

PRESS RELEASE

PRYSMIAN DELIVERS INDUSTRY FIRST CABLE SYSTEM SOLUTION AT 245 kV TO ACCELERATE FLOATING OFFSHORE WIND PROJECTS

- Breakthrough follows three-year global R&D process.
- First player in the market to have such a wide dynamic systems portfolio from 72.5 kV inter-array to 245 kV export tail cables.

Milan, 6th March 2025 – Prysmian has made a significant breakthrough to accelerate the roll-out of floating offshore wind projects. Floating offshore wind, a technology which opens wind-power generation to previously unreachable areas due to the deep seabed, will be significantly boosted by this breakthrough, as Prysmian can provide high voltage dynamic cable systems that have been tailor-made for such conditions.

The new **245 kV HVAC dynamic cable** system will ensure that offshore wind projects will benefit from superior resistance, high mechanical performances and above all, boosted reliability to overcome the extremely challenging conditions at sea caused by the constant stress due to water currents and harsh conditions at sea. Prysmian is the first player in the market to have such a full portfolio of dynamic cable system from 72.5 kV inter-array to 245 kV export tail cables.

The 245 kV HVAC dynamic cable was manufactured at Prysmian's centres of excellence in Pikkala (Finland) and Arco Felice (Italy) and will be the enabler of floating offshore market opportunities in both Mediterranean and Northern seas.

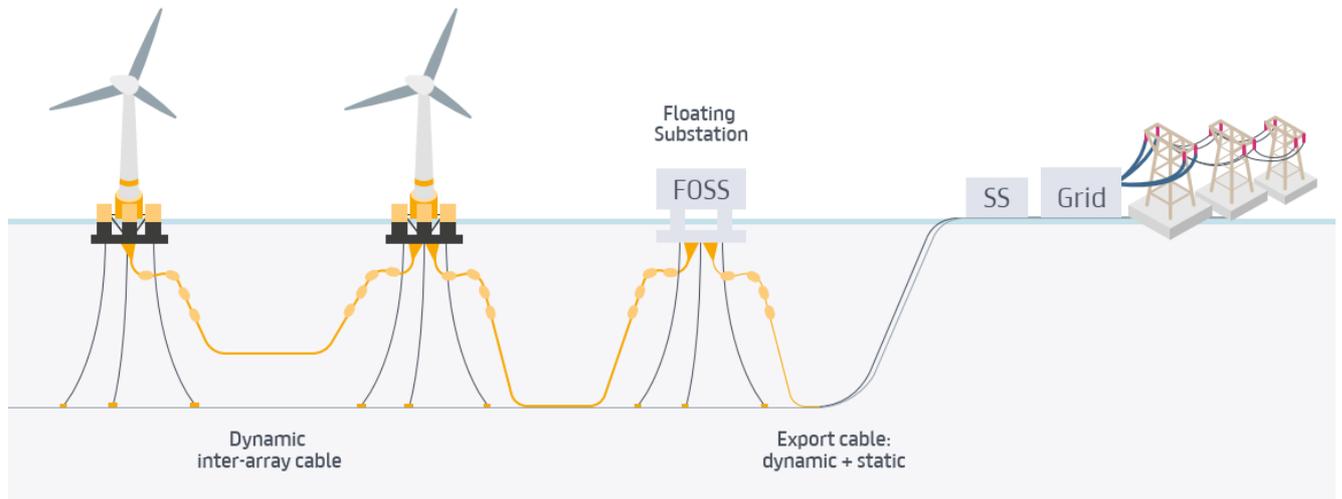
This achievement was part of Prysmian's innovation roadmap and follows the successful completion of Gruissan and Provence Grand Large pilot floating offshore wind farms in France, underlining Prysmian's global leadership in accelerating the delivery of Europe's energy security and transition.

CHAMPIONS OF INNOVATION – PRYSMIAN'S R&D SETS THE STANDARD

Prysmian's role as market leader is enabled by its consistent focus to drive new solutions that set industry standards. This three-year project was led by a cross-country team, bringing together Prysmian's global R&D know-how with its testing labs in Italy and Brazil – both for electrical and mechanical qualifications - where Prysmian was able to benefit from over 25 years of experience in developing product for oil & gas and umbilical applications, which significantly influenced the development of 245 kV dynamic cable system.

THE TECHNICAL DETAILS

Electrical and mechanical qualifications were conducted following international standards, including CIGRE TB490 and CIGRE TB862 and were witnessed by a third-party certification body. The qualification program also included a flex fatigue tests to prove the cable's life-long durability and performance for floating offshore wind applications.



Prysmian

Prysmian is a global cable solutions provider leading the energy transition and digital transformation. By leveraging its wide geographical footprint and extensive product range, its track record of technological leadership and innovation, and a strong customer base, the company is well-placed to capitalise on its leading positions and win in new, growing markets. Prysmian's business strategy perfectly matches key market drivers by developing resilient, high-performing, sustainable and innovative cable solutions in the segments of Transmission, Power Grid, Electrification and Digital Solutions. Prysmian is a public company listed on the Italian Stock Exchange, with almost 150 years of experience, over 33,000 employees, 107 plants and 27 R&D centres in over 50 countries, and sales of over €17 billion in 2024.

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