

WORLD ROTATING TECHNOLOGY & INNOVATION SUMMIT

26 -27 FEBRUARY 2026

HOTEL RIU PLAZA | BERLIN, GERMANY

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SPEAKER LINE-UP



Gordon Webster
Head of Special Projects
and Engineering
Score Group



Bob Stephen
Head of Steam
Turbines & Generators
– United Kingdom & Ireland
Siemens Energy



Sandeep Sharma
Director Mechanical
Engineering
Fluor Corporation



Reto Zueger
ENERGY TRANSITION
Senior Director, EMEA
Bloomenergy



Sam Snively
Global Director
of Project Engineering
Ebara Elliott
Energy



Hervé Botta
SBM Offshore Director
SBM Offshore



Federico Funghi
Digital Engineering Director
Baker Hughes



Craig Walker
Head of Digital Evolution
- GT Fleet at Uniper
Uniper



Mark Roberts
Head of Engineering
Evero



Scott Parent
Vice President and
Field Chief Technologist
Ansys



Jonathan Storer
Technical Director
Crestchic



Luca Frassinelli
Director of Engineering
Emerson



WORLD ROTATING TECHNOLOGY & INNOVATION SUMMIT

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We are pleased to announce the launch of the **World Rotating Technology & Innovation Summit** that will take place on **26th-27th of February 2026** in **Berlin, Germany**. This global gathering is dedicated to enhancing the performance, reliability, and efficiency of rotating equipment across key industries. Bringing together engineering leaders, R&D specialists, maintenance professionals, and technology innovators, the summit will explore cutting-edge developments in machinery design, diagnostics, and digital integration. From turbomachinery and compressors to pumps and generators, attendees will gain valuable insights into emerging technologies, predictive maintenance approaches, and sustainability-driven advancements that are reshaping the future of rotating systems. Join us to connect with industry pioneers, exchange practical solutions, and discover how innovation in rotating machinery is unlocking new levels of operational excellence in energy, manufacturing, aviation, and beyond.

Key Practical Learning Points

- Enhancing Operational Agility with Customizable Machinery Designs for Faster Deployment and Improved Flexibility
- Modernizing Industrial Operations through Seamless Integration of IoT and Smart Equipment Technologies
- Applying Digital Twin Solutions to Improve Equipment Lifecycle Management and Accelerate Innovation
- Mitigating Failure Risks with AI-Powered Condition Monitoring and Predictive Diagnostic Capabilities
- Deploying Robotics in Equipment Inspection and Repair for Greater Precision and Operational Safety
- Ensuring Reliability and Safety through Advanced Equipment Performance Analytics and Monitoring Tools
- Driving Sustainability with Energy-Efficient, Low-Emission Equipment and Environmentally Conscious Innovations
- Accelerating Innovation Cycles Using Cloud-Based Analytics and Real-Time Operational Data Integration
- Optimizing Asset Utilization Through Intelligent Scheduling, Resource Allocation, and Real-Time Performance Insights

Take A Look At Our Events



Venue

HOTEL RIU PLAZA BERLIN



Martin-Luther-Straße 1, 10777 Berlin, Germany
hotel.plazaberlin@riu.com | +49 30 2809000

Who Should Attend

This summit will bring together senior-level executives with expertise in:

- Engineering, Maintenance & Operations
- Reliability Engineering
- Innovation & Technology Strategy
- Research & Development (R&D)
- Rotating Equipment Manufacturing
- Product Design & Development
- Digital Transformation & Industrial IoT
- Condition Monitoring & Predictive Maintenance
- Sustainability & Energy Efficiency
- Mechanical Engineering
- Industrial Automation & Control Systems
- Smart Machinery & Connected Technologies
- Machinery Innovation & System Integration
- & Others!

Did you know?



Up to **60% of unplanned industrial downtime** is caused by failures in rotating equipment.

Source: Deloitte, 2024



70% of heavy industry assets must be modernized or retrofitted by 2035 to meet net-zero targets.

Source: IEA, 2025



Companies using **digital twins and predictive analytics** reduce maintenance costs by up to **30%**.

Source: McKinsey, 2025

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This agenda is not for public distribution

08:30 Check-In and Welcome Coffee ☕

09:00 Opening Address from the Chair

09:10 “Breaking the Ice” Speed Networking Session

Meet your colleagues, exchange business cards and have a maximum number of 1-on-1 talks in a short amount of time! Our Speed Networking session will help you to form those initial relationships early, find out who is facing the same challenges as you and get a nice preview of what a longer conversation could bring!

NAVIGATING NEXT-GEN INNOVATION IN ROTATING EQUIPMENT

09:50 AVAILABLE SPONSORSHIP SLOT



Mastering Rotating Machinery – Design, Dynamics, and Diagnostics

Exploring advanced approaches in the design and dynamic analysis of rotating machinery to enhance efficiency, reliability, and safety. Focus on vibration control, diagnostic methods, and predictive modeling to reduce failures and optimize performance across critical applications.

10:30 Case Study: 🔍

Aero-Mech Optimization Driven Design of GT Axial Compressor Blades

- End to end blade design and optimization platform
- Surrogate models and optimization strategies
- Enhanced accuracy in preliminary design phase through forced response, unsteady aero simulation and flutter analysis
- The role of SDM in data collection and reuse for AI

Federico Funghi

Engineering modelling and digital tools director
Baker Hughes



11:10 Morning Coffee and Networking Break ☕

11:40 Case Study: 🔍

Engineering Superior Efficiency Through Advanced Material Technologies

- Advanced Alloys: Wider use of duplex, super duplex, and nickel-based alloys for superior sour/chloride resistance.
- Protective Cladding: CRA cladding and weld overlays to safeguard casings and wetted parts cost-effectively.
- Improved welding & fabrication methods – New procedures and PWHT techniques reducing embrittlement and ensuring NACE MR0175/ISO 15156 compliance.
- Lifecycle optimization – Hybrid metallurgy strategies (CRA for critical wetted parts, carbon steel for non-critical sections) balancing performance and cost.
- Predictive design tools – Use of CFD, FEA, and corrosion modeling to assess stress-corrosion and guide metallurgy selection.

Sandeep Sharma

Director Mechanical Engineering
Fluor Corporation



12:20 Case Study: 🔍

Using Hybrid Solutions with Fuel Cells and Traditional Rotating Equipment in the AI Datacenters Industry

- What advantages can Fuel cells provide to the AI datacentre industry?
- What advantages can traditional rotating equipment provide to the AI datacentre industry?
- How can these products be deployed together to optimize the AI datacentre needs

Reto Zueger

ENERGY TRANSITION
Senior Director, EMEA
Bloomenergy



13:00 Business Lunch 🍽️

ACHIEVING OPERATIONAL EXCELLENCE THROUGH MAINTENANCE & RELIABILITY

14:00 Case Study: 🔍

Revolutionizing Gas Turbine Reliability: Advanced Valve Diagnostics and Asset Integrity Management

- Applying advanced valve diagnostics to detect early-stage anomalies and reduce the risk of unplanned downtime.
- Embedding asset integrity management frameworks to extend equipment life cycles and ensure long-term reliability.
- Harnessing predictive maintenance tools and real-time monitoring to optimize turbine performance and safety.
- Delivering measurable gains in availability, efficiency, and cost savings through data-driven engineering practices.

Gordon Webster

Head of Special Projects and Engineering
Score Group



14:40 Case Study: 🔍

Advancing Turbomachinery Excellence: Ebara Elliott Energy's Use of AI and Cutting-Edge Technologies for Efficient and Reliable Equipment

Advanced technology and AI are transforming turbomachinery development from RFQ to operation with improved efficiency and reliability. AI algorithms analyze specifications, usage, and testing data for optimized proposals and cost estimates. During design, dynamic simulations and generative design processes create tailored, high-performance equipment designed specifically for every customer. In manufacturing, automation and robotics craft complex part geometry that is unimaginable with traditional machine tools. AI predictive maintenance and augmented reality ensure precise installation and minimal downtime, while IoT sensors monitor performance for continuous improvement and proactive maintenance. These technologies enable cost savings and superior performance to meet modern industrial demands.

Sam Snively

Global Director of Project Engineering
Ebara Elliott Energy



15:20 Afternoon Tea and Networking Break ☕

15:40 Case Study: 🔍

Smart Load Testing: Accelerating Innovation and Reliability in Rotating Equipment *

As power systems and rotating machinery become increasingly digitalized, reliable performance validation is more critical than ever. This session explores how smart loadbank technology—integrated with IoT, cloud analytics, and digital twins—can transform how operators test, monitor, and optimize generators, turbines, and other rotating assets. Discover how Crestchic's approach to intelligent load testing enables predictive maintenance, reduces downtime, and supports sustainability goals through more efficient, data-driven equipment life-cycle management.

Jonathan Storer

Technical Director
Crestchic



16:20 PANEL DISCUSSION 🗣️

Key Takeaways & Future Outlook: Shaping the Next Era of Rotating Technology

Reflecting on the latest advances in design, materials, diagnostics, and digitalization, this session highlights how these developments are driving innovation, reliability, sustainability, and operational excellence, while offering forward-looking perspectives on the future of rotating technology.

17:00 Chair's Closing Remarks and End of Day One

18:00 Networking Dinner 🍷

08:30 Check-In and Welcome Coffee 

09:00 Day Two Opening Remarks from the Chair

UNLOCKING POTENTIAL WITH DIGITALIZATION AND SMART TECH

09:10 AVAILABLE SPONSORSHIP SLOT



Leveraging Generative AI for Enhanced Lifecycle Management of Rotating Equipment

Generative AI is redefining lifecycle management by enabling digital twins, performance simulations, and optimized maintenance strategies. By anticipating failures and extending equipment lifespan, it minimizes total cost of ownership while improving reliability, efficiency, and sustainability.

09:50 Case Study: 

Simulation and Digital Engineering, Delivering Higher Life Cycle Value Creation for Rotating Equipment

Simulation and digital engineering are transforming the management of rotating equipment throughout its lifecycle by enabling design optimization, predictive maintenance, and real-time performance monitoring using digital twins. These technologies help reduce risks through scenario simulation, optimize upgrade and retrofit planning, and support informed end-of-life decisions to maximize asset value. They also enhance operational efficiency by providing real-time insights into process tuning and control, which ultimately lead to lower costs and reduced downtime. By preserving operational knowledge through digital records and models, simulation and digital engineering offer ongoing value, extend equipment lifespan, and ensure safer and more reliable operations.

Scott Parent

Vice President and Field Chief Technologist
Ansys



10:30 Morning Coffee and Networking Break 

11:00 Case Study: 

Innovating Isolation Valves: Advancing Reliability and Efficiency in Rotating Equipment and LNG Applications *

- Exploring next-generation designs in isolation valves and their critical role in enhancing the reliability of rotating equipment.
- How advanced valve technologies contribute to safer and more efficient LNG processes under demanding service conditions.
- Integrating smart diagnostics and material innovations to reduce maintenance, extend lifecycle, and improve operational integrity.
- Case insights from recent Emerson developments highlighting performance gains in real-world industrial applications.

Luca Frassinelli

Director of Engineering Vanessa
Triple Offset & AEV C-ball valves
Emerson



11:40 Case Study: 

Modernizing Rotating Equipment Portfolios for a Decarbonized and Resilient Future

- Exploring strategies to upgrade turbines, generators, and associated systems to meet rising efficiency and sustainability requirements.
- Balancing traditional power equipment with new energy demands such as grid flexibility, renewables integration, and decarbonization.
- Leveraging digital monitoring and advanced service models to extend lifecycle value and ensure operational resilience.
- Practical insights from Siemens Energy on how modernization programs support both reliability and long-term sustainability goals.

Bob Stephen

Head of Steam Turbines & Generators
- United Kingdom & Ireland
Siemens Energy



12:20 Case Study: 

Engineering Steam Turbines for Carbon Capture: Modifications to Meet Net-Zero Demands

As carbon capture plants scale globally, steam turbines must be adapted to meet new duty cycles, pressures, and efficiency requirements. This session explores engineering modifications that enable steam turbines to operate effectively in post-combustion and oxy-fuel carbon capture environments. Attendees will gain insights into blade path adjustments, sealing and material considerations, and integration with capture processes. Case findings demonstrate how targeted upgrades enhance reliability and performance while supporting decarbonization and long-term sustainability goals.

Mark Roberts

Head of Engineering
Evero



13:00 Business Lunch 

14:00 Case Study: 

Advancing Offshore Energy Reliability: Rotating Equipment Innovation for FPSOs and Floating LNG

- Enhancing uptime and reliability of rotating systems in offshore environments.
- Applying predictive analytics and digital twins for condition monitoring.
- Retrofitting legacy equipment to meet decarbonization goals.
- Lessons learned from SBM Offshore projects with FPSOs and floating LNG.

Hervé Botta

Technology Director
SBM Offshore



14:40 Case Study: 

From Data to Performance: Driving the Digital Evolution of Gas Turbine Fleets *

- Turning real-time data into actionable insights for fleet-wide optimization.
- Predicting failures before they happen with AI-powered analytics.
- Unlocking new levels of flexibility to balance renewable integration.
- Delivering efficiency gains that cut costs and emissions simultaneously.

Craig Walker

Head of Digital Evolution
- Flexible Energy Gas Turbine Fleet
Uniper



15:20 Chair's Closing Remarks and End of Summit

* TBC

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by **December 5th**

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