency (CINEA) has been established by the European Commission to implement parts of EU funding programmes for transport, energy, climate action, environment and maritime fisheries and aquaculture. The Agency has a key role in supporting the European Green Deal – one of the European Commission's main strategic priorities. CINEA aims to support its beneficiaries, establish strong partnerships, deliver high-quality programme and project management, foster effective knowledge sharing and create synergies between programmes - to support a sustainable, connected, and decarbonised Europe. The Agency manages 7 EU Programmes worth around €55 billion: Connecting Europe Facility (CEF), Horizon Europe, LIFE programme, European Maritime, Fisheries and Aquaculture Fund (EMFAF), Innovation Fund, EU Renewable Energy Financing Mechanism and Just Transition Mechanism.

### ***The European Research Executive Agency (REA) and Horizon Europe's Cluster 6***

Giulio Pattanaro, Research Programme Administrator, REA.B3 Biodiversity, Circular Economy and Environment

Mandated by the European Commission to support the EU Research and Innovation policy, the European Research Executive Agency (REA) funds high-quality research and innovation projects that generate knowledge for the benefit of society. REA's mission is to help build a greener Europe with prosperous, inclusive societies and economies that take full advantage of the digital age. REA manages the following EU programmes (or parts thereof): Horizon Europe, Horizon 2020, Research Fund for Coal and Steel and Promotion of agricultural products. REA's presentation will focus on the Cluster 6 of Pillar 2 of Horizon Europe, which is about "Food, bioeconomy, natural resources, agriculture and environment" (budget of €7.4 billion for the 2021 – 2027 period).

#### *Discussion*

Fabio Fava, Francesco Matteucci, Philipp Troppmann, Arnoldas Milukas

15.10 Closure by the chairs

THURSDAY 10  
NOVEMBER

14:00 -  
15:30

Arena Encounters  
of Light (pav. D7)

**Sustainable City**  
Key Energy Event  
[Click here](#)

## Light Meetings - Smart city and governance models for municipalities: project financing and public-private partnership. NRP opportunities

Language: Italian

### **Organized by: AIDI - Italian Lighting Association**

Light Encounters returns to the Key Energy. Innovations and technologies are changing the way we perceive and use light in our cities. A scenario where it becomes essential to gain clarity with companies, utilities and designers, representatives of the public administration that throughout the Fair, in the Sustainable City area" in the six talks organized by AIDI (Italian Lighting Association) in collaboration with Key Energy will give us their opinion on the state of play and the future of an increasingly intelligent, interactive and sustainable light. Several topics will be covered: from the increasingly strategic and fundamental role of energy communities and renewable lighting and energy sources to the importance of nature centric lighting design and the opportunities offered by smart cities and smart mobility.

### **Program**

Moderator:

Mariella Di Rao, journalist, Studio Communication & Image

Participants:

Oriana Granato, head law Infrastructures and Project Finance, EY Tax Law Firm

Mauro Maria Marino, president OCF (body for the supervision and maintenance of the single register of financial advisers)

Alessandro Papa, expert in facilitated finance and owner of the firm Capital Advisory

Pietro Flori, manager of the Public Works area of the Municipality of Narni (Terni)

Federico Mauri, general manager, A2A Public lighting

## Conclusion

THURSDAY 10  
NOVEMBER

14:00 -

16:00

Agorà Efficiency  
Pav. B6

**Energy  
Efficiency**

Key Energy Event  
[Click here](#)

## Energy efficiency in buildings and in public administration



Language: Italian

**Organized by: Key Energy Scientific Technical Committee, FIRE, with Federico Testa**

All the more so in the face of the energy crisis, the need to increase the efficiency of Public Administration buildings emerges even more strongly: offices, schools, libraries, and swimming pools need to be put in the best conditions of use, so as to fully carry out the task to which they are called for the benefit of the communities. From this point of view, it is important to compare with the main public actors in the sector, so as to identify the prospects and possible strategies to be implemented in order to realistically produce satisfactory results.

### Program

**Moderator:** Federico Testa, University of Verona

14.00

#### **Session 1 - policies for the rehabilitation of buildings**

Round table discussion

Speakers:

- Ilaria Bertini, ENEA
- Luca Barberis, GSE
- Mauro Mallone, MITE
- Tommaso Ferrari, ANCI

14.45

#### **Session 2 - good practices for the rehabilitation of buildings**

- The energy upgrading of buildings, Alessandro Miglioli, PoliMI
- The electrification of consumption, Dario Di Santo, FIRE
- Energy efficiency and resilience: practical examples, Michele Cattaneo, Manni Energy
- The role of heat pumps, Ferdinando Pozzani, TEON
- Building automation and plant engineering, Massimiliano Magri, Aicarr
- The experience of a utility, Luca Fresi, chief executive officer of Alperia Green Future

16.00

#### **Closing remarks**



THURSDAY 10  
NOVEMBER

14:00 -  
17:00

Stand H2IT Pav.  
B7

**Hydrogen**  
Key Energy Event  
[Click here](#)

## H2Talk - "Hydrogen, ready to go. Italian projects": H2IT Report - Installation of fuel cells in residential and commercial settings

Language: Italian

### **Organized by: H2IT**

The hydrogen theme has now become mainstream in industry, in the world of research, and at the institutional level: which players have already launched concrete projects? The appointments will present several ongoing Italian initiatives, in order to fully understand the commitment of companies and entities in developing concrete projects in the short term. Through the narrative of companies and territorial entities, the sectors most involved, the opportunities encountered in the implementation of hydrogen technologies and what difficulties will be illustrated.

### **Program**

Organized by Dr. Anna Maria Moressa, Intesa San Paolo Central Research and Studies Department

Alessandro Tovoli, Energy Division - Adriatic Business Unit Manager WHE, ALFA LAVAL

Marco Parigi, PIEL Global Sales Director - MCLYZER/HRS Sales Manager Southern Europe, McPHY ENERGY ITALY

Alessia Marini, Southern Europe Sales Manager, McPHY ENERGY ITALY

Gabriele Lucchesi, Hydrogen Director, EDISON NEXT

Fabrizio Cardilli, Project Development Director Renewable Gases, SAPIO

THURSDAY 10  
NOVEMBER

14:00 -  
17:30

Agorà Energy 2  
Pav. D7

**Sustainable City**  
Key Energy Event  
[Click here](#)

## Digitalization of services for green and resilient cities: perspectives and opportunities

Language: Italian

### **Organized by: LUMI, Key Energy Scientific Technical Committee**

The European Commission sets the Twin Transition as the main objective of the Next generationEU program. This means being able to couple ecological transition and digitalization, both of the public and the private world. This process appears fundamental at a urban level, where services (from mobility to healthcare, from energy efficiency to lighting) have a strong impact on the environment and the well-being of citizens and can benefit from digital technologies and processes. This transformation also represents new business opportunities which can find an acceleration in the ecological and digital transition and in the Recovery Funds. The event aims at creating a moment of discussion on data valorization to support functionalities and services at the urban level, with particular attention to aspects related to energy and climate change. For example, Artificial Intelligence appears to be one of the most interesting technology which nevertheless require attention to the results and the regulations that are not always properly considered today.

## Presidents of Session

Gian Marco Revel, Polytechnic University of Marche, CTS, Sustainable City Scientific Officer

Laura Baronchelli, LUMI4innovation Editorial Director, Head of Content LUMI

## Program

Opening Speech on Artificial Intelligence Applications - Ulrich Ahle, CEO of FIWARE Foundation

Dario Avallone, Engineering, Research and Development Manager

Silvia Celani, Innovation Manager, ACEA

Alessia Fiorini, Head of Smart City BU Simet-Enercom Group

Lorenzo Giudice, Microsoft, Major Technology Strategist

Giulia Minghetti, Innovation Analyst Siram Veolia

City of Pesaro as Use Case - City Council Pres. Marco Perugini

*Following*

## The 23rd edition of the Ecohitech Award – Smart & Sustainable Cities. Success stories of green and digital transition

Since 1998, the Ecohitech Award celebrates the most innovative and green solutions and projects for smart and sustainable cities. A moment to enhance the commitment of Italian tech companies and municipalities in the processes of digitalization, ecological transition and improvement of services for citizens well-being.

THURSDAY 10  
NOVEMBER

14:00 -  
17:30

Smart Utility Hub  
Area Pav. D7  
[Click here](#)

## Talk- Utility and PNRR

Language: Italian

### Organized by: Smart Utility Hub

#### Innovation Investment Development Research

The world of utilities confronts each other at KeyEnergy in the space conceived by Energia Media according to a format consolidated over time within national and international events. A talk, networking and co-working area dedicated to the topics of innovation in Energy and Utility, organized in collaboration with leading innovative companies, utility companies, associations, PA and research organizations. An intense program of talks will be presented over the 4 days of the fair, with outstanding guests called upon to debate highly topical issues, discuss development models and plans, and present case histories and best practices. For the evolution of utilities, effective efficiency plans in public and private spheres, for the transformation of cities and territories into Smart City and Smart Land. A space set up for one-to-one meetings, designed to facilitate the meeting between operators, with a strong imprint oriented to communication and content dissemination.

## Program

**2:30 - 3:30 p.m.**

*Water cycle and PNRR: between integrated vision and technological solutions*

**3:30- 5:30 p.m.**

*Utilities and PNRR. The state of play in water, energy, environment, mobility*

## Conclusions

THURSDAY 10  
NOVEMBER

14:00 -

18:30

Agorà Energy 1  
Pav. B7

**Energy  
transition**

*Key Energy and  
Ecomondo Event*

[Click here](#)

## Africa Green Growth - FRENCH LANGUAGE VERSION

Language: French

**Organized by: Res4Africa, Ecomondo Scientific Technical Committee, Key Energy Scientific Technical Committee**

The main objective of the *Africa Green Growth* forum is to foster the entrance of our Italian companies in the vast African market, promoting their advanced technology and integrated solutions that will be able to meet the needs of food, water, raw materials and energy supply. The two main focuses will be “Water Energy and Food Nexus”, and “Green Hydrogen”: at the same time, circular economy, bioeconomy and young entrepreneurship will also be under the spotlight.

With the support of the Italian Trade Agency, The Italian Ministry of Foreign Affairs and International Cooperation, The Italian Ministry of Ecological Transition, and the Italian Ministry of University and Research, Embassies of the target countries in Italy will be involved, along with African government representatives, associations, institutions and qualified media: this will allow them to introduce the guidelines on the above-mentioned sectors for the next 2-5 years. At the same time, commercial delegations will be welcomed to establish a solid network between the industrial and the institutional sector.

### President of Session

R. Vigotti – Secretary General, RES4Africa

### Programme

2 p.m. – 2.30 p.m.

#### **Institutional speech on climate change**

R. Vigotti – Secretary General, RES4Africa

A. Biancardi – Head of Institutional Affairs, GSE

2.30 p.m. - 3.30 p.m.

#### **Renewable Energy and Green Hydrogen**

Opening from the Minister Plenipotentiary of the Embassy of Morocco, Mr. Khalid Atlassi

Opening from the Representative of the Embassy of Egypt, Ms. Noha Syam

**Moderator:** P. Cutrone – MED Area Senior Program Manager, RES4Africa

*Speeches from African countries*

- Morocco: (M. Benmeziane – Head of Communication and Technology Watch, Iresen)

*Technical speeches*

- L. Casadio – Business Development H2, P2X and Hybrid Solutions, Siemens-Gamesa
- N. Pierozzi – Carbon Reduction Excellence Technical Manager, Rina Corporate
- A. Meola - Business Development Director Consulting Division, CESI

3.30 p.m. – 3.40 p.m.

**Technical break**

3.40 p.m. – 4.40 p.m.

**Innovative and sustainable initiatives for African countries**

Opening from Representative of the Embassy of Kenya, Mr. Anthony Muriithi

**Moderator:** D. Guzzo – Access to Energy Officer, RES4Africa

*Speeches from African countries (Key Energy-Ecomondo delegations)*

- Rwanda: (B. Uwimana – Rwanda's Ministry of Environment, Communication and Outreach Specialist)
- Kenya: (G. Katiambo - Founder, INNO-NEAT Energy Solutions)
- South Africa: (C. Edeh – Director, African Sustainable Energy Association)
- Ghana: (M. Tuwor – Managing Director, Accra Compost Recycling Plant)

A. Karembu - Principal Renewable Energy Officer, African Development Bank

4.40 p.m. – 5 p.m.

**End of works**

5 p.m. – 5.45 p.m.

**UNIDO ITPO Italy – Award Ceremony of the “FIPEE Call for High Impact Cleantech”**

FIPEE Call for High Impact Cleantech” of UNIDO ITPO Italy aimed to identify projects with high-impact potential cleantech innovations from Botswana, Cuba, Ethiopia, Kenya and Peru. Selected projects have received targeted support to enhance their investment-readiness and business competitiveness through a specific training acceleration program, and an ad hoc jury of experts chose the 5 winners, one for each country. The initiative is part of the FIPEE project ([www.unido.it/FIPEE](http://www.unido.it/FIPEE)), implemented by UNIDO ITPO Italy and funded by the Italian Ministry of Ecological Transition.

*Opening remarks*

- Ms. Diana Battaglia | Head of UNIDO ITPO Italy
- Ms. Cecilia Erba | Project Expert at the Italian Ministry of Ecological Transition - MiTE

*Winners presentation and award*

- Presentation of the winner from Botswana *awarded by Ms. Kelebogile N. Kgathi, Economic Officer at the Embassy of Botswana to Belgium accredited to Italy*
- Presentation of the winning project from Cuba *awarded by Eng. Bladimir Matos Moya, First Vice President of INRH Cuba*

- Presentation of the winning project from Ethiopia *awarded by H.E. Demitu Hambisa Bensa, Ambassador of Ethiopia to Italy*
- Presentation of the winning project from Kenya *awarded by Eng. Benson Mwakina, Director of Renewable Energy at Ministry of Energy of Kenya*
- Presentation of the winning project from Peru *awarded by Ms. Cecilia Erba, Project Expert at MiTE*

#### Closing remarks

- Ms. Sunyoung Suh | Project Coordinator at UNIDO Global Cleantech Innovation Programme (GCIP)

*Moderator: Valentina Maltese | FIPEE project coordinator at UNIDO ITPO Italy*

5.50 p.m. – 6.30 p.m.

**Networking cocktail at Piazza della PA (pav. D7)**

THURSDAY 10  
NOVEMBER

14:00 -  
18:30

Agorà Energy 1  
Pav. B7

**Energy  
transition**

*Key Energy and  
Ecomondo Event*  
[Click here](#)

## Africa Green Growth

Language: English

**Organized by: Res4Africa, Ecomondo Scientific Technical Committee, Key Energy Scientific Technical Committee**

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#### President of Session

R. Vigotti – Secretary General, RES4Africa

#### Programme

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A. Biancardi – Head of Institutional Affairs, GSE

2.30 p.m. - 3.30 p.m.

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Opening from the Representative of the Embassy of Egypt, Ms. Noha Syam

**Moderator:** P. Cutrone – MED Area Senior Program Manager, RES4Africa

#### *Speeches from African countries*

- Morocco: (M. Benmeziane – Head of Communication and Technology Watch, Iresen)

#### *Technical speeches*

- L. Casadio – Business Development H2, P2X and Hybrid Solutions, Siemens-Gamesa
- N. Pierozzi – Carbon Reduction Excellence Technical Manager, Rina Corporate
- A. Meola - Business Development Director Consulting Division, CESI

3.30 p.m. – 3.40 p.m.

### **Technical break**

3.40 p.m. – 4.40 p.m.

### **Innovative and sustainable initiatives for African countries**

Opening from Representative of the Embassy of Kenya, Mr. Anthony Muriithi

**Moderator:** D. Guzzo – Access to Energy Officer, RES4Africa

#### *Speeches from African countries (Key Energy-Ecomondo delegations)*

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A. Karembu - Principal Renewable Energy Officer, African Development Bank

4.40 p.m. – 5 p.m.

### **End of works**

5 p.m. – 5.45 p.m.

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#### *Closing remarks*

- Ms. Sunyoung Suh | Project Coordinator at UNIDO Global Cleantech Innovation Programme (GCIP)

*Moderator: Valentina Maltese | FIPEE project coordinator at UNIDO ITPO Italy*

5.50 p.m. – 6.30 p.m.

**Networking cocktail at Piazza della PA (pav. D7)**

THURSDAY 10  
NOVEMBER

14:00 -  
18:30

Agorà Energy 1  
Pav. B7

**Energy  
transition**

Key Energy and  
Ecomondo Event

[Click here](#)

## Africa Green Growth - ITALIAN LANGUAGE VERSION

Language: Italian

**Organized by: Res4Africa, Ecomondo Scientific Technical Committee, Key Energy Scientific Technical Committee**

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*Closing remarks*

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5.50 p.m. – 6.30 p.m.

## Networking cocktail at Piazza della PA (pav. D7)

THURSDAY 10  
NOVEMBER

14:30 -  
15:30

Piazza della PA  
Pav. D7

[Click here](#)

## Smart energy distribution: new technologies, trends and applications in temporary installations

Language: Italian

### Organized by: Osservatorio Allestimenti

Innovative technologies and materials, from light bulbs to plastics, have always influenced everyday life and how we live our spaces, whether in the home or office. What does the future hold for us? New challenges in furniture and fittings include an increasingly pervasive use of "distributed electronics" (Internet-of-Things, or IOT) and great attention to sustainability and recycling.

We discuss this with Vincenzo Palermo, executive of the National Research Council (CNR) and director of ISOF in Bologna, and Francesca Tinti a CNR-ISOF researcher and expert in new photovoltaic technologies. Together we will see prototypes of new solar cells, smart filters and smart sensors for the fair environment. We will talk about how new nanotechnology materials allow us to better generate, distribute and use the energy needed for IOT, using sustainable materials and reducing the use of metals, critical minerals and raw materials with high environmental impact.

The meeting is one of the first initiatives of the Allestimenti Observatory, curated by Prostand, the first observatory dedicated to temporary architecture for the sustainable economy declined on business spaces.

THURSDAY 10  
NOVEMBER

14:30 -  
17:45

Tulipano Room  
Pav. B6

**Energy  
Efficiency**

*Key Energy Event*

[Click here](#)

## Measurement and verification of energy savings

Language: Italian

### Organized by: FIRE

Measurement and verification (M&V) of energy savings is a complex activity, but protocols and methodologies exist to facilitate the process. M&V requires assessing the difference between pre-intervention and post-intervention consumption, taking into account trends in other factors that influence changes in consumption. Correct estimation of energy savings is crucial in the context of performance guarantee contracts (EPCs) and in incentive mechanisms based on efficiency gains, but also to keep track of consumption trends and in the context of certified or non-certified energy management systems. Cases in different sectors will be presented.

### President of Session

Daniele Forni, FIRE

### Program

- 14.15 p.m. Registration  
 14.30 Introduction and greetings, Daniele Forni, FIRE  
 14.40 The Evolution of M&V, Denis Tanguay, EVO (speech in English)  
 14.50 Access to consumption data, Marco De Min ARERA  
 15.15 Optimizing a CHP through M&V, Ignace de Francqueville PMVA  
 15.25 M&V and other tools for building sustainability, Benedetta Gaglioppa PMVA  
 15.50 Valuing savings, Filippo Busato PMVA  
 16.15 M&V applied to power quality: insights, Angelo Soglia PMVA  
 16.40 Option D for a new hospital, Sara Pierantonietti PMVA  
 17.05 M&V for multi-chiller HVAC management efficiency, Andrea Lanna PMVA  
 17.30 Q&A  
 17.45 **Closing**

THURSDAY 10  
NOVEMBER

14:30 -  
18:00

Mimosa Room  
Pav. B6

**Solar and  
Storage**  
Key Energy Event  
[Click here](#)

## Beginning of C&I Energy Storage Era in Europe: Market Assessment, Potentials & Business Models - ITALIAN LANGUAGE VERSION



Language: Italian

**Organized by: IBESA**

This engaging and interactive conference session will bring participants up to speed on the latest dynamics driving C&I energy storage market growth in Europe. Experts agree that this segment is likely to become “the next big thing” in Europe’s energy storage market and a highly lucrative business case for commercial end customers. Specifically tailored towards the needs of installers, developers, utilities, technology providers, policy makers, and key storage stakeholders on both domestic and international level, delegates will gain a comprehensive understanding on energy storage market opportunities, deployments, policies and regulations. In addition to highly data-driven market inputs by leading research firms, selected industry giants will showcase best practice examples to make the C&I storage value propositions in commercial and utility scale segments better accessible for participants.

### Program

Key topics covered:

- When will the market take-off happen and which EU countries are most advanced?
- What regulations are needed to unlock the segment’s vast potential?
- From conception to implementation: Essentials for securing project success.
- Which application areas are most relevant and how can successful business models look like?
- Supplier landscape: Overview and comparison of most innovative technologies available in the marketplace.

**Speakers:**

2:30 PM

Daniel Fuchs, Vice President International Battery & Energy Storage Alliance – IBESA  
**European Energy Storage Highlights, Trends & Key Players 2022**

2:45 PM

Stefano Alberici, Representative ANIE Rinnovabili  
**Storage and its Applications in the C&I Market: The “Modular”**

3:00 PM

David Gilchrist, Principal Castletown Law  
**Lessons Learned from European C&I Battery Storage Markets – Focus on United Kingdom**

3:15 PM

Matthias Vetter, Head of Department Electrical Energy Storage  
**The Major C&I Storage Applications for Germany - Results from a Survey and Exemplary Installations**

3:30 PM

Juan-Carlos Mejia, Senior Business Development Manager - Industrial Microgrids  
**LDSE as Key Enabler for Resilient Microgrids in the C&I Space**

3:45 PM

Vito Zongoli, CEO SENEK Italia  
**The Opportunities Against the Rising Cost of Electricity**

4:00 PM

Francesco Matteucci, Program Manager Green Technologies European Innovation Council and SMEs Executive Agency (EISMEA)  
 Francesca De Giorgio, Researcher National Research Council Italy  
 Matthias Altieri, Consultant one2zero / Salzburg AG  
 Antonio Ruta, Head of Technical Service LATAM & Italy Jinko Solar  
 Jason Wang, General Manager EMEA Solinteg  
 Emilio Manzoni, Key Account Manager Sungrow Italia  
**Panel Discussion: Best Practices in C&I Energy Storage Deployment Across Europe - Key Applications & Business Cases**

5:00 PM

Matteo Coriglioni, Italian Market Lead Aurora Energy Research  
**Market Outlook and Economics of Storage Systems in Italy**

5:15 PM

Giovanni Buogo, Sales Director Western Europe SOLIS  
**Technological Advancements to Boost the C&I Storage Markets of Today and Tomorrow**

5:30 PM

Letizia Magaldi, Executive Vicepresident Magaldi Green Energy

**Building the way to Net-Zero Heat through innovative Long Duration Thermal Energy Storage technologies**

5:45 PM

Massimo Strozzi, Head of Sales Hypontech Italy

**Innovative Power of Hybrid Inverters - Game Changer for the Solar & Storage Industries**

6:00 PM

**Closing**

THURSDAY 10  
NOVEMBER

14:30 -

18:00

Mimosa Room  
Pav. B6

**Solar and  
Storage**

*Key Energy Event*

[Click here](#)

**Beginning of C&I Energy Storage Era in Europe: Market Assessment, Potentials & Business Models**



Language: English

**Organized by: IBESA**

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**Program**

Key topics covered:

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- What regulations are needed to unlock the segment’s vast potential?
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- Which application areas are most relevant and how can successful business models look like?
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 Antonio Ruta, Head of Technical Service LATAM & Italy Jinko Solar  
 Jason Wang, General Manager EMEA Solinteg  
 Emilio Manzoni, Key Account Manager Sungrow Italia  
**Panel Discussion: Best Practices in C&I Energy Storage Deployment Across Europe - Key Applications & Business Cases**

5:00 PM

Matteo Corigliani, Italian Market Lead Aurora Energy Research  
**Market Outlook and Economics of Storage Systems in Italy**

5:15 PM

Giovanni Buogo, Sales Director Western Europe SOLIS  
**Technological Advancements to Boost the C&I Storage Markets of Today and Tomorrow**

5:30 PM

Letizia Magaldi, Executive Vicepresident Magaldi Green Energy

**Building the way to Net-Zero Heat through innovative Long Duration Thermal Energy Storage technologies**

5:45 PM

Massimo Strozzi, Head of Sales Hypontech Italy

**Innovative Power of Hybrid Inverters - Game Changer for the Solar & Storage Industries**

6:00 PM

**Closing**

THURSDAY 10  
NOVEMBER

16:30 -  
17:30

Piazza della PA  
Pav. D7

**Energy  
transition**

Key Energy Event  
[Click here](#)

## Small Municipalities and Energy Communities: the BeComE project

Language: Italian

### **Organized by: Kyoto Club, Legambiente**

The transposition of the European RED2 Directive, in which energy communities are envisaged, and the funds that the PNRR (2.2 billion) explicitly allocates to the implementation of energy communities in small municipalities, have aroused un great interest in the area. In fact, small municipalities can become a model for revitalization on a new basis, not only of energy production (which does away with fossil fuels), but also of relations, with a view to participation and sharing among citizens and with local governments. For this reason, Legambiente and Kyoto Club with the technical support of AzzerCO2 immediately launched an information campaign joined by important networks of municipalities, such as I Borghi Più Belli d'Italia, I Borghi Autentici Italiani, and I Comuni Bandiere Arancioni del Touring Club. Unfortunately, however, we are facing very serious delays on the part of Arera and the government, which still have not defined the technical modalities and incentives that energy communities will enjoy when fully operational. What can be done in the meantime? How to prepare?

### **Session chairs**

Francesco Ferrante, Kyoto Club vice president

### **Program**

Introduction

Alessandra Bonfanti, Legambiente small municipalities manager

Discussion:

Sandro Scollato, AzzerCO2

Michelangelo Giansiracusa, mayor of Ferla

Mauro Guerra, coordinator Emilia Romagna Borghi più Belli di Italia

Katiuscia Eroe, Legambiente

Maurizio Musio, ERC technical referent Municipality Serrenti SU

Antonio Carrara, mayor Pettorano sul Gizio, AQ

Lorenzo Grilli, mayor Montegridolfo - RN

## Conclusions

Francesco Ferrante

THURSDAY 10  
NOVEMBER

16:30 -  
18:00

Arena Encounters  
of Light (pav. D7)

**Sustainable City**  
Key Energy Event  
[Click here](#)

## Meetings of Light - Smart city: how design changes and the most innovative technological solutions

Language: Italian

### Organized by: AIDI - Italian Lighting Association

Light Encounters returns to the Key Energy. Innovations and technologies are changing the way we perceive and use light in our cities. A scenario where it becomes essential to gain clarity with companies, utilities and designers, representatives of the public administration that throughout the Fair, in the Sustainable City area" in the six talks organized by AIDI (Italian Lighting Association) in collaboration with Key Energy will give us their opinion on the state of play and the future of an increasingly intelligent, interactive and sustainable light. Several topics will be covered: from the increasingly strategic and fundamental role of energy communities and renewable lighting and energy sources to the importance of nature centric lighting design and the opportunities offered by smart cities and smart mobility.

### Program

Moderator: Mariella Di Rao, journalist, Studio Communication & Image

Participants:

Sergio Grimaldi, lighting designer, A3S project

Elisa Belloni, researcher University of Perugia and president AIDI Umbria section

Leonardo Bindi, mayor of the municipality of San Leo (Rimini)

Cecilia Putignano, Engineering & Technical Services manager at City Green Light

Mattias Benvegnù, product manager and designer Lumeltalia

Gianluigi Gereschi, consulting & strategy for Skyy Blue

Marco Galimberti, managing director TranTech srl

### Conclusions



THURSDAY 10  
NOVEMBER

16:30 -  
18:00

Agorà Efficiency  
Pav. B6

**Energy  
Efficiency**

*Key Energy and  
Ecomondo Event*  
[Click here](#)

## The holistic approach to building decarbonization: Energy, Water, Air and Matter

Language: Italian

### **Organized by: Green Building Council Italia**

Combating climate change sees the construction and real estate sectors heavily involved due to their contribution in terms of emissions: they are responsible for more than one-third of global carbon dioxide emissions. As a result, there is a strong interest in managing the de-carbonization of this sector. The holistic approach to this goal allows a comprehensive assessment of the performance of buildings and the built environment in all its components while maximizing the reduction of CO2 equivalent emissions. This approach is the basis of the Minimum Environmental Criteria Decree for public buildings, which in the new version of June 23, 2022, introduces some new elements that reward the supply chain to approach new construction and renovation with a Whole Life Carbon vision.

### **Moderation**

Marco Caffi, Green Building Council Italy

### **Program**

16.30-16.40 Introduction

16.40-17.00

The new building CAMs and full life cycle impact  
Dana Vocino - Ecosystem Foundation

17.00-17.45

The contribution of materials

*Envelope efficiency in the whole life cycle*

Dario Mantovanelli, Wienerberger

*Resource optimization and circularity of envelopes*

Filippo Giovanni Saba, Interface

*Emissions and the healthiness of finishing materials*

Fabrizio Moretti, MP Colorificio

17.45-18.00

The measurement of the environmental impact of materials in the life cycle  
Ugo Pannuti - ICMQ

### **Discussion and closing remarks**

# FRIDAY 11 NOVEMBER

FRIDAY 11  
NOVEMBER

09:30 -  
10:30

Agorà Energy 2  
Pav. D7

**Electric Mobility**  
Key Energy Event  
[Click here](#)

## Toward 2035: the car (and institutions) to the test of decarbonization

Language: Italian

### Organized by: InsideEVs

The year 2035 represents an unprecedented watershed for the auto supply chain, which is called upon to complete the biggest revolution in its history in the coming years. A delicate and complex path, but also full of opportunities for those who will be able to seize them. With one unavoidable condition: to accompany this extraordinary restructuring, institutions will also have to play their part.

### Program

Lars Carlstrom\* - Ceo Italtolt

Simone Marinelli - National Automotive Coordinator FIOM-CGIL

Massimo Nordio - Vice President Group Government Relations and Public Affairs for Italy Volkswagen Group Italia

Alberto Stecca - Ceo Silla Industries

Donato Toma\* - President of the Molise Region

### Conclusions

\*Invitees awaiting confirmation

FRIDAY 11  
NOVEMBER

09:30 -  
11:00

Agorà Efficiency  
Pav. B6

**Energy Efficiency**  
Key Energy Event  
[Click here](#)

## Energy efficiency in buildings indispensable in energy transition



Language: Italian

### Organized by: Kyoto Club

The life of the 110% superbonus has been accompanied by controversy and difficulties that have partly marred its effectiveness without ever addressing some flaws that the measure was inside the law from the start, such as the eligibility of gas boilers among the the "leading" interventions.

But tax deductions have in recent years nevertheless been the only measures that have promoted energy efficiency in buildings despite the fact that our building stock is, for its antiquity, evidently the area where interventions to induce energy consumption would be more effective.

What regulations are needed to enable a sector like the building industry to renew itself (building automation) and contribute strongly to the much-needed energy transition needed to combat climate crisis and build a new decarbonized and sustainable?

**President of Session**

Francesco Ferrante, Kyoto Club vice president, Coordinamento FREE vice president

**Program**

Domenico Prisinzano (Enea)

Monica Frassoni (EUASE)

GB Zorzoli (Italian Association of Energy Economists)

Cecilia Hugony (Teicos)

Riccardo Bani (Teon)

Mario Gamberale (Innovatech)

Annalisa Corrado (AzzeroCO2)

Massimo Marengo (Marengo Group)

**Discussion and closing**

FRIDAY 11  
NOVEMBER

09:30 -  
11:00

Agorà Energy 1  
Pav. B7

**Energy  
Efficiency**  
Key Energy Event  
[Click here](#)

## Energy management and energy diagnosis at the heart of the ecological transition

Language: Italian

**Organized by: FIRE, ENEA**

Energy management and energy diagnosis are key components of an ecological transition process in the industrial and tertiary sectors. The conference will outline their characteristics, potential and applicable regulations. It will then move on to a series of useful energy management experiences to offer guidance on how to intervene in companies and entities to reduce energy demand and cope with high prices.

**Presidents of Session**

Francesco Belcastro, SECEM

Antonio Disi, ENEA

**Program**

I

9.30 Introduction and greetings, Francesco Belcastro, SECEM - Antonio Disi, ENEA

9.45 Energy managers and EGEs at the heart of the energy transition, Dario Di Santo, FIRE

10.00 Energy diagnosis in the industrial and tertiary sectors, Fabrizio Martini, ENEA

10.15 Energy management case study 1, Claudia Vignudelli, Hera

10.30 Energy management case study 1, Cristina Mendes, YKK Mediterraneo

10.45 Energy management case study 1, Michele Santato, EGE

11.00

**Closing remarks**

FRIDAY 11  
NOVEMBER

09:30 -  
11:00

Mimosa Room  
Pav. B6

**Energy  
transition**

Key Energy Event  
[Click here](#)

## Energy Service Companies and Ecological Transition. The leading role of ESCos for the success of Distributed Generation and Energy Communities

Language: Italian

### **Organized by: AssoESCO**

The energy transition is not only through the installation of new renewable plants. Distributed generation together with new forms of self-consumption represent a real revolution in the energy development of territories. Local Communities - understood as an aggregation of administrations, businesses and citizens of a given territory - are at the heart of the change taking place and they need first and foremost someone who knows how to dialogue with them, understand their needs, implement projects, integrate technologies and manage the system effectively, efficiently and corresponding to territorial needs. ESCos, integrating technological, regulatory, financial and behavioral skills, are the natural candidate for this role.

### **Program**

9:30 A.M. - OPENING

Simona FERRARI, vice chairman AssoESCO

9:35 A.M. - REPORT

Giacomo CANTARELLA, Head of Technical Committee Energy Communities and Flexibility Services AssoESCO

"The development of energy communities: the proposals of AssoESCO"

9:50 - DISCUSSANT

Gabriella DE MAIO, IFEC Coordinator and Professor of Energy Law University Federico II Naples

Marco RAUGI, Professor of Sustainable Energy Communities and Pro-Rector for Applied Research and Technology Transfer University of Pisa

10:05 A.M. - DEBATE

Fabio ARMANASCO, Head of the project Energy Communities and Collective Self-consumption RSE

Andrea GALLIANI, Deputy Director Wholesale Energy Markets and Environmental Sustainability Directorate ARERA

Giada MAIO, Head of Energy Office, Sustainable Mobility and Local Public Transport ANCI \*

Giovanni PUGLISI, Director of Systems, Projects and Services Division for Energy Efficiency Enea

10:45 A.M. - **CONCLUSION**

Vittorio COSSARINI, President AssoESCO

FRIDAY 11  
NOVEMBER

09:30 -  
11:30

Tulipano Room  
Pav. B6

[Click here](#)

## Ten-year Assoege event. The Energy Management Expert and the Energy Transition

Language: Italian

### Organized by: AssoEGE

The Association of Energy Management Experts (AssoEGE), on the occasion of its second five-year anniversary, is organizing a conference entitled "The Energy Management Expert and the Energy Transition." The purpose of the meeting is to explore what contributions EGEs have made to improve the country's energy efficiency and how their role could grow in quality and quantity in the future, taking into account the exceptional challenge of the energy transition.

### Session Chairs:

Michele Santovito

Andrea Tomiozzo

### Program

9:30

Michele Santovito - President Assoege

Opening remarks and welcome

9:40

Marcello Salvio - ENEA

The role of the EGE for the development of energy efficiency of production sectors

10:00

Paola Fazio - Assoege Member

Experience of an EGE in the Public Administration sector: some case histories

10:15

Marianna Benetti - Assoege Member

Experience of an industrial EGE operating in Italy and Germany: activities and comparisons of the same activity in two European countries with EN16247

10:30

Deborah De Angelis - Assoege Member

The Energy Management System over time. Critical issues and new stimuli for companies certified for more than 10 years.

10:45

Adriano Tiberi - Assoege Member.

Case history - Energy Diagnosis in the offices of the Department of Prison Administration

11:00

Andrea Tomiozzo - Vice President Assoege

Review of Assoege's activities over the past 10 years

11:15

### Questions and discussion

FRIDAY 11  
NOVEMBER

09:30 - 13:30

Gardenia Room  
Pav. D7 East Hall

**Electric Mobility**  
Key Energy Event  
[Click here](#)

## E-mobility today: obligations and opportunities for the electric professional

Language: Italian

### **Organized by: NT24 - The Electrical Installer's Journal**

The world of electric mobility today calls for a review of the professional skills of all players in the electric supply chain. Indeed, the management of charging infrastructure, connection to the National Electric System and the protection of facilities offer an important business opportunity, as long as one is aware of the rules and technological evolution.

### **Session Chairs**

Massimo Gamba, Freelancer, Electrical systems designer since 1994, Specializing in photovoltaic systems and electric vehicle charging infrastructure

### **Program**

#### **Introduction and welcome**

- Regulatory and legislative overview of the automotive sector;
- Electric and hybrid cars: characteristics, market, future developments;
- Legislative obligations to prepare charging infrastructure;
- IEC Standard 64-8 Variant 5 Section 722 "Power supply of electric vehicles";
- Fire Department Guidelines for electric vehicle charging infrastructure;
- Practical examples in residential/public/tertiary settings;
- Operation/maintenance/audits of charging facilities.

#### **Discussion and closing**

FRIDAY 11  
NOVEMBER

10:00 -  
13:00

Stand H2IT Pav.  
B7

**Hydrogen**  
Key Energy Event  
[Click here](#)

## H2Talk - "Hydrogen, Ready to Go. Italian projects": H2IT report on hydrogen refueling stations; deployment scenarios

Language: Italian

### **Organized by: H2IT**

The hydrogen theme has now become mainstream in industry, in the world of research, and at the institutional level: which players have already launched concrete projects? The appointments will present several ongoing Italian initiatives, in order to fully understand the commitment of companies and entities in developing concrete projects in the short term. Through the narrative of companies and territorial entities, the sectors most involved, the opportunities encountered in the implementation of hydrogen technologies and what difficulties will be illustrated.

### **Program**

Organized by Prof. Domenico Borello, Full Professor of Energy and Environmental Systems, University of Rome La Sapienza

Luigi Migliorini, CEO and Founder, Enphos

Vittorio Conte, Sales & Business Development, ILT ENERGIA SRL

FRIDAY 11  
NOVEMBER

10:00 -

13:00

Smart Utility Hub

Area Pav. D7

[Click here](#)

## Talk - Hydrogen, Agroenergy, Network Integration

Language: Italian

### Organized by: Smart Utility Hub

#### Innovation Investment Development Research

The world of utilities confronts each other at KeyEnergy in the space conceived by Energia Media according to a format consolidated over time within national and international events. A talk, networking and co-working area dedicated to the topics of innovation in Energy and Utility, organized in collaboration with leading innovative companies, utility companies, associations, PA and research organizations. An intense program of talks will be presented over the 4 days of the fair, with outstanding guests called upon to debate highly topical issues, discuss development models and plans, and present case histories and best practices. For the evolution of utilities, effective efficiency plans in public and private spheres, for the transformation of cities and territories into Smart City and Smart Land. A space set up for one-to-one meetings, designed to facilitate the meeting between operators, with a strong imprint oriented to communication and content dissemination.

### Program

#### **10:00 a.m. - 11:30 a.m. / Integrated Power Generation, Distribution and Smart Grid.**

*Hydrogen: supply chain development and demand creation in different areas: grid feeding,*

*transportation, industrial area remediation*

#### **11:30 a.m. - 12:30 p.m.**

*Agroenergy and Agrisolar*

#### **12:30 - 1:00 p.m.**

*Closing remarks Smart Utility Hub*

### Conclusions

FRIDAY 11  
NOVEMBER

11:30 -  
13:00

Agorà Energy 1  
Pav. B7

**Electric Mobility**  
*Key Energy Event*  
[Click here](#)

## Private charging in apartment buildings and businesses: the high road to the development of mass electric mobility



Language: Italian

**Organized by: Vaielettrico**

In daily use, the electric vehicle must be able to recharge at times and places where it is parked for a long time. That is, at homes, in condominium spaces and car garages, or in company parking lots, at workplaces. However, the spread of private charging requires on the one hand a decisive awareness on the part of users (property owners, condominium managers, fleet managers), and on the other hand a dedicated offer from mobility service providers and suppliers of increasingly advanced and focused hardware. Even in anticipation of an extension of benefits such as the 110% Superbonus, therefore, there is an urgent need for synergistic contact among all players in the new ecosystem.

### Session Chair

Massimo degli Esposti, Vaielettrico

### Program

Francisco Abecasis - Regional Director Southern Europe (WALLBOX)

Jean Luc Angeli - Account Manager (Alba Leasing)

Osvaldo Mangone - Delegate for electric mobility (ANACI - National Association of Condominium and Real Estate Administrators)

Diego Trabucchi - Head of Italy (CHARGE GURU)

Gabriella Formigari - eMobility business development manager (A2A)

Omar Imberti - E-Mobility group coordinator (ANIE Federazione)

Roberta Arosio - Proposal Engineer (SIMET-Enercom Group)

### Conclusions



FRIDAY 11  
NOVEMBER

11:30 -  
13:00

Agorà Efficiency  
Pav. B6

**Energy  
Efficiency**  
*Key Energy and  
Ecomondo Event*  
[Click here](#)

## Urban regeneration: the synergy of the city scale for the ecological transition of the built environment

Language: Italian

### **Organized by: Green Building Council Italia**

In the recent period we are witnessing a proliferation of individual building redevelopment actions, driven by incentive measures. This initiative is often confused as urban regeneration action. Urban regeneration is not simply the redevelopment of blighted buildings or reconstruction in an abandoned area. Urban regeneration is an action that also involves the cultural and social spheres, the ultimate goal of which is to give back to citizens an area that can be experienced to the fullest, both environmentally and culturally. The goal of urban regeneration is to help make cities sustainable and more people-friendly, limiting the consumption of land and building land by exploiting the energy, environmental and social synergies that the network of buildings and infrastructure can generate.

### **Moderation**

Marco Caffi, Green Building Council Italy

### **Program**

11:30-11:40 Introduction

11:40-12:00

The dimension of urban regeneration

Andrea Boeri - University of Bologna

12:00-12:20

Reinventing Cities, the experience of C40 cities

Manuela Ojan - AMAT Milan

12:20-12:40

The role of multi utilities in urban regeneration

Michela Lampone - A2A

12:40-13:00

Energy synergies at the city scale

Alessandro Lodigiani - R2M

### **Discussion and closing remarks**

FRIDAY 11  
NOVEMBER

11:30 -  
13:00

Mimosa Room  
Pav. B6

**Energy  
Efficiency**  
*Key Energy Event*  
[Click here](#)

## Energy efficiency in small and medium-sized enterprises. State of the art, barriers, incentives and proposals

Language: Italian

### **Organized by: ENEA**

Article 8 paragraph 10b of Legislative Decree 102/2014 entrusts ENEA with the task of developing and implementing, in consultation with MITE, an awareness and assistance plan for SMEs to carry out energy diagnoses at their production sites. The event is the fifth stage of the SME Awareness Plan, in which ENEA will meet companies, stakeholders, trade associations and public administrations in order to discuss technical and economic barriers related to the implementation of energy efficiency policies. Proposals and tools useful for SMEs to overcome these barriers will be discussed, and at the same time solutions useful for achieving the energy transition of production sectors will be evaluated with policy makers. A session of the National Observatory on Energy Efficiency in SMEs implemented within the framework of the H2020 LEAP4SME project will be organized within the work; contributions and insights from participants will be welcome within the Observatory.

### **Session Chair**

Giovanni Puglisi, ENEA

### **Program**

9.30 Welcome and introduction to the proceedings Giovanni Puglisi, ENEA

9.45 Introductory speech Emilia-Romagna Region on energy efficiency for SMEs  
Attilio Raimondi, Emilia-Romagna Region (TBC)

10.00 The Awareness Plan for SMEs under Art. 8 paragraph 10b D. Lgs. 102/2014  
Marcello Salvio, ENEA

11.00 Analysis, barriers and support measures for SMEs in Italy: the findings of the  
LEAP4SME project  
Enrico Biele, ENEA

12.25 The point of view of sector operators and companies

Participants:

Simona Ferrari, ASSOESCO,

Marco Bergaglio, PLASTIC RUBBER FEDERATION

Gualtiero Corelli, ASSOFOND

12.50 Question time

### **13.00 Closing**

FRIDAY 11  
NOVEMBER

11:30 -  
13:00

Agorà Energy 2  
Pav. D7

**Energy  
transition**

Key Energy Event  
[Click here](#)

## Small municipalities and Energy Communities, where do we stand?



Language: Italian

### **Organized by: I Borghi più Belli d'Italia**

Renewable Energy Communities are growing in number, despite critical regulatory issues and slowdowns in support initiatives. About a year after the first pilot experiences, we take stock of the territories and regulatory developments (in addition to the PNRR thematic call, several regions have defined specific laws and issued calls for facilities). An overview of some ongoing experiences in hamlets and small municipalities will be equally presented, in light of the increase in energy spending; together with CERs seen as a tool, as relevant as ever, to combat energy poverty.

### **President of session**

Mauro Guerra, Coordinator Borghi più Belli Emilia Romagna

### **Program**

Introduction and welcome

Fiorello Primi, President Borghi più Belli d'Italia

What models of energy communities?

Alessandro Rossi, ANCI

Criticalities and Potentialities of CERs in Emilia-Romagna: the Clust-ER Greentech survey

Sara Donati, Clust-ER Greentech

Linda Volta, PhD, ENEA

BeComE, The energy transition of small municipalities.

Alessandra Bonfanti, Legambiente small municipalities manager

Morro d'Alba's Path to Energy Community.

Mayor Enrico Ciarimboli, Dr. Daniela Patrucco

Energy communities among corporations and nonprofits

Andrea Baldanza, Magistrate of the Court of Auditors

Photovoltaic roof tiles and shingles: energy and aesthetics without compromise

Andrea Visentin, Director Components Division of Cotto Possagno

Hydroelectric Plants on Aqueduct: Energy and Respect for the Environment

Rufino Servettini, Enerstar renewable energy

### **Discussion and closing**

FRIDAY 11  
NOVEMBER

14:30 -  
17:00

Agorà Efficiency  
Pav. B6

[Click here](#)

## Energy Communities and Collective Self-Consumption. Energy independence and the centrality of citizens and SMEs toward a new energy market

Language: Italian

### **Organized by: LS Lexjus Sinacta**

LS Lexjus Sinacta is a national association made up of more than 150 professional lawyers and certified public accountants who have been working in its territory for more than 40 years at its nine offices in Bari, Bologna, Brescia, Florence, Lecco, Milan, Padua, Rome and Turin. [www.lslex.com](http://www.lslex.com)

FocusPMI, the annual Observatory on Italian small and medium-sized enterprises, is a meeting moment promoted by LS Lexjus Sinacta with the aim of stimulating discussion among authoritative figures from the economic, financial and political worlds by proposing topical insights in order to highlight the common needs of small and medium-sized entrepreneurs in Italy. This year, the 12th edition of FocusPMI centered on Energy Communities finds its natural space at the Key Energy Expo in Rimini.

The topic of Energy Communities and collective self-consumption was introduced by EU Directive 2008/2001 of December 2018, which was implemented by Legislative Decree No. 199 of Nov. 8, 2021. The purpose of this legislation is the promotion of forms of energy from renewable sources, which is one of the energy policy objectives of the European Union, an objective whose topicality will not escape anyone in the dramatic context we are experiencing. The need to push on renewables rather than gas, moreover reinforced by the need to reduce the country's energy dependence on foreign suppliers, is combined with the benefits that a new energy market, created by consumer groups and renewable energy communities, can bring to the SME system and households.

### **Program**

2:30 pm

Opening remarks and greetings

Franco Casarano, President LS Lexjus Sinacta

2:45 pm

Round table

Moderator: Morya Longo of Il Sole 24 Ore

**Speakers:**

Giuseppe Petronio, GSE Gestore dei Servizi Energetici spa - Business Promotion and Assistance Function

Andrea Galliani, ARERA Regulatory Authority for Energy Networks and Environment - Deputy Director of the Directorate for Wholesale Markets and Environmental Sustainability

Carlo Maria Salvemini, ANCI National Association of Italian Municipalities - Delegate on energy issues and Mayor of Lecce

Marco Dettori, ANCE National Association of Building Contractors - Delegate councilor for ecological transition

Marco Frey, Full professor of business economics and management at the Scuola Universitaria Superiore Sant'Anna in Pisa - President of the Global Compact Italy Foundation

Marco Dugato, Full Professor of Administrative Law at the University of Bologna and holder at the School of Specialization in Public Administration Studies (SPISA) - Of Counsel LS Lexjus Sinacta

Marco Ribaldone, President ASSOCOND Italian Condominium Association - Partner LS Lexjus Sinacta

Daniele Domanin, National Presidential Advisor Confcooperative Consumo e Utenza  
Don Bruno Bignami, Director of the National Office for Social Problems and Labor of the Italian Episcopal Conference

Alessandro Becce, Amministratore Delegato F2i Holding Port S.p.A

Lorenzo Spadoni, CEO AEB - A2A Group, President AIRU Italian Urban Heating Association

Sebastiano Ambrogio - Head of Renewable Energy Community Business Unit - Enel Green Power and Thermal Generation

**Conclusion**