



KEY ENERGY

26-29 OCTOBER 2021

RIMINI EXPO CENTRE - ITALY

Organized by
**ITALIAN
EXHIBITION
GROUP**
Providing the future

In collaboration with



ITCA
ITALIAN TRADE AGENCY

Simultaneously with

ECOMONDO
THE GREEN TECHNOLOGY EXPO



Leading the energy transition.

KEY ENERGY is an international showcase of integrated technologies, services and solutions to promote and speed up the process of energy transition to a carbon-neutral economy.

KEY ENERGY is the key show for Italy and the Mediterranean basin for technologies to produce energy from renewable sources, storage systems, energy efficiency for industry and buildings, urban regeneration, smart grids, electric and sustainable mobility, efficient lighting, digitisation in the Public Administration and technologies to develop the Adaptive City.

KEY ENERGY is the platform that promotes meetings and dialogue between companies, the market, public administrations, financial institutions, multiutilities, energy managers and other stakeholders, to make the most of the opportunities offered by business and economic and social growth, also in relation to possible investments resulting from the funds made available by Next Generation EU for the development of the National Recovery and Resilience Plan (NRRP).

The show, in its traditional physical format, will be supplemented in 2021 with the innovative digital platform, already tried and tested last year, in order to multiply business and meetings opportunities.

ROAD TO KEY ENERGY 2021

DIGITAL
GREEN
WEEKS

The new development for 2021 is the Digital Green Weeks project, five digital appointments conceived by Key Energy, a programme packed with events and business meetings, to explore the new energy transition scenarios that will take centre stage at the physical show this year.

Each appointment will focus on some of the key themes explored at KEY ENERGY, facilitating contact between associations, businesses, policy makers, research groups, sustainable companies and national and international buyers.

Five unmissable opportunities for networking, B2B meetings and conventions, when the energy transition community can forge virtual relationships and discuss topical themes, ahead of seeing each other again at the show in October.

Here is the calendar of appointments:

23-25 MARCH | WEEK 1

Green Revolution &
Energy Transition

8-10 JUNE | WEEK 4

Climate change &
Environmental protection

27-29 APRIL | WEEK 2

Sustainable City &
Low carbon economy

21-23 SEPTEMBER | WEEK 5

Next generation EU Road to
Ecomondo & Key Energy Physical Edition

18-20 MAY | WEEK 3

Blue Economy - E-Mobility

A 3D rendering of a floating island with wind turbines and solar panels. The island is a small, irregularly shaped piece of land with green grass and a few trees. It is suspended in the air, with a dark, rocky base visible underneath. Several wind turbines are scattered across the island, and several solar panels are mounted on stands. The background is a bright orange sky with a few birds flying.

Highlights 2021

RENEWABLE SOURCES

The national and international scenario
Utility-scale solar installations and PPAs
Energy communities, prosumers
Solar and wind revamping
Floating power plant
Storage systems
Hydrogen: electrolyzers, fuel cells, use of H2 in industry

ENERGY EFFICIENCY

Focus on superbonus 110% measures
ESCOs and white certificates
Industry 4.0 (hyper-depreciation)
Deep renovation in buildings
Financial services

SUSTAINABLE CITY

Smart buildings
Digitisation
Efficient and connected street lighting
Adaptive cities

SUSTAINABLE MOBILITY

E-mobility
Shared and smart mobility
Infrastructure
Other fuels (hydrogen, CNG, LNG, LBG)

Information, training and scenario

Key Energy's packed programme of conventions exploring the most topical themes makes it an essential opportunity to capitalise on training and professional updates.

The Scientific Technical Committee led by Professor Gianni Silvestrini comprises representatives of the main national and international institutions and trade associations, organisations and foundations, research centres and universities.

The 2021 conventions programme explores technological innovations, financial models and organisational solutions that can smooth Italy's path to meeting the ambitious European objectives set for 2030.

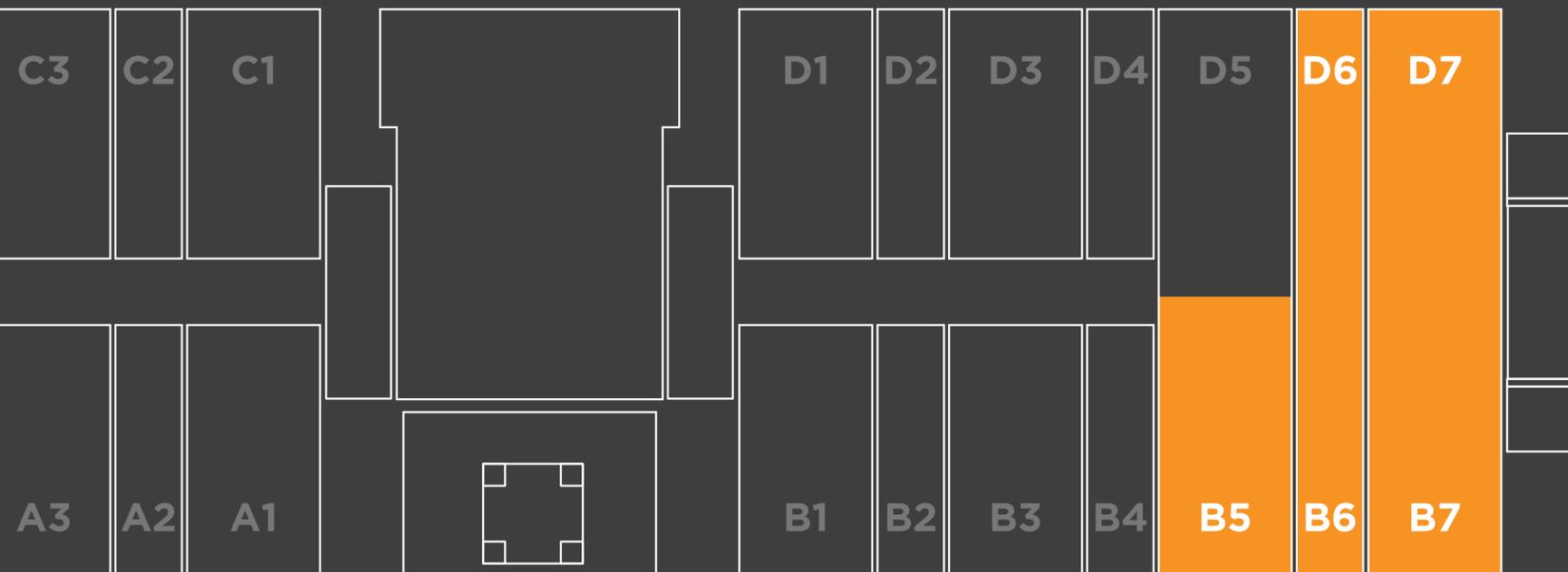
Considerable room will be given to the analysis of the challenges faced by companies on international markets and investment opportunities on the Italian market.

ECOMONDO | KEY ENERGY

THE CIRCULAR ECONOMY & RENEWABLE ENERGY EXPO

The platform for the circular economy, renewable energy and climate change

Key Energy is held at the same time as Ecomondo, the key show for technological and industrial innovation in the circular economy. An international event with an innovative format, which brings together all circular economy sectors on a single platform, including recovery of materials, energy and sustainable development.



THE SECTORS OF KEY ENERGY

Technologies, services and best practices for the energy transition

RENEWABLE ENERGIES

WIND

On-shore and off-shore wind turbines, floating wind technology, components, energy producers, revamping and repowering solutions for existing facilities, O&M, technological assets, services and best practices for finance.

SOLAR & STORAGE

Photovoltaic power, inverters, thermodynamic solar power, components, O&M&P (revamping and repowering) solutions, energy storage technologies, smart grids and energy communities, bonus 110%.

OTHER RENEWABLES

Hydrogen, hydroelectric, geothermal, thermal solar.

ENERGY EFFICIENCY

Cogeneration, trigeneration, micro-cogeneration, geothermal energy and heat pumps, digitisation and energy management systems, ESCO, EPC contractors, energy trading, financial instruments for companies.

SMART MOBILITY

Electric cars and commercial vehicles and PHEVs, digital solutions for fleet management, corporate car sharing, company car-pooling, long-term leasing, digital services for car/bike sharing management and the modal integration of personal modes of transport with local public transport, electric charging points and stations, lithium-ion batteries for electric cars, vehicle-to-grid technology, first and last mile solutions.

SUSTAINABLE CITY

Smart Utility HUB, digitisation systems and technologies, smart cities, efficient lighting, safety and security, risk management, IoT, building automation.

Greencore

Key Energy is organised by Italian Exhibition Group, a leader in Italy in the organisation of trade fair events and one of the major players of the exhibition and congress sector at a European level.

The event takes place at the modern exhibition centre in Rimini, designed around sustainability, with large green areas and water recycling fountains. Through the installation of LED floodlights and a 114,000 m² photovoltaic system, significant energy saving objectives were achieved: consumption was reduced by 66% and the carbon dioxide emitted decreased by 680 tonnes per year.

Particular attention is paid to waste management: on average 1,800 tonnes are recovered in a year. Out of this amount, 1,300 tonnes (73%) of the total are recovered: 161 in plastic, 65 in glass, 140 in carpeting, 290 in paper and cardboard, 25 in cans, 620 in wood.

The whole centre is UNI EN ISO 14001:2004 certified.

**Sustainable mobility**
28
sockets for the recharging of cars and motorbikes, free of charge

**20%**
of visitors use the railway station outside the expo centre

**The Ice Bank**
-50%
energy used for air conditioning, thanks to an underground plant which generates cold at night and supplies it during the day

**Green areas**
1.500
plants

**Every year, we save...**
23.000.000
litres of water

**400.000**
KWH of energy

**680**
tonnes of CO2

**25.000**
meals saved since 2015 with the Food for Good project

**30.000**
mq

**Photovoltaic systems**
114.000
Square meters

**7.000.000**
kwh/per year of energy produced
TOTAL ANNUAL CONSUMPTION OF THE RIMINI PLANT

**3 CONDENSING BOILERS**
latest generation modular condensing boilers
HEATING CAPACITY EQUAL TO THAT OF 50 APARTMENTS

Sponsors and collaborators

AFSEA (African Sustainable Energy Association), Italian Trade Agency, Aidi, Althesys, Anci (National Association of Italian Municipalities), ANEV (National Wind Energy Association), Anfia (National Automotive Industry Association) Ascomac, ASSIL, AssoEGE, AssoEsco (Italian Energy Service Company Association), Asstra (Transport Association), Aster, Clust-ER Greentech, Cobat, Cogena, Coldiretti, European Commission, Municipality of Rimini, Confagricoltura, Coordinamento Free, Elettricità Futura, Elemens, ENEA, ANIE Federation, Federesco, Federidroelettrica, FIRE (Italian Federation for the Rational Use of Energy), Fondazione per lo Sviluppo Sostenibile, GIGA, GBC (Green Building Council), GSE (Italy's energy services management body), H2IT, IBESA, Ises Italia (International Solar Energy Society), Itabia (Italian Biomass Association), Italcogen (Association of cogeneration plant builders and distributors), Italia Solare, Kyoto Club, Legambiente, Ministry of the Environment and for Protection of the Land and Sea, Motus-E, OWEMES, Region of Emilia Romagna, Res4Africa, Res4Med, Unimot, UNRAE (National Union of Foreign Carmakers), Utilitalia, ECEEE (European Council for an Energy Efficient Economy), EU ASE (European Alliance to Save Energy), Solar Power Europe, T&E (European Federation for Transport and Environment), Wind Europe

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