

## **in - innovative navigation GmbH was awarded a supply contract for the project Riffgat**

Kornwestheim, 19.07.2012 in-innovative navigation GmbH provides software modules for equipping the wind farm Riffgat as a sub-contract of the company ARCHE.



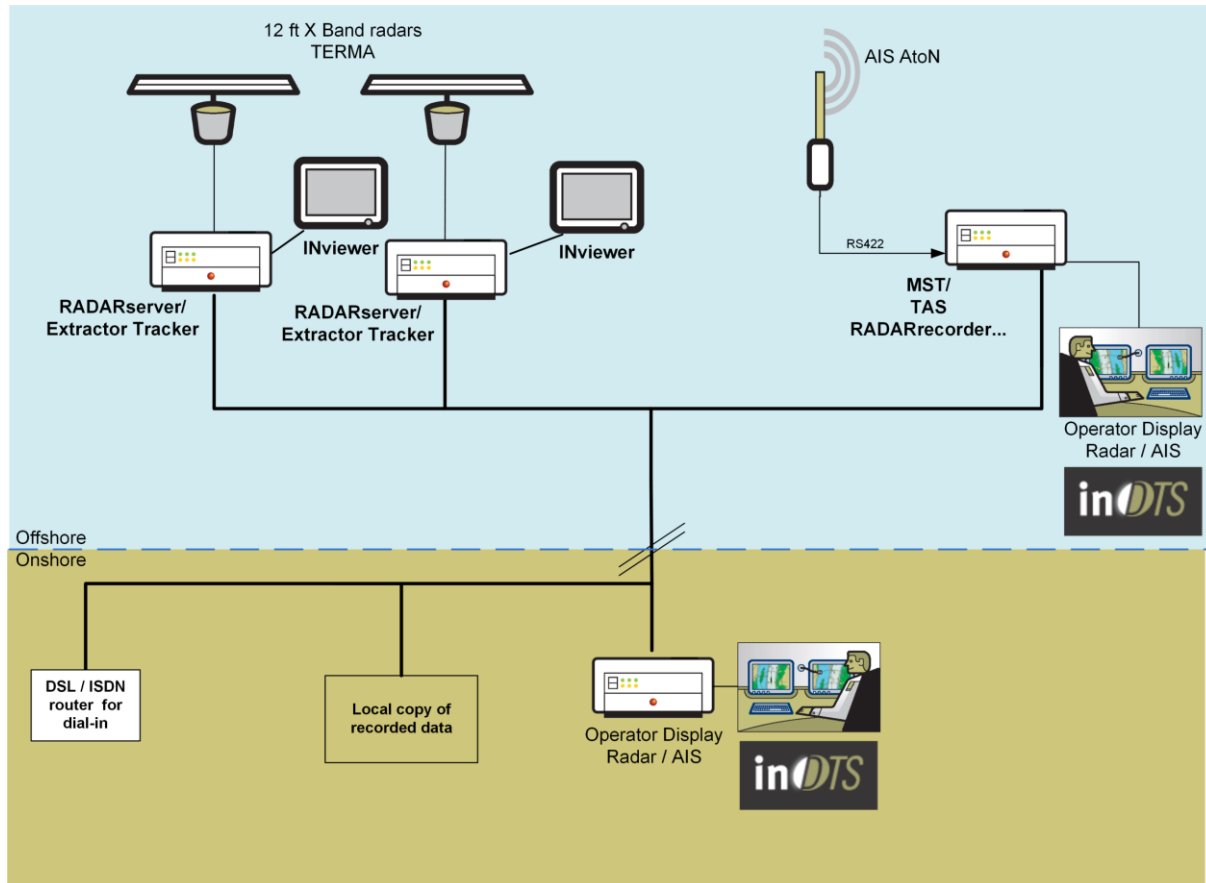
Riffgat is an offshore wind farm currently being built in the southern North Sea, 15 kilometers northwest of the Island of Borkum and north of the shipping lane bearing the same name. Its construction began already in May of this year, and commissioning is set for next year following the normal course. 30 wind turbines will then provide electricity for 120,000 households from summer 2013.

To prevent collisions and collateral damage, sea surveillance around and within the offshore farm is done by radar with simultaneous integration of AIS information.

Therefore, ARCHE Systems GmbH develops two 10 feet radar containers that contain the sensor technology for monitoring. The containers are placed directly on the wind turbine platforms at the outer ends of the park. For further processing of the data coming from the two TERMA Scanner 5102 radars, the company ARCHE relies on the proven software and hardware of in-innovative navigation GmbH. Their software and hardware components are already implemented in several coastal surveillance systems around the world, including the traffic service of the German coast, and they are also in operation in other wind farms.

Apart from the proven multi sensor data processing by the high-end software modules, the software component TAS (TrafficAnalysisSystem) will be used, which automatically recognizes traffic events due to filtering the sensor information and generating the appropriate warnings.

The ultra-modern display in *DTS* of in-innovative navigation GmbH is also part of the delivery. Here, all information is integrated in an ideal way and displayed to the operator on an electronic chart, thus, the current traffic situation is visible at a glance.



Furthermore, recording of all raw data will be available in the system and may provide accurate data and detailed information subsequently in case of an accident.

The system includes workstations for traffic monitoring on the transformer platform itself, on the island of Borkum as well as in the operations center at the coast in Norden. The first test runs and the pre-commissioning took place successfully this week in Willebroek, Belgium.

*about in-innovative navigation GmbH:*

*in-innovative navigation GmbH is a market leader in Europe for the development of tailor made software and hardware solutions in all areas of navigation, telematics and traffic surveillance. Core competence is the combination of all sensor information provided by radar, GPS, AIS radar, GPS, AIS on an electronic ECDIS chart display. inDTS and RADARpilot720° are the powerful display applications from in-innovative navigation GmbH for highest requirements in traffic monitoring that are in use either in VTS centers and coastal surveillance systems or in integrated navigation systems. By simulating traffic, inVNE provides a state-of-the-art solution either to test VTS/CSS systems built or for training operators.*

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