

Project: LIFES 50+

LOCATION:

3 Sites

YEAR:

2015-2018

CLIENT:

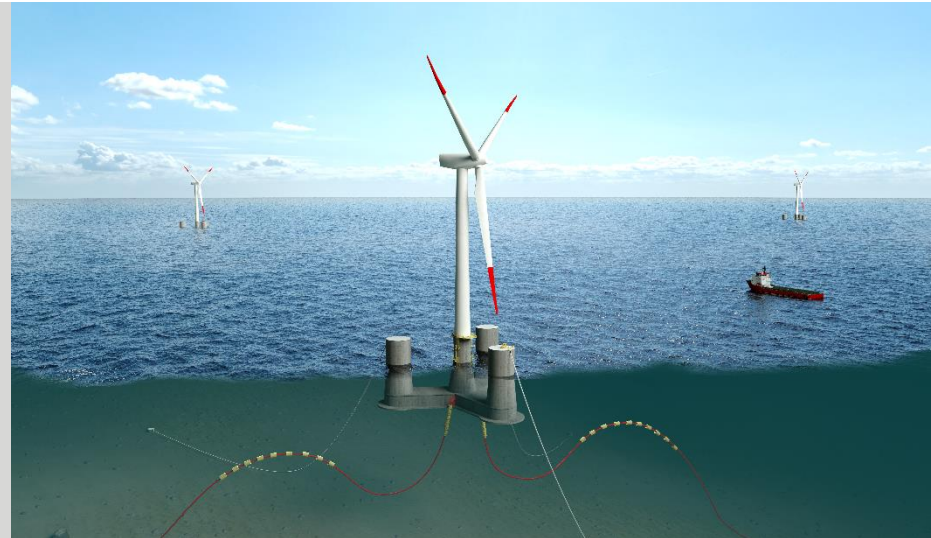
Horizon 2020 project

SCOPE/PHASE:

Conceptual development

PROJECT RESPONSIBLE:

Trond Landbø (tl@olavolsen.no)



Project description:

Lifes 50+ is a large research project under the Horizon 2020 program funded by the European Union, with a total budget of 7.3 MEUR and 12 partners. The aim of the project is to develop suitable and cost effective floating substructures for 10 MW wind turbines. The project includes four different concept providers that each will perform a concept a design for three different sites (West of Barra, Gulf of Maine and Golfe de Fos) with a 10 MW turbine. Conceptual design will be performed as a first phase of the project, and two concepts will at the end of this phase be selected for a second phase, including model tank testing. The project also include work packages related to risk, development of tools for life cycle cost of energy, model tank testing procedures, industrialization in addition to development of recommended practices and guidelines for design of floaters for large wind turbines.

Olav Olsen is one of the concept developers in the project, and will develop a 10 MW version of the OO-Star Wind Floater.