



INTERNATIONAL ENERGY EXHIBITION OF GREECE

FREE
ENTRANCE
EVENT

For the audience
in Conference,
Exhibition &
Workshop
presentations

6th Cretan Energy Conference
International Conference & Exhibition

Organised by



1-3 July 2022
Crete, Greece

MISSION OF THE EVENT

The mission of the Cretan Energy Conference & International Energy Exhibition of Greece is to present all energy sectors and promote knowledge - sharing, synergies and collaborations for the stakeholders by a) opportunities and developments presented from the industry b) scientific research and development projects presented from academia and research institutes.

ABOUT THE EVENT

Cretan Energy Conferences (CEC) is honoured to organise the "6th Cretan Energy Conference & International Energy Exhibition of Greece that is going to take place in Crete, July 2022. The event presents a unique platform to bring together national authorities, industry executives and experts from Greece, Mediterranean and other countries in order to share information and insights related to the energy sector. **Free entrance is offered to the audience in Conference, Exhibition and Workshop**, therefore speakers and exhibitors will have the opportunity to communicate and share ideas, solutions and products with a wide range of attendees.

PRESENTATION TOPICS

- Topic 1 **International Energy Plans & Projects: Worldwide Strategies & Achievements**
- Topic 2 **An insight of the Oil and Gas Industry & Strategies Supporting the Energy Transition**
- Topic 3 **Renewable energy and fuels : Technologies and Projects**
- Topic 4 **Shipping & LNG Industry: Connecting energy resources with market using low carbon fuels**
- Topic 5 **Infrastructure, Electromobility & Environmental Projects for Sustainable Growth**
- Topic 6 **Hydrogen: The New Energy Carrier**
- Topic 7 **Natural Gas - A fuel leading the Energy Transition Process**
- Topic 8 **Carbon Capture, Utilisation and Storage (CCUS): A Key technology for emission reduction**
- Topic 9 **Enhance Security in Mediterranean Region: Strategies, Synergies and Collaborations**
- Topic 10 **The key- role of Crete in the energy sector: Current Status and Future Development**

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PRESENTATION TOPICS- DESCRIPTION

Topic 1: International Energy Plans & Projects: Worldwide Strategies & Achievements

Covering topics related to national strategies and policies promoted by authorities for energy security and regional supply, energy transition, energy development projects and status (gas terminals, gas and oil pipelines, power plants, renewable energy, electrical interconnections, exploration and production activities, etc), benefits of energy projects on society, national economy and environment. In addition, energy development projects in Europe and Mediterranean region will be presented.

Topic 2: An insight of the Oil and Gas Industry & Strategies Supporting the Energy Transition

Covering topics related to O&G market outlook in various regions, O&G exploration and development strategies, strategies applied by O&G companies and supply chain sector to deliver low carbon products and services (upstream, midstream, downstream), Environmental, Social and Governance commitments, exploration and drilling activities in the region, regulatory & environmental requirements, research and development activities, energy integration projects, digital technologies and achievements in emission reduction.

Topic 3: Renewable energy and fuels : Technologies and Projects

Covering topics related to technical design, regulatory requirements, environmental actions, construction and operation of offshore wind turbines, onshore wind turbines, solar, geothermal, wave and hydro energy, biofuels/ bioenergy, power to gas concepts, storage batteries. In addition, the advantages and challenges of direct electrification of industrial plants and terminals from renewable technologies in combination with other concepts (digital technologies, CCS, natural gas plants, hydrogen, other energy integration options) will be also presented.

Topic 4: Shipping & LNG Industry: Connecting energy resources with market using low carbon fuels

Covering topics related to carrier suppliers, LNG transportation, CO2 transportation, loading and offloading systems and terminals for hydrogen, CO2 and natural gas, regulations for Health, Safety and Environment, Floating Regasification Storage Units (FSRU), low carbon fuels for shipping including regulations, vessel vessels operations for energy projects (offshore wind installation and supplies, drilling units, survey vessels) Floating Production and Storage Units (FPSO) and other related services.

Topic 5: Infrastructure, Electromobility & Environmental Projects for Sustainable Growth

Covering topics related to infrastructure development (H2 stations, H2 storage and transportation), construction of electricity storage, power grids, and other energy-related construction developments, decarbonisation plans, electromobility, green transportation, smart cities, recycling, waste-water treatment, waste to energy concepts. In addition, infrastructure modifications in port facilities to accommodate low carbon fuels and support the construction phase of energy projects (green hydrogen, offshore wind power, oil and gas projects) is also included in this topic.

Topic 6: Hydrogen: The New Energy Carrier

Covering a wide range of topics related to H2 market and utilisation concepts (such as transportation, gas turbine for electricity production, modified natural gas fired power plants, mixing with input fuels in various processes and natural gas pipelines), hydrogen production for blue and green hydrogen, funding schemes and national support, technological achievements, underground hydrogen storage, framework, environmental requirements. In addition, topics related to energy integration projects (e.g NG, CCS, Offshore Wind, Hydrogen) and their benefits to economy and job creation is included in this topic.

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Topic 7: Natural Gas - A fuel leading the Energy Transition Process

Covering topics related to projected natural gas market and demand, Natural Gas (NG) development projects, low emission production concepts, NG supply, such as Liquefied Natural Gas (LNG) terminals, Compressed Natural Gas (CNG) transportation and infrastructure, gas pipelines, national/ local natural gas production, for electricity production and blue hydrogen production in combination with carbon reduction processes (e.g CCS technologies).

Topic 8: Carbon Capture, Utilisation and Storage (CCUS): A key technology for emission reduction

Covering the topics of carbon capture methods, utilization processes/ concepts, storage options and locations, potential capacity for CO2 storage, worldwide CCUS concepts applied in energy integration projects for low carbon energy production (such as electricity, LNG, blue hydrogen, biofuels/ bioenergy), CCS projects integrated with various energy sources for decarbonising heavy industry's operations and operations infrastructures (such as cement industry, ports, refineries, industrial clusters), benefits and opportunities for growth using the CCUS technology (job creation, economy, new industry creation), monitoring procedures and techniques for CO2 reduction, economic benefits from Carbon Credits, options to use carbon credits schemes to enhance performance and projects' economics.

Topic 9: Enhance Security in Mediterranean Region: Strategies, Synergies and Collaborations

Covering topics related to strategies and synergies in Mediterranean region that enhance National and European energy security, estimation methods for energy security and the significant contribution of national energy resources, strategies and policies of EU and NATO for energy infrastructures, geopolitical importance of energy security, the role of Greek EEZ and the development of regional energy infrastructures.

Topic 10: The key- role of Crete in the energy sector: Current Status and Future Development

Covering topics related to Crete, such as offshore hydrocarbon resources, hydrogen projects, energy integration projects, renewable energy, electrical transmission, interconnections, gas pipelines, potential projects related to infrastructure for energy and gas export, port infrastructure and management for energy projects and shipping industry, training, certifications, technical expertise for energy projects, job creations and benefits to local industry and economy.