



HVDC Operators' Forum 2022

Agenda 21st June – Day 1

-  **10:00** **Welcome and introduction to the HVDC Centre**
Simon Marshall, National HVDC Centre
-  **10:15** **HVDC in the North of Scotland**
Roddy Wilson, SHE Transmission
-  **10:35** **Shetland and Caithness Moray Station Control and Monitoring Update**
Lyle Flynn, SHE Transmission
- 10:45** **Questions to SHE**
-  **10:55** **Next steps for multi-terminal and DC grid**
Ben Marshall, National HVDC Centre
- 11:20** *Break*
-  **11:50** **Sofia Offshore Wind Farm**
Chris Smith, RWE
-  **12:10** **National Grid East Coast Offshore Reinforcements**
David Barron, National Grid Transmission
-  **12:30** **Session close down**
- 12:40** *Lunch*
- 13:40** **Experiences from a multivendor HVDC project - Virtual**
Sverre Skalleberg Gjerde, Equinor
-  **14:00** **Meshed offshore grids: challenges and solutions**
Sebastien Denetiere, RTEi
-  **14:20** **National Grid Interconnectors building the future on integration.**
Chris Smith, National Grid Ventures
-  **14:40** **Session close down**
- 14:50** *Break*
-  **15:20** **ScottishPower Renewables Offshore Projects update**
Priyanka Mohapatra, SPR
-  **15:40** **Moyle Project Update**
Stephen McCann, Mutual Energy
-  **16:00** **GB Grid Forming**
Antony Johnson and Dechao Kong, National Grid ESO
-  **16:20** **Planning considerations for HVDC**
Afshin Pashaei, National Grid TO
-  **16:40** **Wrap up and open floor questions**
- 17:20** *Close*

Gala Dinner
21st June 2022
Westerwood Hotel
Starting at 18:30



HVDC Operators' Forum 2022 Agenda 22nd June – Day 2



10:00

Welcome and introduction to the HVDC Centre

Simon Marshall, National HVDC Centre



10:10

R&D & Development priorities for HVDC on the path to Net Zero

Ben Marshall, National HVDC Centre



10:30

Recent developments in HVDC modeling for the RTDS Simulator

Paul Forsyth, RTDS Technologies Inc.



Software-in-the-Loop Use Case

Ian Cowan, HVDC Centre

11:15

Break



11:45

Would HVDC interoperability benefit from the provision of DC-side synthetic inertia by converters?

Bruno LUSCAN, SuperGrid Institute



12:05

The key role of DC protection design in delivering the future ambition of HVDC in scale and pace

William LEON GARCIA, SuperGrid Institute



12:25

Impact of Converters' Control on Power System Protection and Potential Mitigating Solutions

Qiteng Hong, University of Strathclyde

12:45

Lunch



13:45

Advanced Vector Control - increased stability through minor changes in control system software

Sean Kelly, Transmission Excellence Ltd



14:05

Global outlook for HVDC and scale-ability - Virtual

Carl Barker, GE Renewable Energy



14:25

A Pathway to Realising HVDC Grids

Paul Tooth, Siemens



14:45

Phasor Based Monitoring for HVDC Applications

Mohammad Golshani, GE Digital

15:05

Break



15:35

Reflection on next steps and their priority and wrap up

Ben Marshall, HVDC Centre

16:05

Close