

# HVDC Operators' Forum 2025

## Agenda Wednesday 11 June (Day 1)



### Morning Session

**09:00** Teas, Coffees, Cakes and Registration

**09:30** **Welcome and Overview of the Event**  
*Ben Marshall, The National HVDC Centre*

**09:45** **Opening Session**  
*Calum Watkins, Ofgem*

#### Session 1 Operation & Maintenance

**10:15** **Introduction**  
*Ben Gomersall, The National HVDC Centre*

**10:25** **Operational Experience: Control Room**  
*Daniel Auty, National Energy System Operator*

**10:45** **Operational Experience: Project**  
*Cameron McHardy, SSEN Transmission*

**11:05** **Coffee Break**

**11:25** **Greenlink Interconnector**  
*Jonathan Ruddy, Greenlink Interconnector Limited*

**11:45** **Moyle Interconnector**  
*Sam Gibson, Mutual Energy*

**12:05** **Panel Q&A**

**12:35** **LUNCH & NETWORKING**



### Afternoon Session

**Session 2 Tours & Demos**

**13:35** **Start Time**

- **RTDS: EMT-TSA Co-simulation on RTDS®**  
*Sumek Elimban, RTDS Technologies Inc.*
- **OPAL-RT: Real-Time simulation of Hybrid AC-MTDC Grid with Blackbox controllers and MMC HIL**  
*Juan Paez Alvarez, OPAL-RT Technologies, Inc.*
- **Training Opportunities with the CMS HVDC Replica**  
*Shangen Tian, The National HVDC Centre*
- **Testing with the Moyle Replica**  
*Mutual Energy and The National HVDC Centre*
- **Extension Plans for The National HVDC Centre**  
*Ben Gomersall, The National HVDC Centre*

**Session 3 Construction & Commissioning**

**14:35** **Introduction**  
*Ben Marshall, The National HVDC Centre*

**14:45** **Supply Chain and Resource Gap**  
*Miriam Zachau Walker, DESNZ*

**15:05** **Grid Connection Simulation Tool (GCST)**  
*Jay Ramachandran, National Energy System Operator*

**15:25** **Coffee Break**

**15:45** **CMS Commissioning Strategy and Use of Replicas**  
*Sandesh Manohar & Mohan Gokulachandran, SSEN Transmission*

**16:05** **RTDS® Solutions for Large Scale Networks**  
*Sumek Elimban, RTDS Technologies Inc.*

**16:25** **Accelerating Multi-Fidelity, Large-Scale Simulations of IBR-rich HVDC/AC Grids for Real-Time Performance**  
*Jean-Nicolas Paquin, OPAL-RT Technologies, Inc.*

**16:45** **Panel Q&A**

**17:15** **Close**

**Event Dinner**

**11<sup>th</sup> June 2025**

**Westerwood Hotel – The Conservatory**

**Starting at 18:30**



# HVDC Operators' Forum 2025

## Agenda Thursday 12 June (Day 2)



### Morning Session

**08:30** Teas and Coffees

**09:00** **Welcome to Day Two**  
*Simon Marshall, The National HVDC Centre*

**09:15** **Guest Speaker**  
*Perry Hofbauer, SSEN Transmission*

#### Session 4 Design & Specification

**09:45** **Introduction**  
*Colin Foote, The National HVDC Centre*

**09:55** **Electrical System Design of Amprion's 2GW Projects**  
*Hendrik Köhler, Amprion*

**10:15** **Design Interfaces on EGL HVDC Specifications**  
*David Barron, National Grid Electricity Transmission*

**10:35** Coffee Break

**10:50** **SOFIA and Dogger Bank C: Progress Update on Interaction Studies**  
*Domagoj Hart & Sébastien Dennetiere, RTE international*

**11:10** **Developments in Synchronous Grid Forming Control for HVDC Transmission**  
*Carl Barker, GE Vernova*

**11:30** Panel Q&A

**12:00** LUNCH & NETWORKING



### Afternoon Session

Session 5 Forward Planning

**13:00** **Introduction**  
*Dong Chen, The National HVDC Centre*

**13:10** **Integration of DC systems in AC networks**  
*Afshin Pashaei, National Grid Electricity Transmission*

**13:30** **HVDC Grids, What Does the Future Look Like- Roadmaps Beyond InterOPERA**  
*Stig Settemsdal, Siemens Energy*

**13:50** **Development of Future DC Switching Station and DC circuit Breaker**  
*Lie Xu, Mitsubishi Electric Europe B.V.*

**14:10** **Aquila MVMT Demo**  
*Dong Chen & Others, The National HVDC Centre*

**14:55** **Wrap-up**  
*Ben Marshall, The National HVDC Centre*

**15:05** Close