

Introduction of the day 2: Session 1: Low carbon fuels & carbon capture solutions

Christer Björkqvist, Managing Director,
ETN Global

Main Gas Turbine Pathways

Low carbon fuels & CCS solutions

- Alternative low-carbon fuels – GT retrofit solutions
 - Hydrogen (Blue, green,...) and blends with natural gas
 - Ammonia
 - Bio-/ E-methane (renewable H₂+captured CO₂)
 - Sustainable liqued fuels - methanol (limited to small distributed power generation –MGT, small GT)
- Improvement and deployment of CCS solutions – NG/LNG + CCS/CCUS
 - Exhaust Gas Recirculation (EGR)
 - Post-combustion solvents (liquid/solid)
 - Oxy-fuel cycles

Session 1: Low carbon fuels & carbon capture solutions

Döblin 2 boardroom, 2nd floor

Chaired by Peter Jansohn, ETN/Paul Scherrer Institute

08:30-10:00	<ul style="list-style-type: none">• Carbon capture solutions and demonstrations, Olaf Brekke, Equinor• ETN hydrogen combustion technology review paper, Felix Güthe, Phoenix BioPower• Hydrogen integration into thermal assets, Luc Gooren, Engie
10:00-10:30	Coffee break
10:30-12:00	<ul style="list-style-type: none">• Alternative fuels including availability Andreas Huber, DLR• Enclosure safety: gas turbine hydrogen fuels, Stefano Rossin, Baker Hughes/Chris Dagnall, DNV• Discussion
12:00-13:00	Lunch & networking in Spagos restaurant on the ground floor

Session 1: Low carbon fuels & carbon capture solutions

Chaired by Peter Kutne, ETN/DLR

13:00-14:20	<ul style="list-style-type: none"> • Potential technology barriers/ cooperation opportunities for low carbon fuels & carbon capture solutions
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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
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16:00-18:00	ETN hydrogen working group meeting: Ehrlich 2 boardroom, 1st floor
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