

Introduction of the day 2: Session 2: energy efficiency, performance & decentralised energy systems

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ETN Global

Main Gas Turbine Pathways

Energy efficiency, performance & decentralised energy systems

- Increased energy efficiency and performance
 - Increased operational flexibility within emissions regulations (part-load and full load)
 - Centralised more efficient power hubs
 - Alternative GT cycles: Light and compact bottoming cycles (sCO₂)
 - Air filtration
 - CHP (district heating etc.)
- Hybridisation of gas turbines with renewables and energy storage to provide flexible and dynamic solutions
 - Demonstration of cost-competitive carbon-neutral systems
- Performance and reliability

Session 2: energy efficiency, performance & decentralised energy systems

Ehrlich 2 boardroom, 1st floor

Chaired by Peter Breuhaus, NORCE

08:30-10:00	<ul style="list-style-type: none"> • sCO₂ bottoming cycle, Marco Ruggiero, Baker Hughes • Thermal energy harvesting, David Sanchez, University of Seville • Combined heat and power technology and market developments, Enrico Bianchi, Ansaldo GreenTech
10:00-10:30	Coffee break
10:30-12:00	<ul style="list-style-type: none"> • ETN standard development: improving air intake filters in rotary machinery in harsh environments, Dominique Orhon, Total • ETN additive manufacturing WG activities and future prospects, Vladimir Navrotsky, Siemens Energy • Recent improvements on monitoring for reliability and performance, Siavash Pahlavanyali, RINA
12:00-13:00	Lunch & networking in Spagos restaurant on the ground floor

Session 2: energy efficiency, performance & decentralised energy systems

Chaired by David Sanchez, University of Seville

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| 13:00-14:20 | <ul style="list-style-type: none"> • Potential technology barriers/ cooperation opportunities for energy efficiency, performance & decentralised energy systems |
| Plenary session in Döblin 2 boardroom, 2nd floor | |
| 14:30-15:30 | <ul style="list-style-type: none"> • ETN hydrogen techno-economic study adapted to new market conditions, Jon Runyon, Uniper • Session summary reports, Session chairs • Conclusions/final remarks on pathways for the three sectors: utility, industrial, oil & gas, Christer Björkqvist/Rene Vijgen, ETN |
| 16:00-18:00 | ETN hydrogen working group meeting: Ehrlich 2 boardroom, 1st floor |