Case Study

Semco Maritime Collaborated with Airspan to Utilize P5G Capabilities for Wind Turbine Operational Safety & Improvement

Industry
Utilities

Location
Denmark

End User
Semco Maritime

Reference

Overview

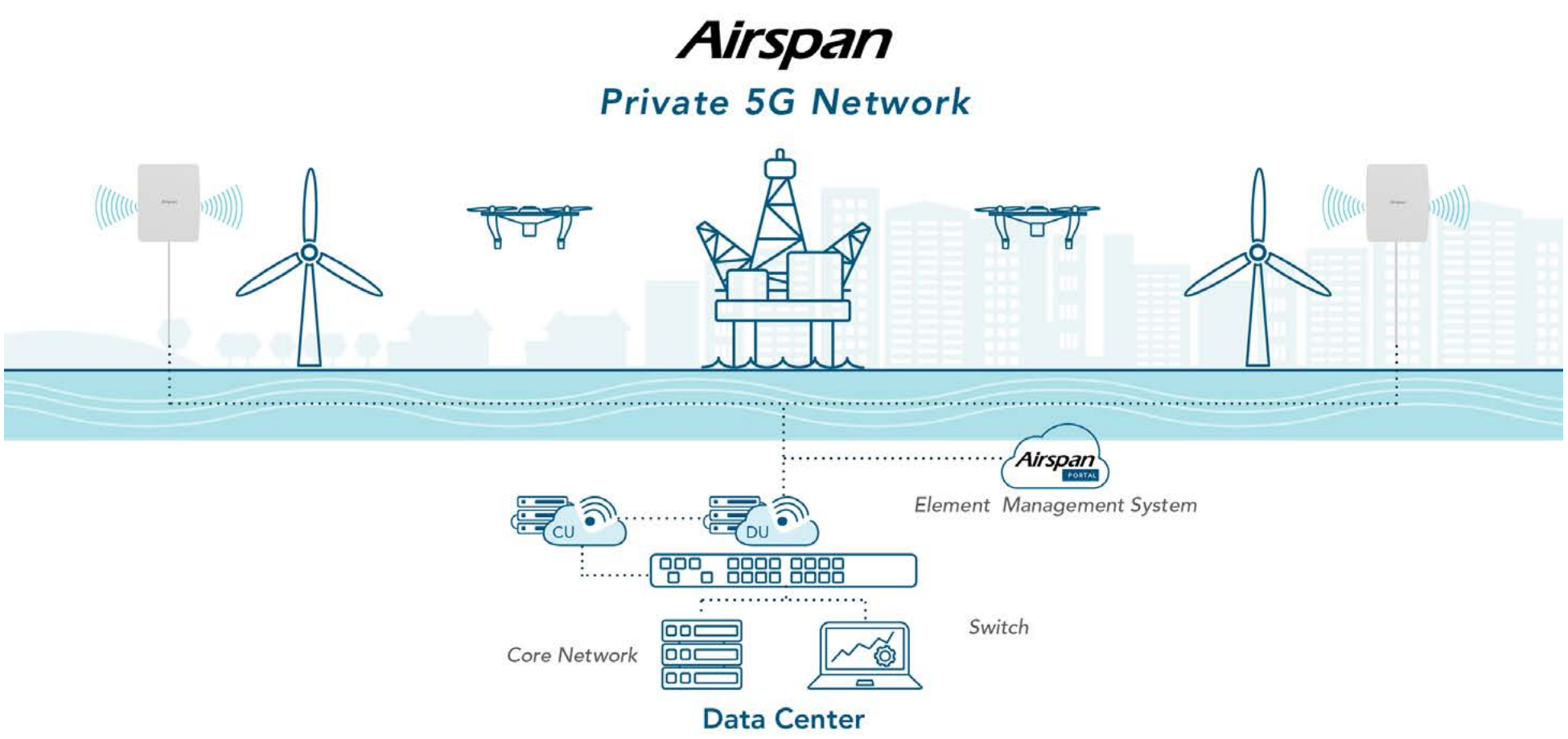
Semco Maritime, a renowned system integrator with extensive experience in offshore and maritime solutions collaborated with Airspan to bring state-of-the- art connectivity solutions to the forefront of wind turbine technology to ensure safety and operational excellence.

Challenges

The wind turbines measure with tower bases reaching up to 6 meters (20 feet) in diameter, heights of over 100 meters (328 feet), roughly equivalent to a 30-story building. These massive towering structures must be monitored and managed which requires reliable, secure, and mobile 5G connectivity. These requirements were achieved by using Airspan's small cell radio units which allows real-time performance monitoring, fault detection, and enhances safety protocols for workers.

Solution & Benefits

Airspan and Semco Maritime conducted a live demo showcasing several use cases utilizing 5G Airspan radios. These include connecting new safety devices, such as a defibrillator, enabling immediate communication with onshore doctors, demonstrating critical communications using MCX software for UEs MCPTT (Mission Critical Push-To-Talk communications, and deploying drones to monitor wind turbines. These scenarios highlight the critical role of reliable connectivity through Airspan solutions to ensure operational efficiency and safety within wind turbines.



Airspan

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