

Electrical, Automation and Digitization Knowledge Sharing Event

Partners



**Conference site:**

FAST | Federazione delle Associazioni Scientifiche e Tecniche
Piazzale Rodolfo Morandi, 2
20121 Milano
Italy

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PCIC Energy Europe Mission

To provide an international forum in the heart of the major source of products and solutions for the exchange of electrical and instrumentation applications technology relating to the petroleum, chemical industry and energy transition, to sponsor appropriate standards activity for that industry, and to provide opportunity for professional development.

PCIC Energy Europe Strategies

1. The PCIC Energy Europe Annual Conference will be held in locations of industry strength, and its location will be rotated annually in an effort to attract national and international participation.
2. PCIC Energy Europe will proactively promote participation by a broad base of PCIC energy Europe representatives, with an emphasis on both younger and senior engineers.
3. Attendees will be encouraged to participate in technical activities including authorship of papers and participation in IEC standards development including IECEx.
4. The quality of PCIC Energy Europe papers is essential for the PCIC Energy Europe mission and is given highest priority. Application oriented papers are given priority.
5. The technical content of the PCIC Energy Europe Annual Conference will be continuously evaluated and updated to reflect the evolving needs of the industry.
6. Participation of users, manufacturers, consultants and contractors will be encouraged in the activities of PCIC Energy Europe to strengthen the conference technical base.
7. PCIC Energy Europe will offer tutorials directed towards enhancing the technical, communication, and interpersonal skills of petroleum, chemical industry and energy transition engineers.



PCiC Energy Europe 2023 Conference would like to thank its sponsors (list updated on April 13th, 2023)

Platinum Sponsors



Silver Sponsors





Welcome from the Local Committee

On behalf of PCIC Energy, I have the chance to organize next Europe conference in Milan, Italie.

Known for being a fashion, artistic and architectural capital, Milano is also the heart of the Italian Industry and its energy companies.

On June 2023, the entire PCIC Energy organization will have the pleasure to organize 3 days of conference.

Centered around a rich technical program, you will also have the chance to discover Milan famous must see: the Duomo, la Galleria Vittorio Emanuele II, Leonardo Di Vinci's Last Supper and many wonders.

Social events will also be the occasion to exchange with all the most prominent experts of the industry in Electricity, Automation and Digital.

Last but not least, it will be your chance to taste the traditional Italian dish or wine, and thus try the Dolce Vita.

On behalf of the local committee, I wish you a very interesting and profitable PCIC energy Europe conference and we will do our best to make your visit to Milan enjoyable.

Have a wonderful stay in Milan.

Jean Guilhem, PCIC Energy Executive Committee member

Local Committee members: Jean Guilhem, Caroline Bishop, Kim Fumagalli, Luigi Bellofato, Thibaut Jouvot

Provisional Schedule at a Glance

Monday June 5th, 2023

Time	
18:00 - 21:00	Registration at welcome desk

Tuesday June 6th, 2023

Time	Room 1	Room 2
08:00 - 09:15	Registration, Welcome Coffee	
09:15 - 09:30	Safety Briefing & Welcome and notices	
09:30 - 11:00	Tutorial 1 EUR23_21 - Recommended practices for electrification of oil and gas facilities	
11:00 - 11:30	Coffee Break / Sponsors tables	
11:30 - 13:00	Tutorial 2 EUR23_XX - Replacing of Electrical Submersible Pump (ESP) Systems under offshore condition	
13:00 - 14:30	Lunch	
14:30 - 15:15	Paper 01 EUR23_02 - Shunt reactor compensation for subsea cables in industrial plants	Paper 02 EUR23_XX - Conceptual electrical designs & total control system concept for Green Hydrogen
15:15 - 16:00	Paper 03 EUR23_XX - ReX and Recommendations for Mechanical Integration of Large High-Speed Motors	Paper 04 EUR23_13 - Hydrogen for Electricity: Technical and Normative Preliminary Analysis
16:00 - 16:30	Coffee Break / Sponsors tables	
16:30 - 17:15	Paper 05 EUR23_16 - VSD Output Voltage Online Compensation for Proper Adjustment of ESP at the Best	Paper 06 EUR23_08 - Environmental Sustainability with Synchronous Transfer on Medium Voltage Drives
19:00 - 20:00	Networking Event in Mannin Hotel	
20:00	Hospitality suites are open in Mannin Hotel	

Wednesday June 7th, 2023

Time	Room 1	Room 2
09:00 - 09:45	Paper 07 EUR23_04 - Variable shunt reactors control scheme for interconnected offshore facilities	Paper 08 EUR22_22 - Developing SF6 free products with alternative gas
09:45 - 10:30	Paper 09 EUR23_17 - Is process electrification a straightforward approach?	Paper 10 EUR23_XX - Decarbonization of offshore installations using converters with active front end
10:30 - 11:00	Coffee / Sponsor tables	
11:00 - 11:45	Paper 11 EUR23_XX - End winding resonance, Should be order or not	Paper 12 EUR23_09 - Electrical Engineering Challenges and Opportunities in EV charging
11:45 - 12:30	Paper 13 EUR23_XX – Electrification retrofit with SFC and VFDS power from shore	Paper 14 EUR23_XX - Condition monitoring of Variable Speed Drives
12:30 - 14:00	Lunch	
14:00 - 14:45	Paper 15 EUR23_06 - A study on the effects of grid faults on the grid connected oil & gas terminal	Paper 16 EUR23_20 - Digital Solution Construction for Asset Monitoring, the Dual Strategy Importance
14:45 - 15:30	Paper 17 EUR23_XX - Large Motor Starting with Flux Compensated Magnetic Amplifier	Paper 18 EUR23_XX - Rackon-X®: The First Rack & Pinion actuator with Data-Tracking Unit
15:30 - 16:00	Coffee / Sponsor tables	
16:00 - 16:45	Paper 19 EUR23_XX - Evaluation of Power Quality Characteristics in Electric Submersible Pumps	Paper 20 EUR23_10 - Use of Virtual for Training on Electric Motor Condition Monitoring
16:45 - 17:30	Paper 21 EUR23_XX – Transformer Overflux Protection Experience	Paper 22 EUR23_11 - Digital Project Execution - Optimizing Your Assets
16:00 – 0:00	Hospitality suites are open	

Technology & Innovation / Sustainability / Automation & Digitalization / Maintenance & Reliability

Thursday June 8th, 2023

Time	Tower 2	Tower 3
08:30 - 09:15	<p>Paper 23 EUR23_01 - FMEA during Project FEED to ensure high availability - VSD system as use case</p>	<p>Paper 24 EUR23_19 - Digitalized Condition Monitoring and Health Management System for Electric Motor</p>
09:15 - 10:00	<p>Paper 25 EUR23_XX - The Importance of Transformer Through Fault Monitoring</p>	<p>Paper 26 EUR23_03 - Study of Subsea, Onshore and Offshore Electric Generation, Distribution and Transmission</p>
10:00 - 10:30	Coffee / Sponsor tables	
10:30 - 11:15	<p>Paper 27 EUR23_XX - The effect of Harmonics on Ground Fault Protection</p>	
11:15 - 12:00	<p>Paper 28 EUR23_12 - Electric Power System Topology For High Capacity All-Electric FPSO</p>	
12:00 - 12:45	<p>Paper 29 EUR23_07 - Design factors of electrifying brownfield O&G assets</p>	
12:45 - 13:15	Closing words	

Technology & Innovation / Sustainability / Automation & Digitalization / Maintenance & Reliability