



Advancing turbomachinery innovations and strategies for net-zero pathways

12th IGTC, 14-15 October 2025, Brussels, Belgium



Programme



<https://etn.global/events/igtc-25/>

The event is sponsored by:



Gold & Silver Sponsors



Allround company in the energy transition

NEM is an allround and committed partner in the global energy industry, supporting the transition toward a decarbonized world. NEM's contribution includes developing innovative products aligned with market trends and converting existing installations to lower-emission operations.

The growing share of renewable energy sources like wind and solar requires today's power grid to become more flexible and responsive. Open cycle gas turbines (OCGTs) play a key role in meeting these demands, but their NOx emissions present challenges. NEM's Selective Catalytic Reduction system using tempered air (T-SCR) provides a reliable solution, enabling OCGTs to deliver flexible power while meeting strict emission regulations.

NEM also offers robust, flexible, and future-ready Heat Recovery Steam Generator (HRSG) designs. With hundreds of units installed and decades of experience, NEM HRSGs meet today's needs and are the first certified for 100% hydrogen use in combined cycle plants, reflecting our commitment to innovation and the energy transition.

Visit our website for more information: www.nem-energy.com



Figure 1:
Alexander Wisse,
CEO, Nem Energy

"Being part of ETN Global strengthens our ability to connect with key stakeholders who are shaping the future of the energy industry. These relationships formed through ETN Global are essential — they help us align with industry needs and develop new ideas, collaborations, and partnerships. Our Heat Recovery Steam Generators (HRSGs) and exhaust systems are critical components that complement gas turbines, enhancing overall plant efficiency, reducing emissions, and supporting more flexible and reliable power generation. As part of the ETN Global community, we're proud to contribute our expertise in these areas and to help drive innovation in integrated gas turbine systems. We look forward to continuing these valuable conversations — and meeting you at IGTC2025".



Quiet and clean solutions

Aarding, Peerless, and Burgess-Manning, part of the CECO Environmental group of companies, have built a global reputation as leaders in the design, engineering, and supply of gas turbine exhaust systems.

With over six decades of experience, we deliver high-performance solutions that meet the power industry's growing demand for safe, quiet, and clean energy systems.

Our portfolio covers exhaust systems for the full range of gas turbines, from standard small peaker units to the most advanced Hot SCR systems behind heavy-duty gas turbines.

Backed by strong references, our technology-driven solutions address high-temperature and cyclical operations, multiple fuel types (including hydrogen and alternative fuels), and the latest technologies in emission and noise control. Over 32,000 air pollution control systems have been delivered and commissioned, removing more than 4.4 billion pounds of pollutants annually, the equivalent of emissions from 50 million passenger cars.

We invite you to discover how we can support your current and future power projects by driving innovation for a cleaner and quieter tomorrow.

Explore our full offering on our website: www.aarding.com



Figure 2: Martin Pranger, Managing Director, Aarding

"We're proud to support IGTC as a Gold Sponsor this year. This event brings together the leading and brightest minds in the gas turbine industry. It's a great opportunity for our Aarding, Peerless, and Burges Manning brands to showcase our capabilities on gas turbine exhaust systems. Our contributions support energy transition goals focused on reducing emissions, enabling cleaner energy production, and enhancing the reliability and uptime of industrial equipment. We strongly believe that working with this global community helps us stay at the forefront of innovation and strengthens our mission to protect people, the environment, and industrial equipment."



Working together to power the future - let's connect

At Woodward, we know that meaningful progress starts with collaboration. That's why we're placing a renewed focus on engaging directly with the customers who use our solutions, so we can better understand your challenges and support you more effectively.

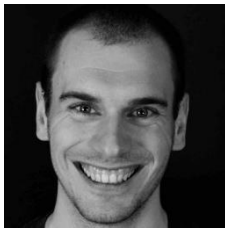
With over 150 years of experience in power generation, Woodward has supported asset owners and OEMs in delivering reliable and cleaner energy. In today's rapidly evolving energy landscape that is shaped by decarbonisation, alternative fuels, and the integration of renewables, we remain a trusted partner, helping customers extend the life of their assets while preparing for the future.

From upgrades and repairs to control systems designed for alternative fuel compatibility, our goal is to keep your systems running efficiently and reliably, today and tomorrow. We're here to listen, support, and respond, whether it's technical insights, operational feedback, or ideas for improvement.

Whether it's a question, a challenge, or a suggestion, we want to hear from you. We aim to build stronger relationships and trusted partnerships for the long term.

We're excited to be part of IGTC2025 in Brussels and look forward to connecting with you in person. Visit us at our booth for a conversation, we're keen to hear your insights, understand your needs, and explore how we can support your objectives.

Visit our website for more information at www.woodward.com



*Figure 3: Matthijs
Koreman, Manager
– Aftermarket
Europe, Woodward*

"At IGTC2025, we are proud to bring our experience and expertise to the ETN Global community. As a long-standing partner in advancing reliable and sustainable control system solutions, we see this event as an important opportunity to share insights, exchange ideas and connect with partners across the industry. We are looking forward to welcoming you at our table, learning from your perspectives, and continuing the valuable conversations that drive innovation and shape the future of our sector."



Contributing to a greener world

Founded in 1923, and with a legacy in the gas turbine market dating back to the mid-1960s, Braden delivers world-class solutions that accelerate the energy industry's transition to a decarbonised future.

Our extensively proven portfolio covers small, medium, and large gas turbines - both aero and heavy industrial variants – featuring advanced combustion air filtration and intake systems, exhaust stacks & bypass systems, and NOx and CO emissions reduction technologies designed for natural gas and hydrogen blends. We also provide complete turnkey plant upgrades, aligning ageing assets to current day codes, standards, and legislation compliance - contributing to a greener world.

With more than 5,000 systems installed across 100 countries, Braden serves the power generation, oil & gas, petrochemical, and industrial sectors. By partnering with OEMs, plant owners, and operators, we transform plant performance and help meet the toughest efficiency and environmental goals.

At Braden, everything we do is guided by our commitment to safety. Our Start with Safety initiative reflects this responsibility - protecting our most asset, our people. This program empowers every team member to place safety at the forefront of every decision, fostering a culture of awareness and accountability.

As a proud sponsor of the ETN User Group, we honoured to stand alongside industry leaders who share our dedication to shaping a cleaner, smarter, safer, and more reliable energy future - together.

For more information on Braden, visit www.braden.com



Figure 4: Thomas Breuer, CEO

"At Braden, we are proud to sponsor the ETN Global International Gas Turbine Conference, because it represents what drives our industry forward - collaboration, innovation, and a shared commitment to progress.

We believe the future is engineered by people - driven by curiosity, empowered by technology, and united by purpose. Our vision is to accelerate the global shift to cleaner, smarter, and more dependable energy solutions. Events like these bring this vision to life, creating the platform where ideas are shared, partnerships are built, and together we accelerate the energy transition."

About the International Gas Turbine Conference

The International Gas Turbine Conference (IGTC) is ETN Global's flagship biennial event, bringing together the turbomachinery and energy community.

12th IGTC "*Advancing turbomachinery innovations and strategies for net-zero pathways*" will take place on 14-15 October at Tangla Hotel Brussels, Belgium.

The objective

IGTC offers a powerful platform to position your company at the forefront of the energy transition. It brings together global energy stakeholders to showcase the latest innovations, highlight user priorities, explore global market opportunities and build new partnerships.

The conference also provides a forum to engage with policymakers on the frameworks and conditions needed to enable the required investments. From net-zero strategies to cutting-edge R&D, IGTC highlights suitable applications and global opportunities for carbon-neutral fuels, CCUS, hybrid systems, and sustainable heat solutions.

For manufacturers, suppliers and service providers it is an unmatched opportunity to connect with the global user community and policymakers, gain visibility and demonstrate leadership in delivering tomorrow's energy solutions.

Parallel technical sessions

Designed around the needs of the gas turbine user community, these sessions address key R&D priorities essential for advancing turbomachinery. Showcasing the latest technology developments and innovations, they offer a balanced view of operational, environmental, and cost-related challenges.

Keynote and panel sessions

Focused on net-zero strategies and technical pathways, these high-level discussions will address capacity gaps, flexibility needs, low-carbon solutions, energy efficiency opportunities, and product sustainability. Distinguished experts and high-level policymakers will explore how energy policy frameworks can better align with market needs.

Attendees

The turbomachinery and energy community: utilities, industrial operators, energy companies (including oil & gas, pipeline operators and LNG companies), gas turbine manufacturers, suppliers and service providers, consultancies, research centres, universities, international analysis & forecasting organisations and policymakers.

Registration

To register to the event, please visit the [12th IGTC event webpage](#).

Accommodation

ETN Global's 12th IGTC will take place at Tangla Hotel Brussels. Special price via [booking link](#) only.

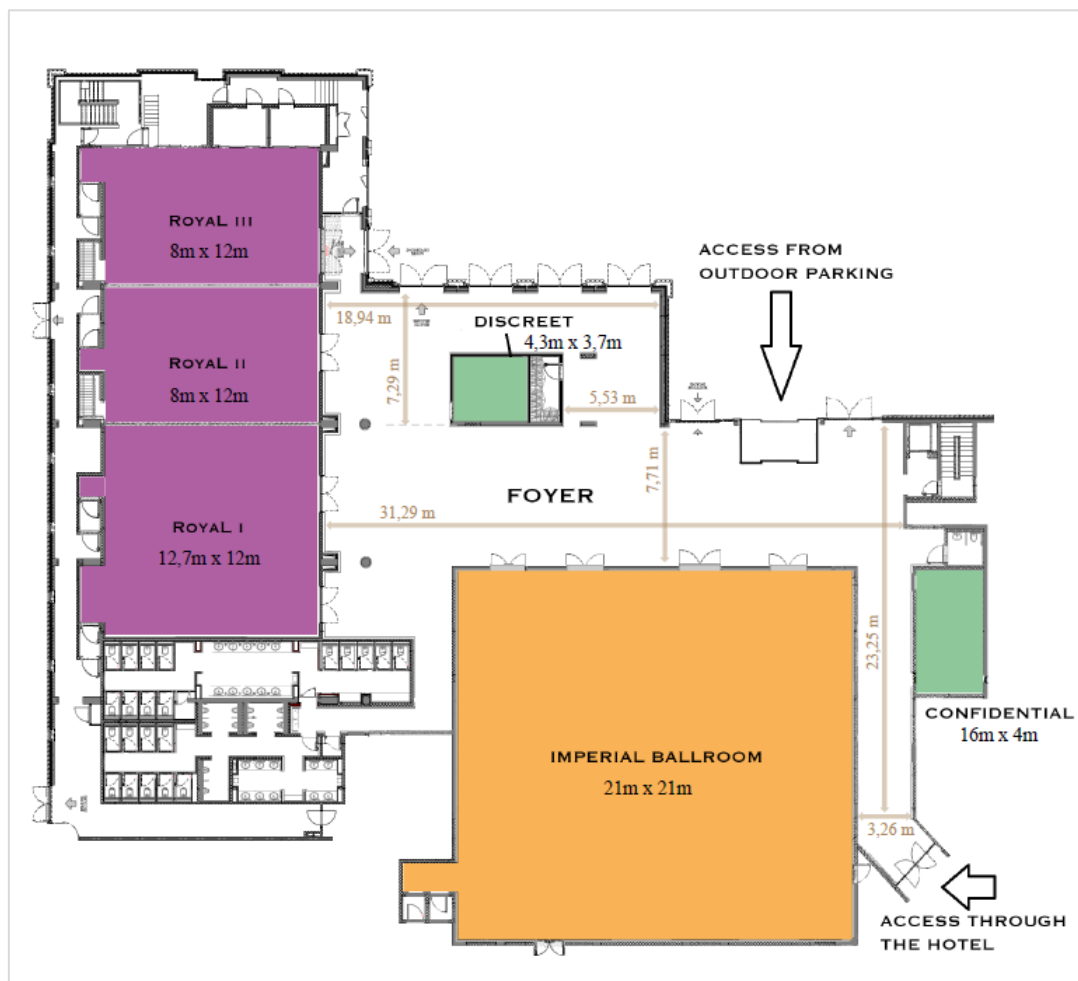
Conference venue



Tangla Hotel Brussels (address: Avenue Emmanuel Mounier 5, 1200 Woluwé-Saint-Lambert, Brussels, Belgium) is conveniently located close to the Brussels Airport (BRU) (15 minutes by taxi or 35mins by bus R59).

The entire event area will be dedicated solely to attendees of ETN Global's 12th IGTC:

- **Royal Room I** is reserved for lunch and coffee breaks.
- **Royal Rooms II-III** and the **Imperial Ballroom** will host keynote panels and technical presentations.
- **The Foyer** is reserved for sponsors' booths.



Keynote speakers



Christer Björkqvist, ETN Global

Christer Björkqvist is the Founder and Managing Director of the Energy & Turbomachinery Network – ETN Global, a user-driven association bringing together the full value chain to accelerate the deployment of safe, secure, affordable, and dispatchable carbon-neutral energy solutions.

With over 26 years in the industry, he has led international R&D initiatives, contributed to new ISO standards, serves on the American Society of Mechanical Engineers (ASME) Electric Power Committee and the Gas Turbine Energy Network (GTEN) Committee in Canada, and is a strong advocate for dispatchable carbon-neutral turbomachinery as a cornerstone of a secure and sustainable energy system.



Junior Isles, Editor-in-Chief, The Energy Industry Times & Energy Media Consultant

Junior Isles is the founder and Editor-in-Chief of The Energy Industry Times – a specialist international monthly newspaper. He has been a journalist in the power sector since 1989, having previously been editor of Modern Power Systems and Power Engineering International, and is a well-known commentator on the power industry. Junior also often appears at both public and private conferences as an accomplished moderator, and over the years has become a trusted colleague of key players in the industry.



Robert Schrecengost, Director of Advanced Energy Systems Division, Department of Energy, US

Bob Schrecengost has over 40 years of fossil power industry experience in leading technology development programs, leading emissions reduction projects, and solving combustion and operational issues.

Prior to joining DOE in January 2020, Mr. Schrecengost spent 12 years as the boiler R&D programme manager for Alstom Power and GE Steam Power, managing an R&D portfolio that included both internally- and externally-funded projects.



Toshinori Watanabe, Professor Emeritus, Senior Researcher, Department of Aeronautics and Astronautics, The University of Tokyo, Japan

Toshinori Watanabe received his Ph.D. in Aeronautics from the University of Tokyo in 1987. He studied at Aachen Technical University in Germany from 1991 to 1992 as a Humboldt researcher. From 1993 to March 2023, he worked at the Department of Aeronautics and Astronautics in the University of Tokyo as Associate and Full Professor.

He served as the President of the Gas Turbine Society of Japan in 2019 and the President of the Japan Society for Aeronautical and Space Sciences in 2017. In 2025, he was elected a Fellow of ASME.



Federico Bonzani, Chief Technology Officer, Ansaldo Energia

Federico Bonzani brings 25 years of experience in power generation and joined Ansaldo Energia in 1995, initially focusing on Combustion Technology.

After holding various engineering leadership roles in the Company, since 2020 he has served as Director of the Product and Technology Unit in Switzerland and Italy, currently reporting to CEO. His current scope oversees gas turbine, steam turbine and generator development and R&D budget management across Ansaldo Energia portfolio.



Vice President of Technology for Industrial & Energy Technology, Baker Hughes

Prior to joining Baker Hughes, Chris Pin Harry spent 21 years in Engineering and Technology across various sectors; namely Energy and Aerospace, for Rolls-Royce and Railways, for Alstom.

During his multinational career Chris has lived in Canada, United States, United Kingdom, Germany and now based in Italy.

His current responsibilities span across, leading the technology portfolio throughout the lifecycle of Baker Hughes' products and solutions.



Aad den Elzen, Vice President Power Generation & Strategic Growth, Solar Turbines

Aad den Elzen joined Solar Turbines in 1994 as part of Solar's European entity in Switzerland. Throughout his tenure, he has held positions in sales, customer service, marketing and business development.

Aad has spent much of his career in business development with increasing responsibilities for the sales and marketing operations in Europe and global sales for customer services. In 2016 Aad became Director of Business Development in Power Generation. He has held the position of VP since 2020. He is currently based in San Diego, California, US.



Alan Cortizo Suarez, Vice President Europe, Head of Sales, Mitsubishi Power

Alan Cortizo Suarez has close to 20 years' experience in the energy sector.

As VP Europe, Alan has played a pivotal role in the expansion and growth of the business in the region, focussing on CCGT and decarbonisation projects, since joining in October 2022.

Previously, Alan has held leadership positions across several globally recognised engineering and consulting firms including TSK, Accenture, Suzuki and Thyssenkrupp.

He has been based in Dubai (UAE) since 2018.



André Bosschaart, Head of Analytics, Montel

André Bosschaart has been active in the energy sector since 2005. He has worked 16 years on PZEM's trade floor in the Netherlands, which he managed for 5 years. André has represented PZEM in various roles for PZEM's assets, including a nuclear power plant, CCGT, CHP, biomass power plant and an offshore wind farm. In his different roles, André built up a wealth of knowledge on trading, flexibility, portfolio management, energy operations, and best-practices.

André is using his knowledge and expertise within Montel to develop forecasting models for the electricity market. The models are both developed for the short term as well as long term. Based on the Montel's long term projections André has advised many companies on their business cases for flexible assets.

Programme – 14 October

14 October 2025

Time	Session		
07:15 - 08:15	Registration at Tangla Brussels Hotel in front of Imperial Ballroom		
08:15 - 10:15	<p>Keynote session 1: Realigning policy and markets to tackle the energy trilemma in a changing world</p> <p>Chair: Christer Björkqvist, ETN Global</p> <p>Moderator: Junior Isles, The Energy Industry Times</p> <p>Speakers:</p> <ul style="list-style-type: none"> • Dennis Hesselting, Head of Gas, Coal & Power Markets Division, International Energy Agency • Robert Schrecengost, Director of Advanced Energy Systems Division, Department of Energy, US • Tudor Constantinescu, Principal Adviser to the Director-General, Directorate-General for Energy, European Commission • Toshinori Watanabe, Professor Emeritus, Senior Researcher, Department of Aeronautics and Astronautics, The University of Tokyo, Japan 		
10:15 - 11:00	Coffee break & expo		
11:00 - 12:30	Parallel technical sessions 1 + 2		
	<table> <tr> <td> <p>Technical session 1: Enhancing flexibility in operations - design, control and retrofit solutions</p> <ul style="list-style-type: none"> • <i>HRSG design for flexibility – switch-over at full load from simple cycle to combined cycle operation for F-class gas turbines</i>, NEM Energy. <ul style="list-style-type: none"> ○ Presenter: Gayathri Hariharan, Technology professional, NEM Energy • <i>Techno-economic investigation of solutions for decarbonising the thermal management of the stand-still state of combined cycles</i>, University of Genoa <ul style="list-style-type: none"> ○ Presenter: Alessandro Sorce, Associate Professor, University of Genoa • <i>Hydrogen blending and partial load control modeling: updated</i> </td><td> <p>Technical session 2: Hydrogen combustion- impact on performance, safety and emissions</p> <ul style="list-style-type: none"> • <i>Experimental and numerical investigation of hydrogen injection, spontaneous ignition and flashback in a lab-scale sequential combustor at high pressure</i>, DLR, SINTEF, Norwegian University of Science and Technology, Ansaldo Energia <ul style="list-style-type: none"> ○ Presenter: Peter Griebel, Head of High-pressure Experiments HBK-S Team, Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR) DLR • <i>Retrofitting of an Industrial DLN gas turbine combustor for fuel-flexible hydrogen applications</i>, PoliTo, Ethos Energy <ul style="list-style-type: none"> ○ Presenter: Salvatore Carusotto, Research </td></tr> </table>	<p>Technical session 1: Enhancing flexibility in operations - design, control and retrofit solutions</p> <ul style="list-style-type: none"> • <i>HRSG design for flexibility – switch-over at full load from simple cycle to combined cycle operation for F-class gas turbines</i>, NEM Energy. <ul style="list-style-type: none"> ○ Presenter: Gayathri Hariharan, Technology professional, NEM Energy • <i>Techno-economic investigation of solutions for decarbonising the thermal management of the stand-still state of combined cycles</i>, University of Genoa <ul style="list-style-type: none"> ○ Presenter: Alessandro Sorce, Associate Professor, University of Genoa • <i>Hydrogen blending and partial load control modeling: updated</i> 	<p>Technical session 2: Hydrogen combustion- impact on performance, safety and emissions</p> <ul style="list-style-type: none"> • <i>Experimental and numerical investigation of hydrogen injection, spontaneous ignition and flashback in a lab-scale sequential combustor at high pressure</i>, DLR, SINTEF, Norwegian University of Science and Technology, Ansaldo Energia <ul style="list-style-type: none"> ○ Presenter: Peter Griebel, Head of High-pressure Experiments HBK-S Team, Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR) DLR • <i>Retrofitting of an Industrial DLN gas turbine combustor for fuel-flexible hydrogen applications</i>, PoliTo, Ethos Energy <ul style="list-style-type: none"> ○ Presenter: Salvatore Carusotto, Research
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14 October 2025

Time	Session
	<div> <div> <i>designs and simulations</i>, EPRI, Modelon <ul style="list-style-type: none"> ○ Presenter: Jim Harper, Senior Principal Technical Lead, EPRI </div> <div> Assistant & PhD candidate, PoliTo <ul style="list-style-type: none"> • <i>Experimental investigation of minimum achievable NOx from low carbon fuels</i>, Georgia Institute of Technology, EPRI <ul style="list-style-type: none"> ○ Presenter: Benjamin Emerson, Assistant Professor, Georgia Institute of Technology </div> </div>
12.30 - 14:00	Lunch & expo
14:00 - 14:45	Keynote session 2: User priorities for a secure and net-zero energy future <p>Chair: Andy Williams, ETN Global Board member, Chromalloy</p> <p>Moderator: Mick Conway, RWG Repair & Overhauls</p> <p>Description: This session will spotlight perspectives from key user sectors: utilities, oil & gas, and industrial energy users, who are shaping the future of dispatchable energy. Based on insights from ETN Global's High-Level User Meetings in 2024–2025, speakers will outline their preferred net-zero pathways and the critical challenges that must be addressed to ensure a secure and commercially viable energy transition.</p>
14:45 - 15:45	Keynote session 3: OEM roadmaps & technology development: delivering on the energy trilemma <p>Chair: Christer Björkqvist, ETN Global</p> <p>Moderator: Rene Vijgen, ETN Global</p> <p>Speakers:</p> <ul style="list-style-type: none"> • Federico Bonzani, Chief Technology Officer, Ansaldo Energia • Christopher Pin Harry, Vice President of Technology-IET, Baker Hughes • Aad den Elzen, Vice President Power Generation & Strategic Growth, Solar Turbines • Alan Cortizo Suarez, Vice President Europe, Head of Sales, Mitsubishi Power • Tobias Wintz, Vice President Global Service Operations, Siemens Energy
15:45 - 16:15	Coffee break & expo

14 October 2025

Time	Session
16:15 - 17:45	Parallel technical sessions 3 + 4
	<div> <p>Technical session 3: Alternative fuels-powered turbines - solutions for decarbonisation</p> <ul style="list-style-type: none"> • <i>Enabling rapid decarbonisation of gas turbine power generation with hydrotreated vegetable oil</i>, Uniper <ul style="list-style-type: none"> ○ Presenter: Dr Jon Runyon, Gas Turbine Combustion Engineer, Uniper • <i>Demonstration of Methanol as a Sustainable Fuel for Gas Turbines: Emission Reductions and Performance Enhancements</i>, Siemens Energy Canada, Siemens Energy Inc, Industrial Turbine Company (UK) Limited Warwick, Net Zero Technology Centre <ul style="list-style-type: none"> ○ Presenter: Jacob Rivera, SGT-A35 Product Development Manager, Siemens Energy Canada Limited • <i>Use of methanol as a potential alternative fuel in a power generation gas turbine</i>, Cranfield University, Uniper Technologies Ltd <ul style="list-style-type: none"> ○ Presenter: Krzysztof Danielak, PhD student/researcher, Cranfield University </div> <div> <p>Technical session 4: Enabling next-gen turbomachinery - advanced techniques for component design</p> <ul style="list-style-type: none"> • <i>Bulk hydrogen production and the impact on turbomachinery lifing</i>, Cranfield Univeristy <ul style="list-style-type: none"> ○ Presenter: Stefano Mori, Lecturer in Energy and Materials, Cranfield University • <i>Gas turbines performance improvement enabled by additive manufacturing</i>, Siemens Energy <ul style="list-style-type: none"> ○ Presenter: Dr Vladimir Navrotsky, AM CTO, Siemens Energy • <i>AM enabled injection systems for enhanced fuel flexibility</i>, University of Stuttgart <ul style="list-style-type: none"> ○ Presenter: Fabian Hampf, PhD, University of Stuttgart </div>
18:15 - 19:15	Guests transported by busses from Tangla hotel to dinner event
19:30 - 22:30	Dinner event at Dolce la Hulpe, hotel & resort
22:30 - 23:00	Guests transported back to Tangla hotel

14 October - Keynote sessions

Keynote session 1: Realigning policy and markets to tackle the energy trilemma in a changing world

Keynote description

The global energy landscape is being reshaped by geopolitical tensions, shifting trade policies, and growing concerns over energy security. In response, governments and industry are adapting their climate strategies and R&D agendas to reflect a more pragmatic and regionally grounded approach to decarbonisation.

This keynote will provide an outlook on global energy markets and examine how shifting political priorities, rising tariffs, and supply chain disruptions are reshaping dynamics and prompting a recalibration of policy frameworks across key regions. It will ask whether the world is on track for the energy transition when viewed through a balanced energy trilemma lens—security, affordability, and sustainability. The session will also explore what adjustments are needed in national and international R&D programmes and investment frameworks to translate political ambitions into deployable, investable actions that can deliver a secure and successful energy transition

Keynote session 2: User priorities for a secure and net-zero energy future

Keynote description

This session will spotlight perspectives from key user sectors: utilities, oil & gas, and industrial energy users, who are shaping the future of dispatchable energy. Based on insights from ETN Global's High-Level User Meetings in 2024–2025, speakers will outline their preferred net-zero pathways and the critical challenges that must be addressed to ensure a secure and commercially viable energy transition.

Keynote session 3: OEM roadmaps & technology development - delivering on the energy trilemma

Keynote description

Following the user insights shared in the previous session, this panel will bring together senior OEM representatives to respond with their strategic vision, fleet development plans, and innovation priorities. The discussion will focus on how OEMs are aligning their technology roadmaps to meet evolving user needs, support policy objectives, and deliver carbon-neutral, dispatchable solutions.

Programme – 15 October

15 October 2025

07:15 - 08:15	Registration at Tangla Brussels Hotel in front of Imperial Ballroom	
08:15 - 10:15	Parallel technical sessions 5 + 6	
	<p>Technical session 5: Progressing hydrogen-readiness - field experience</p> <ul style="list-style-type: none"> • <i>HYFLEXPOWER project: power-to-H₂-to-power demonstration with 100% green H₂ in an SGT-400 gas turbine</i>, Siemens Energy, Engie, Centrax Ltd., National Technical University of Athens <ul style="list-style-type: none"> ○ Presenter: Ertan Yilmaz, Portfolio Manager Hydrogen & Green Fuels, Siemens Energy • <i>Cofiring 45% H₂ in F-class gas turbine: looking beyond the GT</i>, ENGIE <ul style="list-style-type: none"> ○ Presenter: Wouter Boelens, Green Fuels Engineer, ENGIE • <i>Hydrogen gas turbine (H₂GT) demonstration in South Korea at a purpose-built power plant validation facility</i>, PSM, Thomassen Energy, Hanwha Impact <ul style="list-style-type: none"> ○ Presenter: Nicolas Demougeot, Global Chief Engineer, PSM • <i>RWE Lighthouse Project case study: Moerdijk High Hydrogen Conversion</i>, RWE, GE Vernova <ul style="list-style-type: none"> ○ Presenter: Jappe Hoebe, Technical Consultant GT Flexibility, RWE 	<p>Technical session 6: Advancing CO₂ technologies - capture and storage technologies, and power cycles</p> <ul style="list-style-type: none"> • <i>Experimental impact of exhaust gas recirculation and hydrogen injection on the emissions and performances of a micro gas turbine</i>, UMONS, ENGIE Laborelec, DLR <ul style="list-style-type: none"> ○ Presenter: Ward de Pape, Associate Professor, UMONS • <i>Optimisation of CO₂ capture from natural gas combined cycle with hydrogen-assisted exhaust gas recirculation</i>, SINTEF, University of Florence, Baker Hughes <ul style="list-style-type: none"> ○ Presenter: Mario Ditaranto, Chief Scientist, SINTEF Energy Research • <i>Commissioning and testing of the STEP 10 MWe sCO₂ power plant in simple recuperated cycle configuration and model comparisons</i>, GTI Energy, SWRI, GE Vernova <ul style="list-style-type: none"> ○ Presenter: Daniel Dodd, Programme Director of Advanced Power Cycles, GTI Energy. • <i>Uncovering the economic tipping point between H₂-based gas turbines and CCS-enhanced gas turbines</i>, University of Mons <ul style="list-style-type: none"> ○ Presenter: Vincent Thielens, Research Fellow, UMONS
10:15 - 11:00	Coffee break & expo	
11:00 - 12:30	<p>Keynote session 4: Global gas turbine markets - regional pathways, shared challenges</p> <p>Chair: Tom Kavanagh, ETN Global Project Board, Uniper</p> <p>Speakers:</p>	

15 October 2025

	<ul style="list-style-type: none"> • André Bosschaart, Head of Analytics, Montel • Musa Tufekci, Gas and Steam Turbine Expert & Siavash Pahlavanyali, RINA
12.30 - 14:00	Lunch & expo
14:00 - 15:30	Keynote session 5: Delivering the transition - integration, optimisation & risk control Chair: Christer Björkqvist, ETN Global Moderator: Stefan Geisse, Scor Speakers: <ul style="list-style-type: none"> • Klaus Brun, Global Director, Research & Development, Ebara Elliott Energy Company • Sarah Kimpton, Vice-President, DNV • Tractabel (Speaker TBC)
15:30 - 16:00	Closing ceremony
16:00 - 16:30	Coffee break

15 October - Keynote sessions

Keynote session 4: Global gas turbine markets - regional pathways, shared challenges

Keynote description

This session will explore regional energy needs and the evolving role of gas turbines in supporting low-carbon energy transitions across various regions. While many countries share similar decarbonisation objectives, the actual pathways differ significantly due to local resource availability, policy frameworks, and energy security needs.

Through insights from North Africa, North America, and Southeast Asia, the speakers will highlight region-specific needs, challenges and opportunities, showcasing how flexible, dispatchable, and low-emission gas turbines can be integrated and tailored to local energy solutions.

Keynote panel session 5: Delivering the transition - integration, optimisation & risk control

Keynote description

This keynote panel will explore the critical enablers required to accelerate the transition of gas turbines and turbomachinery systems toward a decarbonised, hydrogen-ready future. From cross-sector infrastructure and integration to asset lifecycle management and digital innovation, the session will highlight how a strategic mix of technology, collaboration, and investment readiness is essential for addressing emerging energy demands. The objective is to provide guidance, best practices, and recommendations to support the integration of these new solutions in the most cost-efficient and effective way.