



**OMC
MED ENERGY**
1993-2023

24-26 October 2023
Ravenna, Italy

**20
23** | **POST SHOW
REPORT**

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OMC **IES** | **Events**



30th Anniversary, 1993-2023

Wrapping up the success of OMC Med Energy!



14.000+ attendees

400+ exhibitors

27 countries

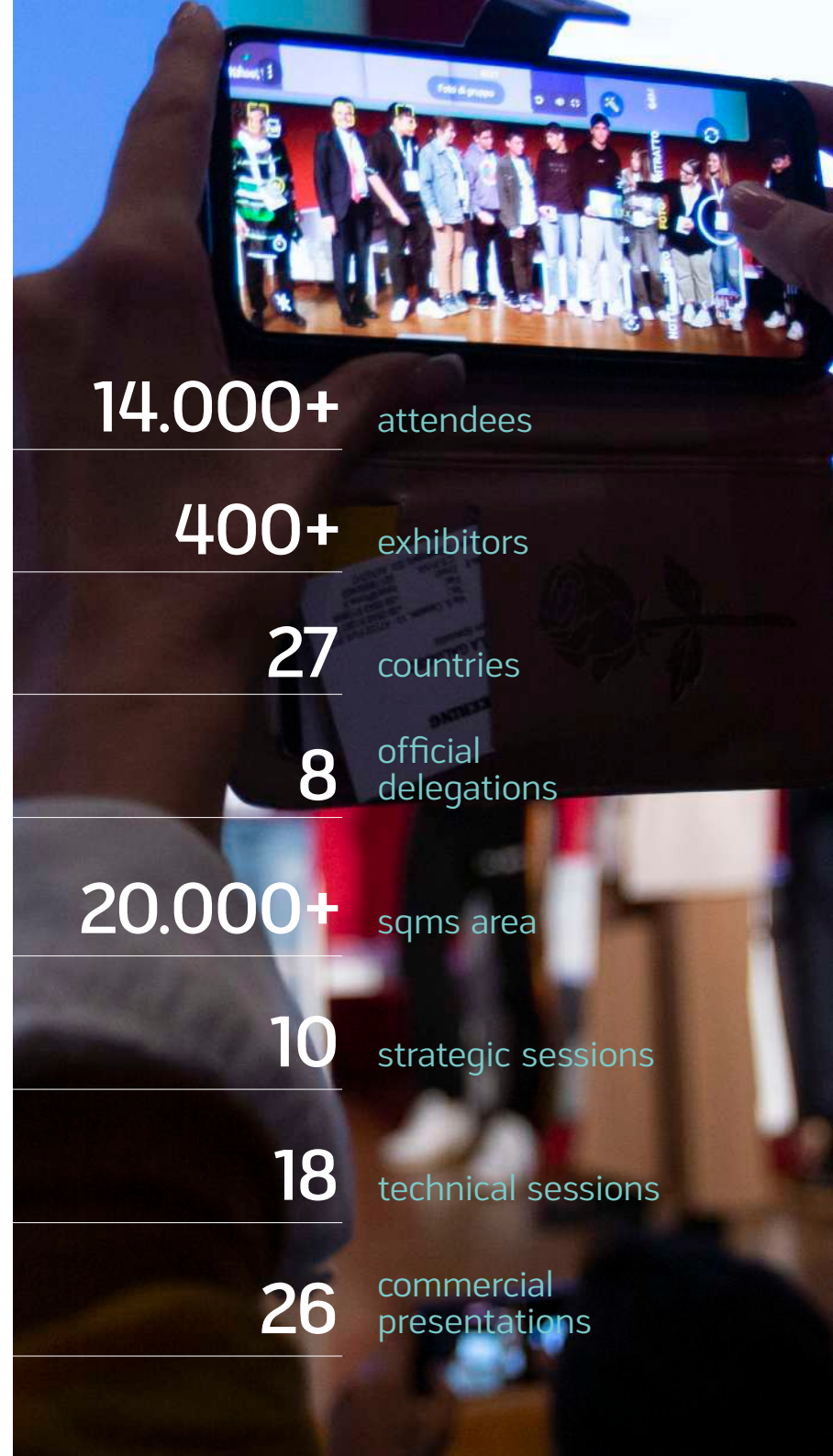
8 official delegations

20.000+ sqms area

10 strategic sessions

18 technical sessions

26 commercial presentations





The event's success

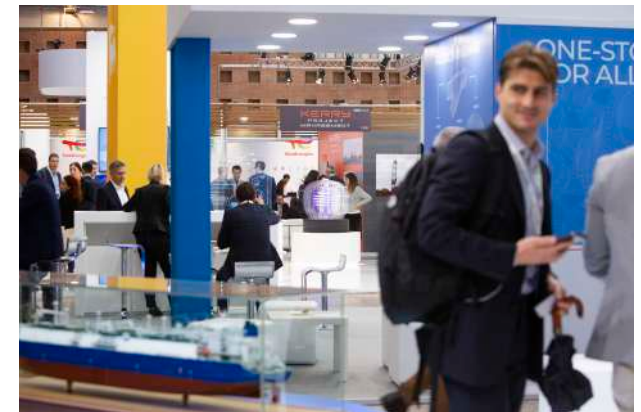
OMC celebrates a major success in its thirtieth year

OMC MED Energy 2023 closed on October 26th, marking a significant milestone in its thirtieth year. The event's success is evident in the numbers: **over 14,000 attendees, more than 400 booths from 27 countries, and delegations from Cyprus, Lebanon, Algeria, Egypt, Mozambique, Iran, Malta, and Libya.**

Worldwide leading company experts, authorities and associations, including over 400 exhibitors from **27 countries**, came together to discuss and exchange ideas on decarbonization, transition and energy security strategies.

The event featured distinguished participants in the **4 institutional panels, substantial contributions from the Italian government and the European Commission, 10 panels with stakeholders, experts, managers, and entrepreneurs, 18 technical sessions, and 26 commercial presentations.**

Notably, there was enthusiastic participation in the four sessions of the **Innovation Room**, including the **Starting up Challenge-ORa!**, **Energy Hackathon**, **Call4ideas MED**, and **Energy Transition4Highschool**, where a diverse array of participants, including an Israeli start-up and researchers from Algeria, Turkey, Morocco, and Iran, took part. Additionally, **over 600 students visited** the event during its duration.





The new scenario and current emergencies: Focus on the outcomes of COP27 in view of COP28

The opening session provided an overview of new emergencies in the Mediterranean region, focusing on current and future challenges in energy transition. The geopolitical contest underscores the urgency of addressing the 'trilemma'—balancing competitiveness, availability, and sustainability. There's consensus on the need to expedite building a resilient energy system to bridge the gap between Europe and southern Mediterranean countries. The OMC opening session integrated current policies towards an inclusive goal, fostering synergies between North and South Mediterranean, creating an ideal bridge between Cop27 and the upcoming Cop28 for continued dialogue on energy transition.

Decarbonisation and security of supply: the impact on business

Following the Institutional Opening, the conversation shifted to the corporate perspective, emphasizing the efforts and challenges businesses encounter in ensuring affordable energy focusing on adopting business models that ensure competitiveness and sustainable growth.

The opportunity coming from the East Med integration

Unlocking the potential for deeper economic integration between the Southern shore of the Mediterranean and the European bloc could be a transformative factor in the energy sector. This transition would enhance Europe's energy security and facilitate progress toward climate goals. Additionally, it would create opportunities for increased prosperity in the Middle East & North Africa, with broader positive effects on regional stability.

Institutional Welcome:

Kadri Simson - European Commissioner for Energy

Antonio Tajani - Deputy Prime Minister and Minister of Foreign Affairs and Intern. Cooperation, Italy

Tarek El Molla - Minister of Petroleum and Mineral Resources, Egypt

Mohamed Arkab - Minister of Energy and Mines, Algeria

Gilberto Pichetto Fratin - Minister of Environment and Energy Security, Italy

Matteo Salvini - Minister of Infrastructures and Transport, Italy

Claudio Descalzi - Eni Chief Executive Officer

Rachid Hachichi - Sonatrach Chief Executive Officer

Farhat Omar Bengdara - Chairman of the National Oil Corporation

Tarek El Molla - Minister of Petroleum and Mineral Resources, Egypt

George Papanastasiou - Minister of Energy, Commerce and Industry, Cyprus

Walid Fayad - Minister of Energy and Water, Lebanon

Houda Ben Jannet - General Director OMEC Observatoire Méditerranéen de l'Energie et du Climat, France

Nasser Kamel - Secretary General Union for the Mediterranean, Spain



Decarbonisation and investments

The panel delved into financing the energy transition in the Mediterranean, a hotspot for climate change, and prioritizing decarbonization and development. Substantial public and private investments are crucial to successfully guide Mediterranean countries toward net-zero emissions. OMEC estimates approximately €230 billion will be required by 2050 for efficiency measures and low-carbon technologies, primarily renewables, to drive energy transition in the region. While this surge can yield significant economic and social benefits, it necessitates extensive domestic improvements for clean energy investment alongside international efforts to expedite capital inflows.

The levers of decarbonisation in the energy sector

The panel explored into key decarbonization drivers, emphasizing challenges and business prospects in the medium and long term. It presented perspectives from energy companies heavily investing in technologies and adopting strategies and new business models that integrate economic, environmental, and social sustainability. The discussion particularly focused on analyzing technical solutions essential for supporting the transition and addressing imminent challenges.

The perspective of the hard to abate for long term goals

Addressing the decarbonization of energy-intensive industrial sectors is a formidable challenge. The panel examined the requirements and outlook for hard-to-abate sectors, mapping pathways and identifying crucial technologies to support their necessary decarbonization process, recognizing that renewables alone cannot achieve this goal.

Giuseppe Ricci - Chief Operating Officer Energy Evolution, Eni

Filippo Abbà - Chief Operating Technology and Innovation Officer, Saipem

Enrico Lucciola - Director Business Corporate, SACE

Keynote Speech:

Kahina Abdeli-Galinier - Emissions Management Director, SLB

Piero Ercoli - SVP Decarbonisation Projects, Snam

Corrado Baccani - Critical Raw Materials Task Force Member, Assorisorse

Alberto Matucci - V.P. Gas Technology Equipment, Industrial & Energy Technology, Baker Hughes

Salvatore Giammetti - Head of Carbon Capture, Utilisation and Storage, Eni

Bruna Contento - Open-es Alliance for Sustainability

Antonio Gozzi - Chairman, Federacciai

Armando Cafiero - Director General, Confindustria Ceramica

Alessandra Colombo - Head of Circular Economy and Sustainability, Versalis

Raffaella Lucarno - Head of Biorefining & Supply and Biomethane, Sustainable Mobility, Eni

Michele Zitti - Director Decarbonisation and Sustainable Business Development, Yara Italy

Roald Brouwer - Group Head of Decarbonisation, Holcim



Sustainable Mobility

For the first time, OMC addressed sustainable mobility, a timely issue, with participation from companies and associations in rail, road, maritime, and air transport sectors. The transport sector, responsible for 25% of global greenhouse gas emissions (around 7.5 billion tons per year), remains largely dependent on fossil energy. In Italy, nearly 90% of CO2 emissions in the transport sector come from road transport, with the remainder from maritime and air transport. Embracing a principle of technological neutrality, the most efficient approach to decarbonize is to synergistically combine available solutions.

Fusion Energy: new business opportunities for traditional energy industry

This session spotlighted emerging opportunities for the fusion sector, its supply chain, and the entire industry through a discussion among key players in the field. Fusion Energy has the potential to revolutionize the energy sector by offering a safe, zero-emission, and virtually inexhaustible process for generating large quantities of energy once brought to an industrial scale. This technology is gaining increased attention as a viable option to contribute to global decarbonization efforts.

Giulia Costagli – Head of Technology Governance, Gruppo Ferrovie dello Stato Italiano

Stefano Ballista – Chief Executive Officer, Eni Sustainable Mobility

Federico Vecchioni – Chief Executive Officer, Bonifiche Ferraresi

Amedeo Genedani – President, Confartigianato Trasporti and Unatrans

Luigi Ciarrocchi – Director CCUS, Forestry & Agro-Feedstock, Eni

Gianluigi Iacobone – Director Studies and Strategies Centre, Autostrade per l'Italia

Francesco Calvi Parisetti – Partner, Roland Berger

Andrew Holland – Chief Executive Officer - Fusion Industry Association

Eliana De Marchi – Head of Magnetic Fusion Technology Dept., Eni

Giampiero Lapenna – Fusion Project Director, Ansaldo Nucleare

Francesco Romanelli – President, DTT S.c.ar.l. Consortium

Leonardo Biagioni – Deputy Chief Financial Officer, Fusion For Energy

Andrea Bombardi – Carbon Reduction Excellence EVP, RINA

Antonio Pallecchia – Magnets & Systems Unit, ASG Superconductors

Giuseppe Taddia – Power Electronics Manager, Ocem - Energy Technology

Marianna Ginola – Head of Nuclear, Fusion Energy & Research Department, Simic

Nunzio Abbate – System LAB & SPG General Manager, ST Microelectronics



Technical sessions

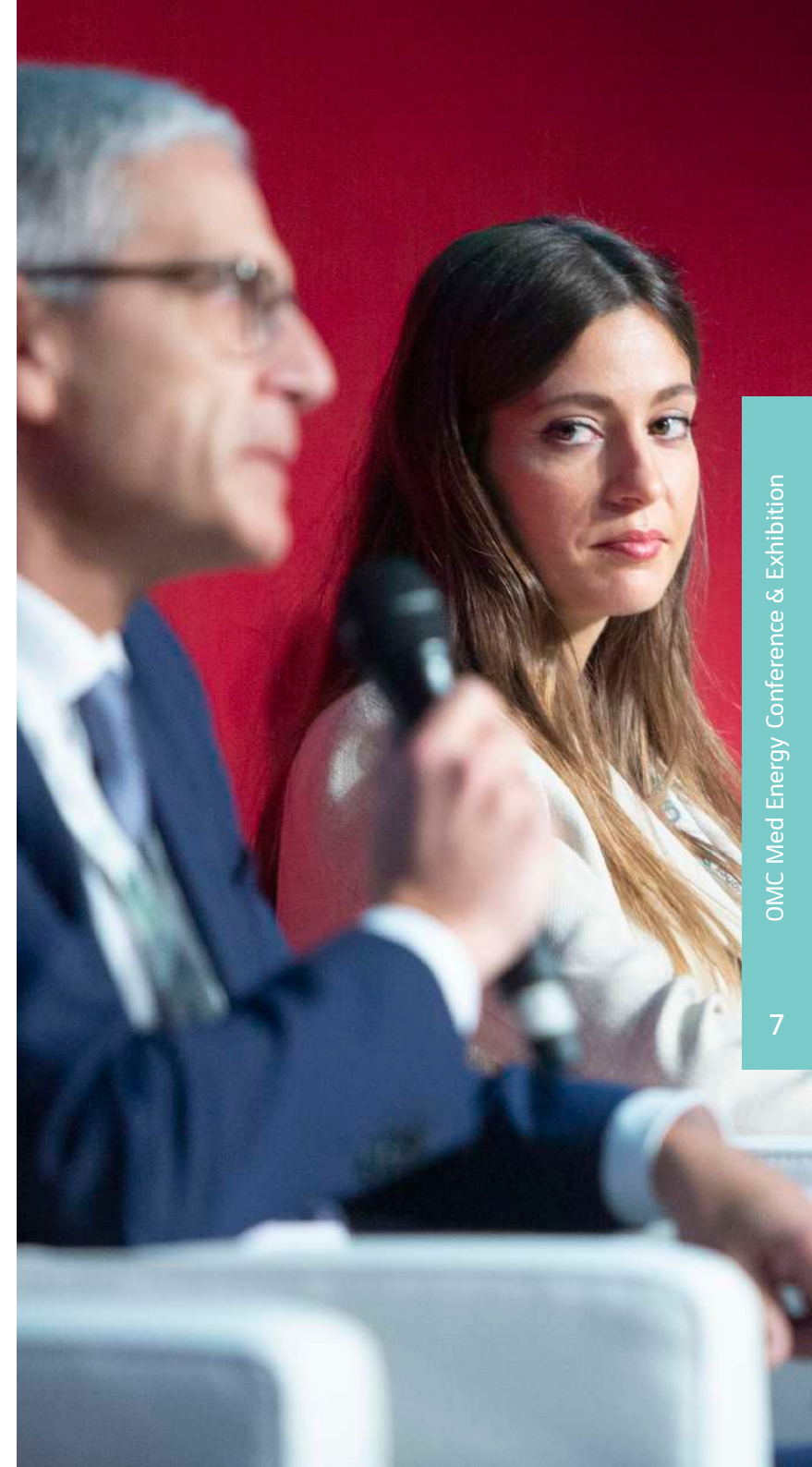
OMC Med Energy 2023 was characterised by the richness and strategic nature of its content. Technical sessions have been enlarging their focus to new areas, covering 4 main streams:

-  Carbon Neutrality
-  Circular Economy
-  Operational Excellence
-  Technologies

Attendance figures confirm that they remain the “scientific core” of the Conference, for international experts and professionals who wish to share technical knowhow and achievements.

The highly attended sessions, as well as the most interesting, included:

- | | |
|--|--|
|  CCUS |  Renewables |
|  Hydrogen |  Offshore Wind |
|  Breakthrough Technologies |  GHG |
|  Underground Storage Innovation |  Fusion Energy |





Innovation Room

The Innovation Room program has engaged **universities, high schools, start-ups, companies and investors** in presentations and contests to exploit the potential of fresh ideas and turn them into new projects and solutions for the energy transition.

Accenture, in its role as **Innovation Partner**, was the orchestrator of the Innovation Room program of OMC Med Energy 2023.



Starting Up Challenge ORa!

OMC and **ORa! Outpost Ravenna for Energy Transition** have scouted for the best start ups working on energy transition solutions and technologies.

A roundtable discussion focused on the most common collaboration models between established companies and startups. The speakers explored the advantages and challenges of each model, sharing their experiences with successful collaborations.

«How Companies Can Collaborate with Startups and Scaleups: From Venture Clients to Venture Builders»

Participants gained a deeper understanding of how these models work and learnt practical strategies for building effective partnerships with startups.

«Corporate-Startup Collaboration – Unveiling Stories and Insights from the ORa! Project»

A second panel showcased real challenges and insights on corporate-startup collaboration through the lens of the ORa! Project. Shortlisted startups who have partnered with corporations reported on their journeys to understand best practices and avoid common pitfalls.





The new generation

Energy Hackathon

The Energy Hackathon, designed and managed by Accenture, acts as a powerful crowd-sourcing platform that generates a breadth of potential solutions to the environmental and energy challenges that companies face. This initiative is a helpful platform for students to learn and understand real-world challenges, generate solutions, find start-up partners.

OMC2023 Hackathon involved **46 students and researchers** aged 20-30 years and place over the course of one full day in the Innovation room. Through different inputs and methodologies, it led the 7 groups to brainstorm ways to “improve the knowledge and the development of new skills and competencies among the new generation”.

The winning team received prizes and recognition from the Energy Hackathon’s sponsors: **SPE, Accenture, Proger, Rosetti Marino, TotalEnergies.**



BEST PROJECT OVERALL
awarded by



**MOST TECHNOLOGICALLY
FOCUSED PROJECT**
awarded by



**MOST TRANSFORMATIVE
PROJECT**
awarded by



MOST ENGAGED TEAM
awarded by





Technological levers for decarbonisation

The event continued with short technical presentations by SPE tutors. In particular they focused on the following topics: Photovoltaics and carbon footprint, Smart grids, Nuclear fusion and fission, Electric cars, Biofuels, Hydrogen cells, Desalination, CO2 re-use and Marine energy.

Energy Survey Results

Next, OMC Med Energy Scientific Committee and FEEM-Fondazione Eni Enrico Mattei presented the results of the online energy questionnaire previously proposed to students. The aim was detecting knowledge and points of view on the most promising lines of research and development and, at the same time, gather ideas and suggestions that could inspire new projects with a high innovation potential.

Energy Quiz

The morning ended by involving the students in a quiz focused on the topics addressed in the previous speeches. The 10 teams competed in a game format, which enabled students to be engaged and to consolidate the information and concepts acquired during the morning.



Innovation Speech

Finally, Accenture delivered a successful and clear presentation, which grabbed everybody's attention. It aimed at giving the audience an overview on the startup ecosystem and an introduction to Open Innovation methodologies.

Different definitions of the term "startup" were presented, together with their typical lifecycle and success factors.

An introduction to key concepts of startup development as pivoting, becoming a unicorn, and the importance of executing ideas were introduced.

An overview of the Italian startup ecosystem growth was given, with a focus on the recent most successful companies.

The difference between traditional innovation and open innovation was introduced, with a focus on the different open innovation initiatives by level of commitment as startup challenges, corporate acceleration, and corporate venture capital.



The Energy Industry is Changing, and OMC Is Evolving with It

OMC 2023

Where Energy Experts Unite to Transform the Industry!

For nearly three decades, OMC has stood as the **unrivalled platform driving the energy transition** through cutting-edge technology and innovation. This premier industry event has been instrumental in propelling countless companies to **unprecedented growth** and success, offering **unparalleled networking opportunities, dynamic B2B matchmaking, and invaluable insights into the latest sector trends.**

Connecting **operators, suppliers, policymakers, international corporations, and ambitious start-ups** under one roof, OMC created the ultimate hub for industry convergence and fruitful business collaborations.

"For Rosetti Marino, as founding member and enthusiastic exhibitor, OMC is an unparalleled platform to champion the business and industrial excellence of the district of Ravenna within the modern dynamic energy sector. It's our chance to dazzle and engage with key players across the Mediterranean, propelling the region into the spotlight of innovation and collaboration."

Oscar Guerra

Chief Executive Officer & Executive Director





Outstanding feedbacks, exceptional perspectives

A Global Hub

Bringing together Northern and Southern shores of the Mediterranean

"Saipem is operating since more than 60 years in 80 countries worldwide, and Ravenna is a crucial opportunity for us to network, showcase our technologies, and discuss new initiatives and projects. We have brought to Ravenna our 'CO2 Solutions™,' our cutting-edge technology designed to capture CO2 emissions. We intend to apply this technology to hard-to-abate sectors and offshore wind in the journey of energy transition."

Fabrizio Botta

Chief Commercial Officer, Saipem



Exhibitor Reviews

91%

Met or exceeded their roi

82%

Generated leads/brand awareness

74%

Met or exceeded their objectives

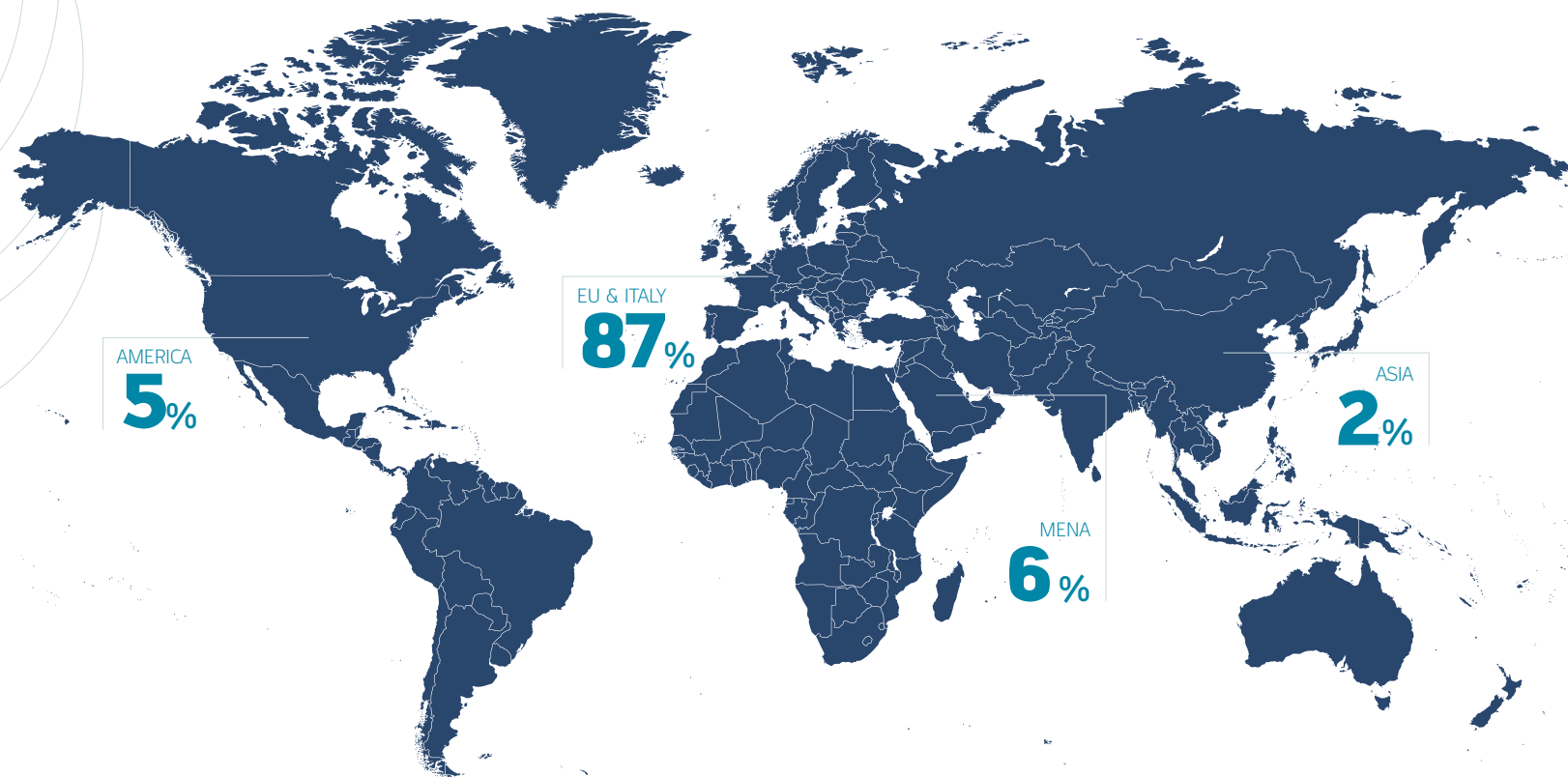
73%

Booked or planned for 2025



400+ exhibitors from 27 countries

The region's
most
influential
meeting
point for
energy
professionals





Showcased Products & Services

Batteries & Chargers	2%
Boilers	2%
Compressors	3%
Cranes, Derricks, Hoists, Winches	2%
Drilling and Completions	6%
Electric Motors	2%
Electrical Systems	7%
Engineering & Projects / EPC	19%
Engines	2%
Generators	2%
HVAC	2%
Piping	8%
Power Systems	4%
Power Transmission Equipment	3%
Process Equipment / Facilities	9%
Pumps	5%
Reservoir Description and Dynamics	1%
Tubes	4%
Turbines	3%
Turbo Machinery	1%
Valves & Actuators	8%
Vessels / Tanks	5%

Attendee by Job Functions

Administration/Finance	3%
Business Development	9%
Chairman / Chief (Managing Board)	5%
Consulting	5%
Communications & Marketing	3%
Customer Service	1%
Engineering / Technical / Scientific	24%
General Manager	6%
Government and Public Affairs	1%
Human Resources	2%
Information Technology	1%
Managing Director	4%
Manufacturing and Production	3%
Purchasing and Procurement	5%
Research & Development	2%
Sales	23%
Training and Education	1%
Transport and Logistics	2%

Attendee by Sector

Associations & Academia	2%
Digital, IoT, Automation	3%
Energy Producer	9%
EPC & Management	30%
Exploration & Production	8%
Financing, Pricing & Trading	2%
Government	1%
HSSE	4%
Human Resources	2%
Hydrocarbons	7%
Marine Equipment & Shipping	7%
Media, Press, TV	1%
Platforms: Fixed & Floating	3%
Power Generation & Distribution	8%
Renewable Energies	8%
Storage & Bunkering	2%
Transportation, Logistics	3%



Exhibition Awards

Among the spaces with basic setups, some have truly stood out for their originality, it was difficult to choose one!

The award for the **'MOST ORIGINAL SHELL CUSTOMISATION'** category goes to **VEGA ITALIA**.

Moving on to customized setups, we've witnessed true design masterpieces: booths that capture the image with an extraordinarily impactful visual appeal. After careful consideration, we have decided to award the best booth in the **'CREATIVE & CAPTIVATING DESIGN'** category to **NEWPARK**.

Speaking of technology applied to setups, we sincerely have to recognize the innovation of **ENI**: the award for **'BEST TECHNOLOGICAL ARCHITECTURE'** goes to them for their use of technology in their booth. Well done!



Finally, we asked exhibitors to share their projects and initiatives related to energy transition. The stories we heard were inspiring and incredibly motivating. Choosing the winning project was challenging, but in the end, we decided to award **KIWA ITALIA** with the **'My Energy Transition Route'** award, with the following presentation:

"Throughout the entire hydrogen supply chain (production, storage, distribution, equipment, refueling stations, end use...), Kiwa provides technical support, testing services, inspection, and certification to enhance the sustainability of high-energy-intensive processes, precisely through the use of hydrogen as both an alternative energy source and an industrial raw material."





Paper Awards

OMC Programme Committee awarded the best paper presentation for each conference pillar, and the best paper presented by a young professional:

Best Paper for Operational Excellence

"Permanent Solution for Driving Down Methane leaks from the oil and gas wells"

Mark Nicol, Paul Carragher, Talapatra Didhti – BiSN

Best Paper for Carbon Neutrality

"E-CCM Technology: From CO2 to Building Materials"

Roberto Millini, Bellettato Michela, Grana Roberto, Cambise Paolo, Eni

Best Paper for Technologies

"Definition of the Optimal Source for Curing an UV Coating on the Inner Surface of Pipes"

Alessandro Condini, Carlo Trentalange - Elixe Srl, Viktor Morozov - MPR srl

Best Paper for Circular Economy

"Feedstock-to-Biomethane: Development of a Tool for Preliminary Techno-Economic Evaluations of the whole Biomethane Value Chain"

Francesco Abbate, Aldo Bosetti, Marco Guidolin, Roberto Pinna – Eni, Raffaele Franco, Loris Dovico, Martina Lacquaniti, Silvia Menegon – Snamprogetti

Best Paper Award for Energy of Tomorrow

"Autonomous Depwater Inspections of Risers via Subsea Drones and A.I. Based Data Fusion"

Marco Bertagnoli - Saipem





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OMC MED ENERGY Visual Journey

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memories







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... and to OMC PARTNERS!



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See you in 2025

8-10 April 2025 | Ravenna, Italy

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