

Dubai, Haugesund, Cadiz, Singapur

Ensures Operational Reliability for Substation Platforms Worldwide



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NOVEMBER 2025. **Substations are high-performance facilities whose functions must be continuously monitored. This also applies to offshore substations, which currently connect offshore wind farms with energy generating capacities of up to 2 gigawatts under the challenging conditions of harsh marine environments. These offshore platforms are built in shipyards and then towed to their designated locations – often weeks en-route. Beforehand, all systems undergo rigorous testing. EuroSkyPark provides the satellite-based communications link required for these so-called Harbour Acceptance Tests (HATs).**

Commissioning offshore platforms is no small feat: every system of these high-performance critical infrastructures must be tested immediately after construction in particularly demanding functional trials. To that end, equipment manufacturers and systems engineers remotely access their installations while they are still in the shipyard and carry out thorough, comprehensive checks.

Once a platform is out at sea, the work becomes significantly more difficult – and far more expensive. The fundamental requirement for such tests – HATs – is robust, high-performance data connections that must operate fail-safely for power plants of this scale. EuroSkyPark provides secure, high-capacity connectivity for these platforms.



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Highest Requirements

This innovative engineering company thus assumes a crucial role in the implementation of such facilities: providing absolutely reliable communication channels – from the testing phase and secure final acceptance all the way through to commissioning the systems within the wind farm. “The system and plant technology installed in these offshore substations is supplied by globally active, well-known companies – and the demands on technology and security in this segment are extremely high,” explains EuroSkyPark CEO and founder Thomas Maul, describing one of the key challenges. “That is precisely why our customers rely on our fail-safe satellite connections, which have met these stringent requirements for years, even under particularly critical conditions.”

Service that enables success

Another key factor is the global service EuroSkyPark provides to its customers worldwide. Whether the shipyards are in Spain, Norway, Dubai, or Singapore – the EuroSkyPark team is on site, delivering essential groundwork. Once that is completed, the platform is towed to its final destination – again accompanied by a stable satellite connection and systems that remain fully operational at all times. Upon arrival in the offshore wind farm, the satellite link to the platform becomes a fail-safe backup connection at sea – ensuring that electricity continues to flow reliably to the mainland.

Further information online:

www.euroskypark.com/en/solutions

“Our unique advantage: We combine extensive experience and specially developed systems with global coverage and strong service capabilities.”

Thomas Maul, CEO and Founder of EuroSkyPark

