KEY-The Energy Transition Expo 2026

04/05/06 March 08 April 25 June

Legend

- EME - eMobility Expo
- Eventi espositori e partner
- Green Jobs & Skills
- Tematiche trasversali

Wednesday 4 March

Wednesday 4 March
10:00 - 11:00

Diotallevi 1 Room South Hall

Exhibitors and partners events
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High Voltage: Sustainable evolution that does not sacrifice performance. 100% power, 0% SF6

Organized by: Hitachi Energy Italy SpA

Language: Italian

In this session, experts from Hitachi Energy will present the technology developed by the company, already installed worldwide, which does not contain sulfur hexafluoride (SF6) and has proven to significantly reduce the carbon footprint throughout its entire lifecycle.

The European decarbonization strategy foresees a major shift in high-voltage electromechanical technologies to support grids and integrate renewable energy sources. The new European regulation on F-GAS requires the replacement of current high-voltage (HV) technologies with green technologies, without SF6.

Technology manufacturers and users will be called upon to collaborate and plan the technological transition. Hitachi Energy supports a sustainable energy future for all, enabling customers and the market to quickly switch to eco-efficient solutions.

Program

10.00 Welcome

10.10 *High Voltage: Sustainable evolution that does not sacrifice performance. 100% power, 0% SF6*
Giovanni Zona, Product Qualification Manager

10.50 Q&A

Wednesday 4 March
14:30 - 16:00

Tiglio Room, pav. A6

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Preparing for the future: the skills needed to work and do business in new mobility

Organized by: Motus-E, Rete di scuole per la mobilità

Language: Italian

The transition towards new mobility, between digitalization and new powertrains, requires unprecedented skills and adequately trained professionals. In a rapidly evolving context, illustrated by experts from the energy and automotive world, the panel will explore which profiles will be most in demand by the industry in the coming years and how to orient training and study paths to prepare professors and students to face the greatest technological transformation in the history of the automotive sector.

Wednesday 4 March
15:00 - 16:00

Rinnovabili Hub, Pav. 220-A7

Cross-cutting topics
Click here

Energy for Space or Space for Energy?

Organized by: BEX – Beyond Exploration Expo, in media partnership con Rinnovabili.it

Language: Italian

Space exploration requires energy availability for access to space, orbital stations, satellites, and to enable long-term human stays on lunar and planetary surfaces. On the other hand, space exploration aims to find resources, including energy resources, to be used on-site and transferred to Earth. These needs are conflicting or could be integrated and made synergistic.
The panel explores the bidirectional relationship between energy and space, highlighting both technological and strategic challenges and the most concrete opportunities for businesses: emerging projects, supply chains, and business models where public and private sectors can collaborate, leveraging the cross-cutting impacts of the New Space Economy, starting from the energy sector. It is in this scenario, where traditional industry and new non-space actors find common ground, that Beyond Exploration (BeX) is born, the new hub for dialogue between industry, research, and institutions dedicated to the European space economy.

Program

Moderator:
Matteo Spagnolo, Rinnovabili.it

Debate "Energy and space": emerging projects and supply chains
Girolamo Di Francia, ENEA, Head of the Energy and Data Science Laboratory (TERIN-SSI-EDS)
Simone Pirrotta, ASI, Science and Innovation Directorate - Exploration and Orbital Infrastructures Office
Elena Bonacini, BEX Beyond Exploration
Massimiliano Arceri, ESA ACCESS Programme
Beatrice Barresi, ESA ACCESS Programme

Presentation of business opportunities for companies

Presentation of the program and some specific use cases on the energy theme
Beatrice Barresi, ESA ACCESS Programme

Presentation of the new hub dedicated to the Space Economy
Elena Bonacini, BEX Beyond Exploration

Q&A

Thursday 5 March
10:00 - 11:30

Tulipano Room, pav. B6

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Cybersecurity for the energy transition: Ensure Resilience and Operational continuity adopting Flexible architectures in compliance with IEC 62443 and NIS2 directive

Organized by: Schweitzer Engineering Laboratories

Language: Italian

The energy transition and the integration of renewable sources are transforming industrial infrastructures and smart grids, making cybersecurity a key element to ensure resilience and business continuity. The adoption of IEC 62443 standards and the NIS2 directive is essential to protect OT and IT systems in an increasingly interconnected environment. In this session, we will explore advanced technical solutions such as Software Defined Networking (SDN) for micro-segmentation and traffic isolation, and containerization with Docker to simplify service management.
We will present architectural models and use cases that demonstrate how regulatory security, operational flexibility, and support for decarbonization goals can be successfully combined, enabling the secure integration of renewables and intelligent grids.

Limited seats, registration required: **Agenda and Registration**

Program

10:00 Attendee Registration

10:15 Technical Session
Presenter:
Giorgio Vielmini, Regional Technical Manager

11:15 Q&A / End of Session

Thursday 5 March
10:00 - 11:00

Diotallevi 1 Room South Hall

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Plug, Play & Predict: The evolution of mobile and intelligent substations for high voltage grid connections

Organized by: Hitachi Energy Italy SpA

Language: Italian

In the context of the ambitious European decarbonization strategy, speed of execution has become the new parameter for success. The massive integration of Renewable Energy Sources (RES) requires a paradigm shift: it is no longer enough to design efficient grids, it is necessary to 'energize as soon as possible.'

In this session, Hitachi Energy experts will present how mobile substation technology has evolved from an emergency solution to a strategic pillar for grid growth. Thanks to flexible, ecological, and now fully intelligent solutions, Hitachi Energy enables its partners to overcome typical supply chain bottlenecks and bureaucratic delays, ensuring rapid connections and dynamic management of the project pipeline.

Program

10.00 Introduction

10.10 *Plug, Play & Predict: The evolution of mobile and intelligent substations for high voltage grid connections*
Giulia Manganotti, Bid, and Proposal Management, Hitachi Energy Italy SPA
Ciro Scala, Software Tools & Applications Sales Expert, Hitachi Energy Italy SPA
Alessandro Pedretti, Business Development, Hitachi Energy Italy SPA

10.50 Q&A

Thursday 5 March
11:15 - 12:00

Vision Arena, Pad. D3

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Quality, data and innovation for renewable and intelligent energy sources

Organized by: Syniergy e TÜV Italia

Language: Italian

The energy transition requires increasingly integrated, secure and certifiable solutions. TÜV Italia and Syniergy present an advanced model of industrial Owner's Engineering, combining engineering, independent verification and digitalization throughout the entire lifecycle of energy assets.
The seminar explores developments in the fields of renewable energy, BESS energy storage systems, green hydrogen and agrivoltaics, highlighting how reliable data, structured processes and digital tools can enhance project quality, performance and bankability.
The event is aimed at developers, investors, EPCs and industry operators seeking to address the growing complexity of the energy market in a robust and transparent manner.

Program

11:15 Introduction
Presentation of the context and objectives of the seminar – TÜV Italia and Syniergy

11:20 *From project to asset: integrating design, data and performance in renewables*
Overview of the Syniergy approach: structured processes, digitalization and data management for complex assets – Syniergy

11:35 *Quality, inspections and certification in renewable energy and green hydrogen*
TÜV Italia contribution on safety, compliance and continuity of quality throughout the plant lifecycle – TÜV Italia

11:50 Q&A and closing

Thursday 5 March
11:45 - 13:00

Tulipano Room, pav. B6

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Power systems resilience: Strategies and technologies to safely integrate energy storage systems and renewables while maintaining system stability and compliance with Grid Codes

Organized by: Schweitzer Engineering Laboratories

Language: Italian

The rapid transition toward non-dispatchable renewable energy sources is transforming electric power systems. As photovoltaic solar plants, wind generation, and battery energy storage systems expand, traditional grid management faces new challenges: reduced system inertia, transient instability, and more complex coordination of black-start capabilities after widespread outages or catastrophic events.
Owners and operators of renewable plants and storage assets must meet Grid Code requirements, ensure operational continuity, and optimize O&M through power network digitalization. In this session, we show how Schweitzer Engineering Laboratories' protection, control, and automation technologies enable seamless grid integration of storage systems, photovoltaic plants, and wind farms (Grid Code compliance) without compromising cybersecurity. These solutions help maintain stability and flexibility and support regional and national restoration after major outages by leveraging distributed renewable resources and improving reliability during recovery. Our solutions help utilities, industries, and critical infrastructures sustain operational continuity, maximize energy resilience, and ensure Grid Code compliance, turning complexity into a competitive advantage.

Limited seats, registration required: **Agenda and Registration**

Program

11:45 Attendee Registration

12:00 Technical Session
Presenter:
Roberto Costa, Senior Engineering Director – Europe

12:45 Q&A / End of Session

Thursday 5 March
12:00 - 12:45

Su.Port Arena, pav. B3

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CO_2 Capture, Transport and Storage: Industrial Technologies and Models for Decarbonization

Organized by: SAIPEM

Language: Italian

The approach to climate change requires a paradigm shift in industry, combining reduction in CO_2 emissions with sustainable decarbonization pathways for hard to abate producers. While the EU, has included CCS (Carbon Capture and Storage) within the Clean Industrial Deal, its actual role in decarbonization depends on enabling de-risking by defining clear conditions favorable to final investment decisions, harmonizing cross-border standards, streamlining permitting processes and fostering social acceptance to ensure a transparent and shared infrastructure deployment.
Italy is positioning itself as a technological leader in implementing carbon management, balancing industrial competitiveness with environmental objectives. The country's CCS prospects focus on its role as a strategic hub in the Mediterranean, with the Ravenna CCS project serving as its operational core. By leveraging depleted gas fields in the Adriatic, Italy aims to store millions of tons of CO_2, providing a vital lifeline for hard-to-abate sectors such as cement and steel. The progressive development of a national regulatory framework and the integration with new transport networks are accelerating the creation of a national infrastructure.

During the event, after a brief introduction to the development and maturity of CCS technologies, a roundtable discussion with industry experts and developers will discuss the prospects, challenges, and opportunities of CCS in Italy.

Program

12:00 Introduction
CCS Technologies and key trends in global CCS deployment
Silvia Gentilucci, Technology Innovation Manager, Saipem

12:10 *Round Table*
Moderator:
Maurizio Melis, Science Journalist

Speakers:
Caterina Molinari, Senior Manager CCS Coordination, Snam
Andrea Marceglia, Development Project Manager of Ravenna CCS Fase 2 Project, ENI
Silvia Gentilucci, Technology Innovation Manager, Saipem

12:35 Q&A and Closure

Thursday 5 March
14:30 - 16:00

Ravezzi 2 South Hall

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Energy Communities Beyond Borders: Scalable Models from the Western Balkans

Organized by: Regione Emilia-Romagna, ART-ER

Language: English

Emilia-Romagna Region and its development agency ART-ER are implementing the EU (DG REGIO)-funded project “Better Cohesion through Development of Energy Communities in the Western Balkans”, which supports the energy transition of five Western Balkan countries — Serbia, Bosnia and Herzegovina, Montenegro, Albania and North Macedonia — by promoting energy communities as a practical driver for territorial cohesion, empowering citizens and local institutions to shape their own sustainable future.
The conference aims to explore the state of the art of community-driven renewable energy solutions in the Western Balkans through the voices of some of the communities supported by the project. The event focuses on the state of enabling institutional frameworks at national level, the increasing interest of local communities towards energy sharing, and innovative governance models.

Program

Moderator:
Fabrizio Tollari, ART-ER

EU regional authorities supporting REC experiences as part of the pre-accession process in the Western Balkans
Veronica Lenzi, Regione Emilia-Romagna

Participatory and governance models of the Western Balkans RECs:
experiences and perspectives of projects funded under "Better Cohesion through Development of Energy Communities in the Western Balkans"
North Macedonia: Belica Renewable Energy Community (Association for Belica Community Development
Albania: Establishment of 5 Renewable Energy Communities in the Municipality of Permet (Environmental and Territorial Management Institute)
Bosnia and Herzegovina: Bosnia and Herzegovina Renewable Energy Community - BiHREC (Sarajevo Economic Regional Development Agency)
Montenegro: RECME2 (Enfidal)
Serbia: Medijana REC - Citizen Shared Energy (Platform for Energy Transition)

Regulatory evolutions for RECs and investing opportunities in the energy sector in the Western Balkans
Mariam Darchia, Energy Community

Q&A and conclusions

Thursday 5 March
14:30 - 16:00

Solar&Finance Arena, pav. B5

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Türkiye's Energy Transition and Investment Outlook: Opportunities for Italian – Turkish Collaboration Toward COP31

Organized by: Invest in Türkiye

Language: English

Türkiye is currently the third-largest electricity consumer in the region including Europe, and demand is expected to increase by nearly 50% over the next decade. Almost all of this additional demand is planned to be met through renewable and clean energy technologies, reflecting the country's strong commitment to decarbonization and energy security. This transformation is driving rapid developments in generation capacity, grid modernization, equipment manufacturing, and supporting technologies - creating a wide range of energy investment opportunities.
Against this backdrop, Türkiye's role as host of COP31 in 2026 further underscores the country's ambition to position energy transition and climate action at the center of its economic and investment agenda. COP31 will provide a global platform to showcase Türkiye's renewable energy roadmap, emission-reduction efforts, and investment-driven approach to achieving its long-term climate goals.

The panel will highlight Türkiye's renewable energy roadmap, its regulatory and policy framework, and the emerging opportunities for investors in areas such as wind, solar, battery storage and EV charging infrastructure, as well as the fast-growing equipment and component industries that underpin the green transition.
The discussion will explore how Italian and Turkish stakeholders can build on these trends through energy investments, complemented by technology transfer and joint production partnerships, to accelerate clean energy deployment and strengthen bilateral cooperation.
The session will feature four panelists and one moderator, combining Turkish and Italian representatives from the energy industry and public institutions to share insights and identify practical avenues for collaboration in Türkiye's clean energy transformation.

Program

14.30 Welcome & Opening Remarks
Gino Costa, Country Advisor, Investment and Finance Office of the Presidency of the Republic of Türkiye – Invest in Türkiye

14.35 *Strategic Perspectives on Italy–Türkiye Economic Cooperation*
Mehmet Özöktem, Consul General of Türkiye

14.45 *Türkiye's Economy and Business Environment Today*
Alfredo Nocera, Country Advisor, Investment and Finance Office of the Presidency of the Republic of Türkiye – Invest in Türkiye

14.55 *Türkiye's Renewable Energy Market: 2035 Targets and Investment Opportunities*
Rauf Fırat Yaşar, Project Manager, Investment and Finance Office of the Presidency of the Republic of Türkiye – Invest in Türkiye

15.15 ***Panel Discussion***
Türkiye's Energy Transition and Investment Outlook: Opportunities for Italian-Turkish Collaboration Toward COP31
Moderator:
Giuseppe Paladino, CostaCVConsulting

Panelists:
Egemen Tümtürk, Vestel Mobility
Federico Brucciani, Italia Solare
Cem Aşık, IC Enterra

15.45 Open Discussion, Key Takeaways & Closing Remarks

Thursday 5 March
16:30 - 18:00

Solar&Finance Arena, pav. B5

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Dual harvest, double trouble: Tackling EPC barriers in agrivoltaics design

Organized by: PV magazine

Language: English

Agrivoltaics is more than simply placing solar panels on farmland or letting livestock roam around conventional installations. It is about creating powerful synergies between energy generation and agricultural production, while maximizing land productivity, boosting farm resilience, and advancing both food and energy security.
In this moving landscape, developers and EPC contractors face growing design complexities, requiring innovative, practical, and cost-effective solutions to make these systems viable and scalable. Although the market seems to offer advanced technological solutions, the Agrivoltaic sector is still far from standardizing its products, technologies, and processes for plant development and construction.
In this session, we will discuss all technical and engineering challenges from a European perspective, with representatives of key international players explaining how most of the current issues can be addressed. We will also discuss which agricultural products to select for projects, focusing particularly on agronomic considerations rather than energy assessments.

The panel will discuss about critical issues in agrivoltaics project planning and construction.
- Potential innovative technologies to improve the efficiency and yield of agrivoltaic systems
- Integrating agrivoltaics with different crop types and their agronomic benefits
- Hybridization with energy storage systems and other renewable technologies
- Future challenges and opportunities for the sector in Italy
- Analysis of economic prospects and cost-reduction strategies

Program

Moderators:
Emiliano Bellini, News Director, pv magazine Global
Sergio Matalucci, Editor in Chief, pv magazine Italy

Introduction
Presentation of the session and objectives
Overview of the Agrivoltaic market in Italy and Europe

Institutional presentation on the state of the art on Agrivoltaic technology
Raffaele Rossi, SolarPower Europe

EPC challenges in European agrivoltaics
Lennart van Walsum, Global Solar Council

EPC challenges in Italian agrivoltaics
Rolando Roberto, Italia Solare

Panel discussion with:
Giuseppe De Benedictis, Goldbeck Solar
Alejandro Cardona, Soltec
Valerio Natalizia, ECO The Photovoltaic Group
Sascha Krause-Tünker, Next2Sun

Thursday 5 March
16:30 - 17:30

Innovation Arena, pav. D4

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Installer Award Italy Ceremony & Networking Event

Organized by: IBESA

Language: English

EUPD Research continuously tracks and updates its database of TOP Installers and will bring the Italian awards project to Rimini once more.
Have a relaxing and invigorating second day at KEY 2026, celebrate excellence in the Italian solar PV industry, and network with leading installers.
This exclusive networking event hosted by EUPD Research and KEY is aimed at Italy's top solar and storage installers in the business.