

Esbjerg, Denmark 13-04-2023

The global requirements for alternative and Renewable Energy are increasing the demand for an increase of offshore windfarms. The offshore windfarms are getting a huge contributor to the electrical power generation, and the typical capacity are between 600 MW up to 1.8 GW. To secure a stable operation, in an effective as well a safe way, the industry is demanding a modern and high-capacity communication systems, working independently from public network. This to the increasing distance to shore as well very high requirements on IT/OT security, that can't be obtained on a public 4/5G network.

In more countries like Denmark, UK, Norway the authority distinguishes between the 12 Nautical Miles from shore. Within a shorter distance from shore than 12 NM the commercial operators have the rights to all the commercial band (3.4-3.7 GHz is still available in more countries e.g., Germany) and with a distance greater than 12 NM the authority can assign frequency within the commercial bands for use in Private 4/5 G network. As an example, have Semco Maritime in UK a project where we have been assigned 700 and 1800 MHz.

I do understand that above is not the case In Nederland and its now in consideration to assign frequency in 3.4-3.7 GHz for offshore industry. Our input to this is to highlight the importance, not only for the site owner but for the whole society to secure the possibility to establish "green" alternative energy sources, and to make it possible to operate these in an effective and safe manner a 4/5G private network are a required.

Please feel free to contact me should further information be need from my side. I have included a short description of the use of 4/5G in the offshore industry.

Best regards

Per Holgersen
Business Development Manager, Telecom

Mobile +45 2075 8050
E-mail pho@semcomaritime.com



Semco Maritime A/S
Esbjerg Brygge 30
6700 Esbjerg
DENMARK
www.semcomaritime.com