Paris Session 2022



Real-time simulation facility for the Johan Sverdrup Phase2 project

SC B4 PS1/Q1.13

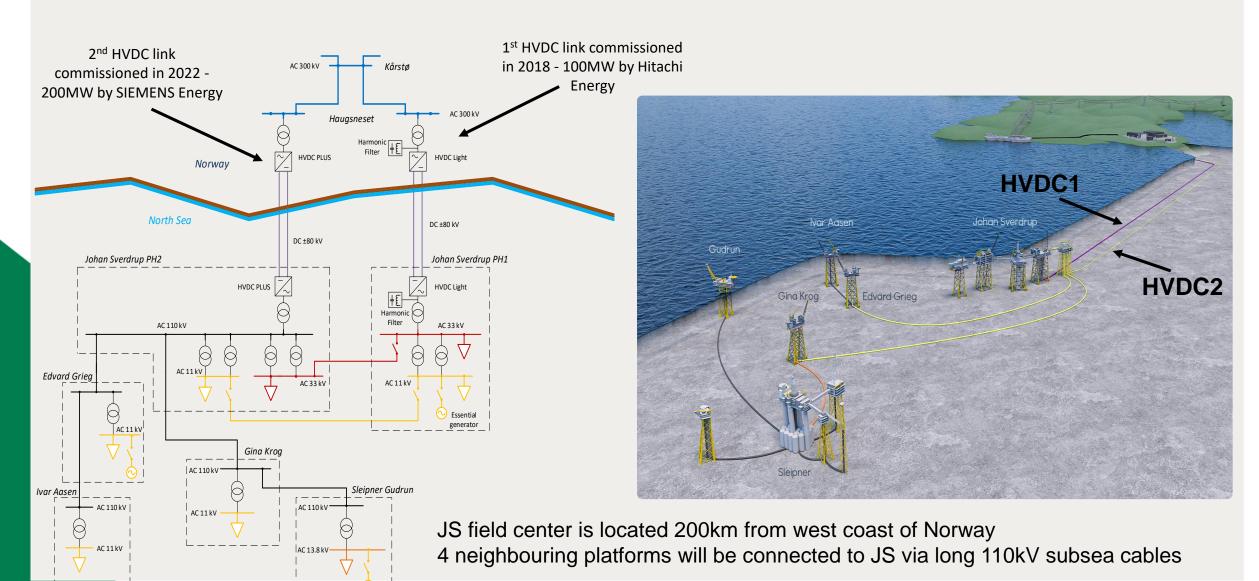
P.RAULT (France)



Group Discussion Meeting

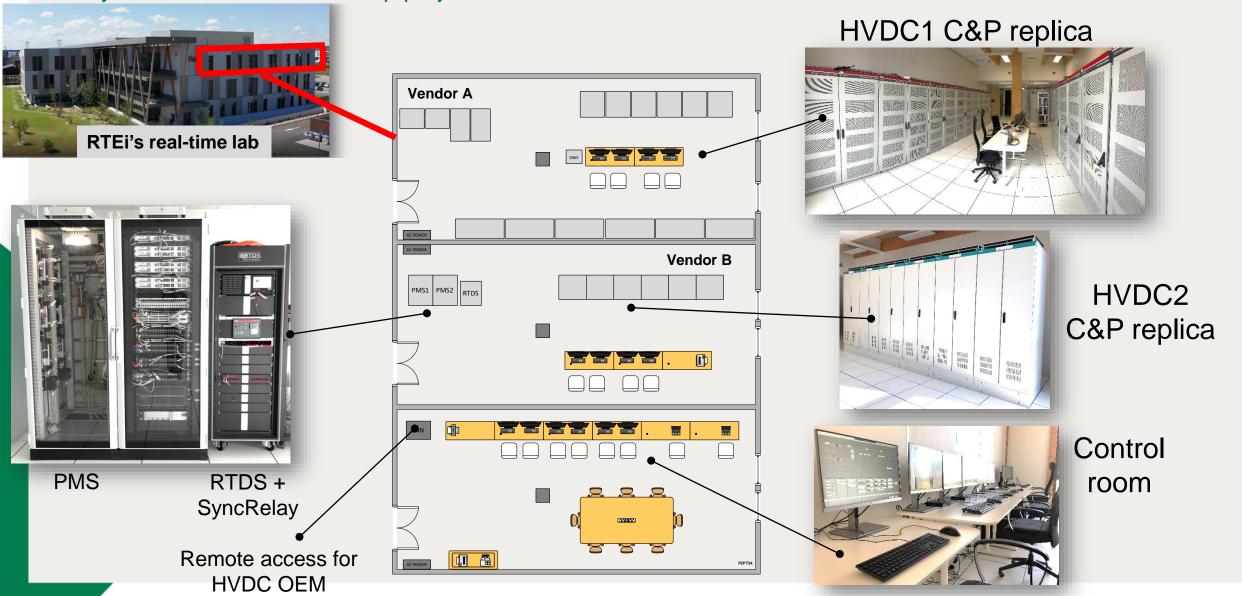
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First multi vendor offshore HVDC scheme Johan Sverdrup project



EMT studies to ensure secure power supply

Lab layout for the Johan Sverdrup project

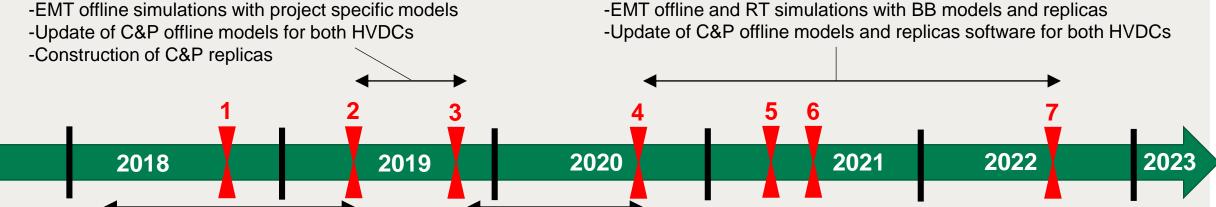


Time schedule and milestones

Parallel operation studies

- 1: Final specs for Power Sharing and secondary ctrl
- 2: First project specific offline model for HVDC2
- 3: Delivery of the first C&P replica (PMS)

- 4: Start of official parallel operation tests with C&P replicas
- 5: Dynamic performances in parallel operation are satisfactory
- 6: Lab relocation
- 7: Start of parallel operation on site



- Specifications of PMS
- Specifications of BB models and nterfaces
- Specifications of C&P replicas
- EMT offline simulations with preliminary models
- -EN spe -Up HV
- -EMT offline simulations with project specific models
 - -Update of C&P offline models for both HVDCs
 - -C&P replicas commissioning

