InterOPERA

Introduction





ABOUT INTEROPERA

The InterOPERA project will define technical frameworks and standards for electricity transmission and accelerate the integration of renewable energy. Ensuring that HVDC systems, HVDC transmission systems or HVDC components from different suppliers can work together – making them "interoperable"- is a top priority to accelerate Europe's energy transition.



DISCLAIMER:

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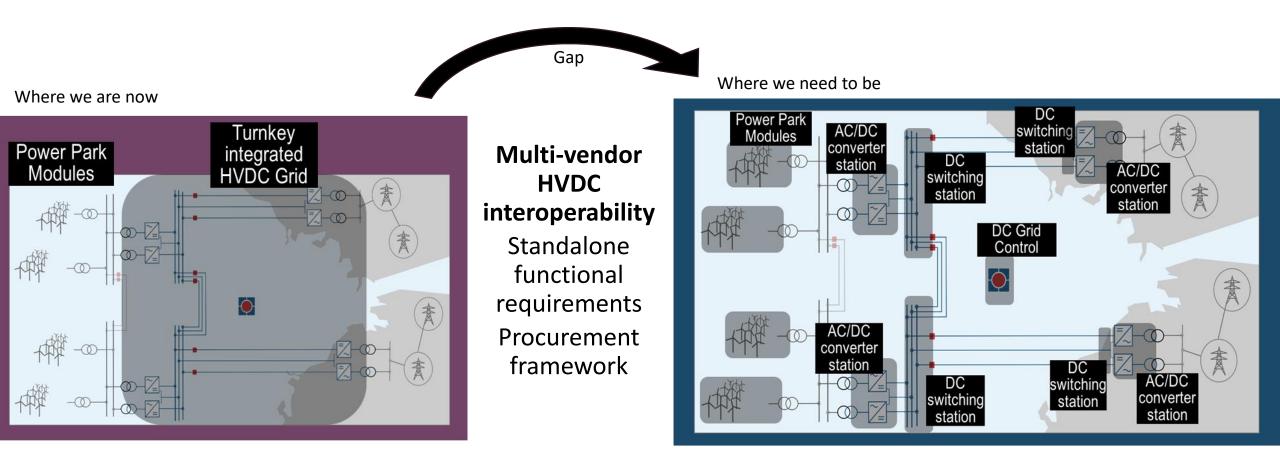
PROJECT DETAILS:

Duration: 1 January 2023 – 30 April 2027 Grant agreement: 101095874





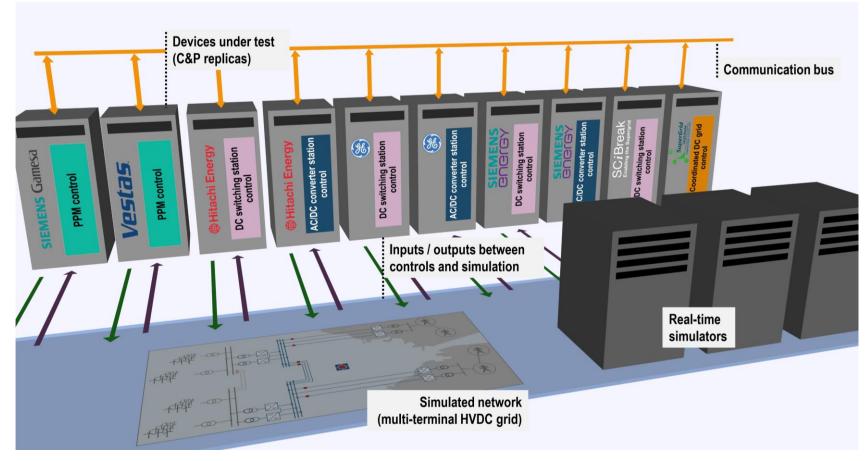
From proprietary integrated systems to modular building blocks





De-risking and learning process

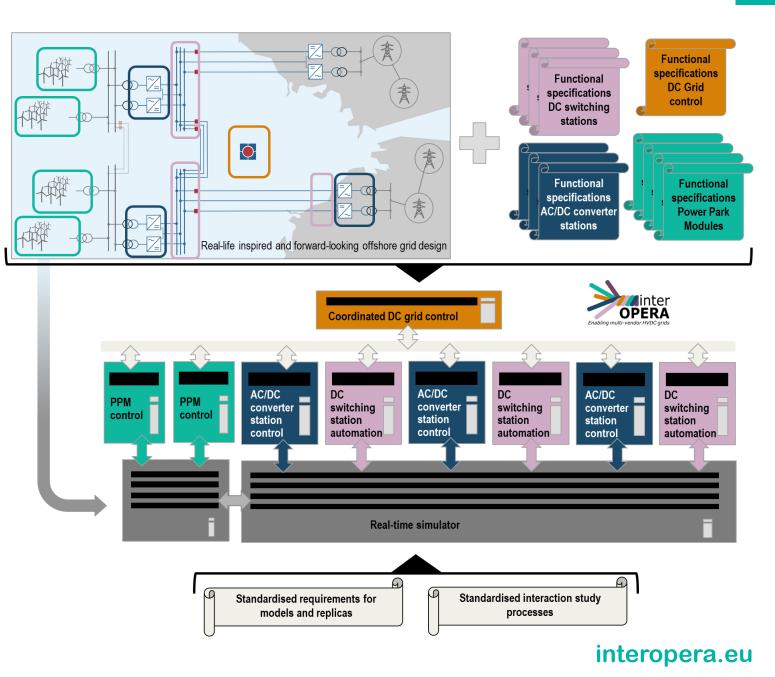
→ Perform integration tests with a real-time physical demonstration of a multi-vendor control and protection system including grid forming





Methodology

→ Develop relevant frameworks and perform full scope test activities to develop a real time physical demonstrator





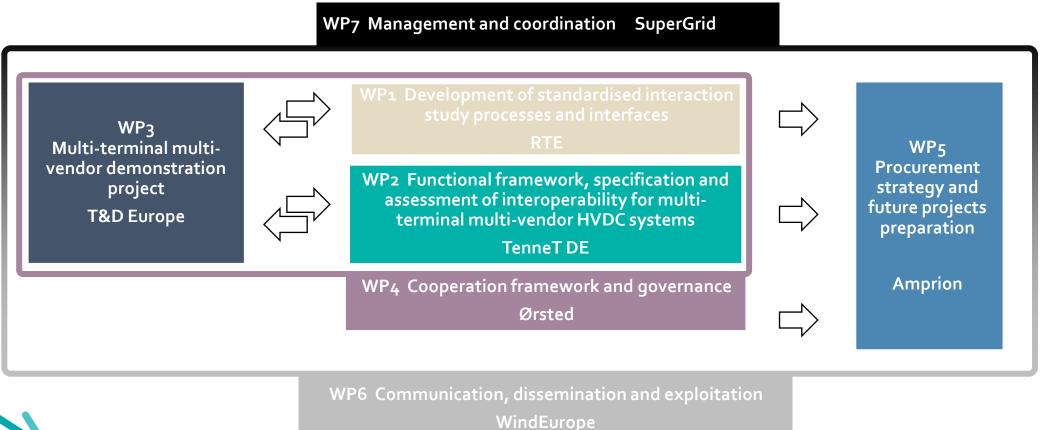
Project concept and objectives

A coordinated approach	 Between TSOs, wind developers, HVDC manufacturers and WTG manufacturers 4 years part of broader roadmap Engage with potential stakeholders and parallel activities
Demonstrated interoperability frameworks	 Operational, functional frameworks: modular build and standard interfaces Real project organization and procurement strategies Legal basis for complex multi-stakeholder cooperation
Enabling real offshore pilot projects	 Full scope of engineering activities Deliver a market ready solution Potential to facilitate tenders to be launched as early as 2027

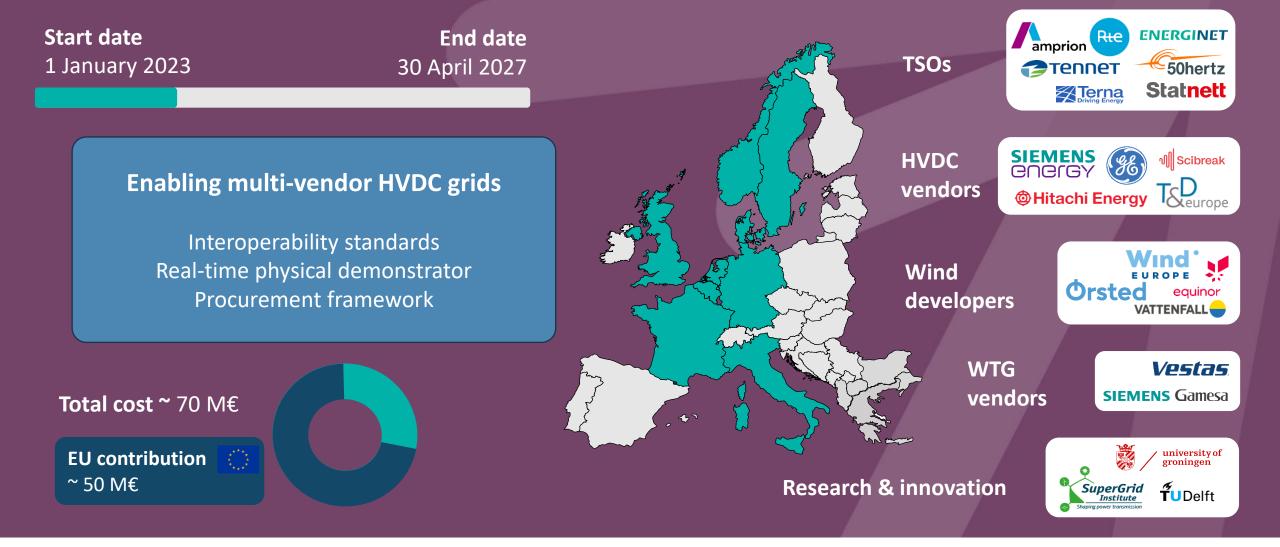


Project structure

Work Packages address current gaps for development of multi-vendor HVDC systems









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THANK YOU

