



13 - 15 October 2025

Oman Convention & Exhibition Centre
Muscat, Sultanate of Oman

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Welcome message

Dear Colleagues and Distinguished Guests,

It is with immense pride and enthusiasm that I welcome you to Muscat for the 4th edition of IEEE PowerTalks 2025, hosted by Nama Electricity Distribution from 13–15 October. This pioneering event marks a milestone in our shared journey toward a smarter, cleaner, and more resilient energy future, aligned with Oman's visionary goals for sustainable development.

At Nama Electricity Distribution, we are deeply committed to powering progress across our great nation. From delivering electricity to every corner of Oman to advancing our renewable energy targets, our efforts are driven by the belief that accessible, reliable, and clean energy is the foundation of prosperity.

Eng. Ala Hassan Moosa

Chief Executive Officer



About the Event



IEEE PowerTalks returns for its fourth landmark edition, continuing our mission to drive the conversation on sustainable energy solutions. Building on the remarkable success of our previous conferences, IEEE PowerTalks 2025 stands at the forefront of technological innovation, bringing together the brightest minds in power and energy. Oman stands at the forefront of this revolution. Guided by an unwavering vision for sustainable development, the Sultanate has become a beacon of energy innovation.

Our great nation's Vision 2040 outlines an ambitious roadmap, by targeting 30% of its energy from renewable sources by 2030, Oman is aligning itself with global efforts to combat climate change while fostering innovation and investment. At IEEE PowerTalks 2025, we are not just observing this change, we are driving it. This landmark conference brings together the world's most innovative minds to reimagine Oman's energy future, blending cutting-edge technology with visionary thinking.





Building on this heritage, IEEE PowerTalks 2025 guarantees be the most innovative and influential gathering yet. We continue to push the boundaries of energy solutions, bringing together the brightest minds to address energy challenges and opportunities.

Event Highlights



2,000+
Participants



100+
Speakers



30+
Countries



30+
Exhibitors



30+
Technical Hours



4
Masterclasses



Why Attend ?



Global Insight, Local Impact:

Explore Oman's energy landscape and revolutionary energy policies.



Direct Access to Industry Leaders:

leading energy researchers, and policymakers. executives,



Policy & Regulatory Landscape:

Understand the regulatory frameworks that are influencing Oman's energy transition.



Vision 2040 Alignment:

Discover Oman's energy policy aiming to lead sustainable growth and transformation.



Cutting-edge technology showcase:

Discover the newest renewable energy, smart grid, and energy storage innovations.



Networking:

Create strong professional contacts beyond traditional limits.



Strategic Workshop Deep Dives:

Attend intensive, hands-on workshops beyond theory and get actionable insights from practical, solution-oriented sessions.



The background of the slide is a dark teal color with a lighter teal gradient at the bottom. A faint, light-colored line drawing of a power line tower is centered in the background. The tower has multiple cross-arms with insulators. A horizontal band of a slightly different shade of teal is positioned behind the text.

Technical Committee

Technical Committee



Eng. Salim Al Kaabi
Chief Operating Officer



Eng. Yousuf Al Mahrooqi
Chief Technical Officer



Eng. Abdullah Al Wahaibi
Chairman



Jamie Hoyzer
Chief Executive Officer



Dr. Talal Al Aulaqi
VP- OQAE - Energy Excellence



Dr. Ahmed Al Maashri
President



Eng. Mohammed Al Lawati
Head Renewable Energy



Hisham Al Riyami
Planning & Design General Manager



Ahmed Abdelmagied
Senior BD Manager Oman



Dr. Ruth Prelicz
Senior Geostrategic Advisor



Javad Elkharraz
CEO



Hani Balfass
Technical / Business development leader



Dr. Mazin Al Shidhani
Renewable Energy Engineer



Fatema Al Jardani
HSEQ-T & SD Expert-Alternative Energy



Ahmed Al Maghdri
Project and Contracts manager



Abdul Aziz Shukaili
Elec. Competency & Resource Planning Lead



Lionel H.J. Rabin
Managing Director



Eng. Majid Al Rahbi
Manager Project Risk & Compliance



Ibrahim Al Habsi
Decommissioning Manager



Raed Bkayrat
Chief Development Officer

Technical Committee _____



Ashutosh Sharma

Team Lead & Senior Principal
Consultant, Grid Asset
Management & Studies



Eng. Yahya Al Rawahi

CEO



Prof. Abdullah Al-Badi

Professor in Electrical &
Computer Engineering Department



Salim Al Humaimi

Ministry of energy and
minerals



**Dr. Eng. Nabil Khalil Ibrahim
Ghonaim**

Chief Executive Director



Conference program

Day One - 13 October 2025

Opening ceremony

08:00	Registration & networking
09:00	Official inauguration
09:05	Welcome message  Eng. Abdullah Al Wahaibi Chairman 
09:10	Opening remarks  Eng. Ala Hassan Moosa CEO 
09:15	Keynote speech Chief guest
09:25	Keynote presentation  Dr. Carole Nakhle President 
09:45	Awarding ceremony
10:00	Exhibition opening & break

Session One

	Session One: Power market updates
	Chaired By:  Frank Wouters Director 
10:45	Session opening by the moderator
10:50	Regulatory and policy changes in Oman's power sector: Updates on policy reforms aimed at enabling a sustainable and competitive power market in Oman.  Maryam Al Hashimi Director of Electricity and Energy Efficiency Policies and Strategies 
11:05	Trends in Oman's energy mix and diversification strategies: Exploration of PWP's efforts to diversify Oman's energy sources, including the shift toward renewables and clean energy.  Hamed Saleh AL Foori Projects and Contracts Chief Engineer 

11:20	Wholesale power market design: potential evolution of the current model in Oman and surrounding Gulf States.  Peter R. Styles Principal Consultant 
11:35	Financing energy transition: Investment trends and capital flows in renewable and low-Carbon projects.  Hisham Hassan Moosa Sr.EVP & Head- Project Finance & Global Banking 
11:50	The Economic impact of Oman's energy transition: Analyzing policy shifts and growth opportunities.  Dr. Abdullah Al Abri VP Sustainability 
12:05	Topic TBC  Dr. Talal Al Aulaqi VP Energy Excellence 
12:20	Strategic dynamics in energy markets: The critical role of off takers, generators, and project finance in securing bankable power agreements.  Mohamed Ahmed Senior Director 
12:35	Panel discussion
12:50	Prayers & break

Session Two: Power systems and grid solutions

	Chaired By:  Eng. Hashim Al Zahrani Operation Director 
13:15	Session opening by the moderator
13:20	Enhancing grid resiliency with robust insulation in severe environmental conditions.  Frederic Delhumeau Technical Assistance Engineer 

13:35	Transmission upgrades to support Oman's energy transition: Investment in transmission infrastructure to support increased renewable generation.  Abdullah Al Habsi System Studies Section Head  البنكعة العمانية لنقل الكهرباء ش.م.ع.م OMAN ELECTRICITY TRANSMISSION COMPANY S.A.O.C. أحد شركات مجموعة نماء Member of Nama Group
13:50	Grid integration for renewable energy sources: Solutions to seamlessly integrate solar, wind, and other renewables into the grid.  Abhishek Kar Head of Strategy & Sustainability Siemens EA - Middle East 
14:05	Dynamic reactive power compensation with Variable Shunt Reactors (VSR).  Kalyan Tata Application engineer 
14:15	Underground cables vs. overhead lines: A sustainable solution for future grids.  Dr. Maximilian Zundel Project Manager  Timo Geiger Branch Managing Director  
14:30	Energy storage solutions and grid balancing: Use of storage systems to balance supply and demand and store excess renewable energy.  Mr. Ali Khandani Power Systems Studies 
14:45	Panel discussion
15:00	Lunch break

Session Three: Distribution systems

Chaired By:



Dr. Khalfan Al Kharusi
Principal Engineer for Power Grid and Renewables



15:40

Session opening by the moderator

15:45	From multiplicity to fusion: NEDC's Journey to a unified, intelligent distribution network control ecosystem.  Humaid Al Naabi General Manager of Control Centers 
16:00	Enhancing reliability and efficiency in power systems: Advanced fault detection and isolation for intermittent Earth faults in modern distribution networks".  Hamada Diab Protection Application Engineer 
16:15	Hosting capacity analysis for PV-Based DERs in the Middle East.  Flemming Christensen Principal Adviser 
16:30	Sustainable medium voltage switchgear for a net-zero future.  Smiljan Music Global Partner Development Manager 
16:45	Rethinking our organization: Lessons from Enedis on using smart meter data and AI.  Naim Echarach Head of Business Development – North Africa/Middle East 
17:00	Anomaly detection in HT smart meters using supervised learning for condition-based maintenance in the distribution network in NEDC.  Alaa Alkiyumi Head of PMO- National AMI Project 
17:15	Panel discussion
17:35	End of day one

08:00	Registration & networking	
	Session Four: Asset management and optimization	
	Chaired By:  Mohammed Salim AL Ghenaimi General Manager Planning  نماء nama لتوزيع الكهرباء ELECTRICITY DISTRIBUTION	
09:00	Session opening by the moderator	
09:05	Enhancing strategic decision-making in power systems using the Analytic Hierarchy Process (AHP).  Hesham Badahdah Senior Engineer Senior Project Manager  GCC Lab المفتبر الفليبي	
09:20	Transformer health index (HI) model.  Yousuf Al Hadi Asset Performance Senior engineer  نماء nama لتوزيع الكهرباء ELECTRICITY DISTRIBUTION	
09:35	Importance of continuous monitoring systems in enhancing networks efficiency and reliability  Mohammed Al Sumri New Product Development Manager  Mahdi Abdelkhalek MEART Technical Sales Manager  OmanCables الكابلات العمانية	
09:50	Integration of energy efficiency program with ISO 50001 Energy Management System (EnMS) for downstream operations in Oman.  Shinoona al Aisari Sr Specialist Energy Excellence  OQ	
10:05	Optimizing large-scale PV plants in Oman using OLTC and power quality solutions.  Waqas Hussain Business Development Manager  MR	
10:20	Panel discussion	
10:35	Break	

Session Five: Energy conservation and efficiency

Chaired By:

**Siddiqa Al Lawati**

Advisor Business Development



11:05

Session opening by the moderator

11:10

Oman net zero center: Oman's Net Zero initiatives in driving energy efficiency and conservation, focusing on strategies to reduce carbon emissions, improve energy management, and promote sustainable practices across industries.

**Dr. Asma Al Maqbali**

Energy Efficiency Project Manager



11:25

Seawater energy recovery for district cooling

**Steve Lemoine**

CEO Middel East



11:40

OQ building energy efficiency ambitions & super ESCO potential in Oman.

**Alan Freeman**

Head Energy Services



11:55

From transition to optimization: Building an energy-efficient future for Malaysia

**Prof. Kamaruzzaman Sopian**

Professor



12:10

Assessing the potential of CCUS technologies in energy-intensive industries to reduce emissions.

**Hilal Alghaithi**

Key Accounts Manager



12:25

AI-Driven EMS solutions for energy efficiency in commercial & industrial buildings in Oman.

**Amer Moustafa**

Country Manager - Oman



12:40

Panel discussion

13:00

Lunch break

Session Six: Sustainable energies, renewables & storage

Chaired By:



Dr. Mazin Al Shidhani
Renewable Energy Engineer



13:45

Session opening by the moderator

13:50

Opportunities for developing local supply chains for solar panels, wind turbines, and hydrogen infrastructure.



Eng. Haitham Al Omairi
Senior Manager - Business Development



14:05

World-leading hybrid solar power plant in commercial operation.



Jose Barragan Jimenez
VP CTS Renewables Technology



14:20

Combining wind power with solar PV to improve grid stability, case study: Duqm, Oman.



Thuraiya Al Wahaibi
Senior Project Engineer



14:35

Hybrid compensation solution for renewable segment.



Saravanan Jeganathan
Hub Product Marketing Manager for Power
Quality products - Middle East & Africa



14:50

Compressed air energy storage in the GCC: Unlocking long-duration, low-carbon flexibility.



Mohamed A. AlEmam
Head of Business Development and
Projects Support



15:05

PDO advancement of renewable energy integration with 300 MW solar and wind projects into its power network.



Waleed Al-Washahi
Renewable Energy Engineer



15:20

Panel discussion

Closing session

15:40

Closing remarks

16:00

End of day two

The background features a faint, light-blue wireframe of a high-voltage power line tower. A solid horizontal band of a slightly lighter teal color runs across the middle of the image, serving as a backdrop for the title text.

Masterclasses

Master Classes – Track One

09:00

Optimizing energy systems: Innovations for a sustainable future.

**Radhika Chopra**

Energy Efficiency & Sustainability Leader

Presented by

Honeywell**Nilay Shah**

Energy Efficiency Technical Head

**Vilas Bakshi**

Regional Director Aeroseal LLC, Middle East & Africa

**Sajju Nair**

Head - Energy Services & CFS

11:00

Coffee break

11:30

Future Grids in the era of energy transition

**Ashraf Omair**

Power Quality Solutions Sales Manager

Presented by

HITACHI**Anoop Anand**GPQSS Sales Manager
KW, QA, BH, OM & PK

13:30

End of day 3 & lunch

Master Classes – Track Two

09:00

Smart RMUs for distribution system

**Mohammed Al Jahwari**

Head of Channel Partner Segment

**Oliver Schrödel**Senior Key Expert Distribution Automation
Applications and Systems

Presented by

SIEMENS**Stefan Kramer**

Director of Power Automation Solutions

11:00

Coffee break

11:30

360° Renewables: Planning, sustainability & investment readiness.

**Pierre Chatenay**

Asset Operation Manager

Masterclasses

	 Milo Alani MD & Business Director Middle East & Northern Africa, Framatome  Yves Laurent Beck Senior Business Developer Hydro projects  Wissem Lejmi Senior Business Development Manager Middle East, Central Asia et Indian sub-continent  Lukasz Wiecek Nojoom Managing Director  Jethin Dutt BD BESS ME  EDF power solutions Presented by
13:30	End of day 3 & lunch
Master Classes – Track Three	
09:00	Shaping the future of HV transmission: blue switchgears and digital instrument transformers  Dipl.-Ing (FH) Matthias Steuer Portfolio Consulting Professional  Celine Saba Customer Contact Team Berlin Factory  Presented by



Speakers

Speakers



Eng. Abdullah Al Wahaibi



Eng. Ala Hassan Moosa



Dr. Carole Nakhle



Frank Wouters



Maryam Al Hashimi



Hamed Saleh AL Foori



Peter R. Styles



Hisham Hassan Moosa



Dr. Abdullah Al Abri



Dr. Talal Al Aulaqi



Mohamed Ahmed



Eng. Hashim Al Zahrani



Frederic Delhumeau



Abdullah Al Habsi



Abhishek Kar



Kalyan Tata



Speakers



Dr. Maximilian Zundel



Timo Geiger



Mr. Ali Khandani



Dr. Khalfan Al Kharusi



Humaid Al Naabi



Hamada Diab



Flemming Christensen



Smiljan Music



Naim Echarach



Alaa Alkiyumi



Mohammed Salim AL Ghenaيمي



Hesham Badahdah



Yousuf Al Hadi



Mohammed Al Sumri



Mahdi Abdelkhalek



Shinoona al Aisari



Speakers



Waqas Hussain



Siddiqa Al Lawati



Dr. Asma Al Maqbali



Steve Lemoine



Alan Freeman



Prof. Kamaruzzaman Sopian



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Amer Moustafa



Dr. Mazin Al Shidhani



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Saju Nair



Ashraf Omair



Anoop Anand



Mohammed Al Jahwari



Oliver Schrödel



Stefan Kramer



Pierre Chatenay



Milo Alani



Yves Laurent Beck



Wissem Lejmi



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