

## Innovative system developed to farm salmon offshore

Salmon and trout producer Erko Seafood AS and oceanic aquaculture engineering service provider Global Maritime AS have developed a new concept for offshore salmon farming called 'North Sea Fishfarm.'

It is a stationary base to be set up offshore, where it will act as a fish farming platform.

The goal behind the concept is to move salmon farming out of the fjords, beyond the coastline areas, and into the open ocean where it can benefit from larger production areas and volumes.

Both firms stress that this innovative concept, which could change the way farming fish currently takes place, is completely different from all the other concepts that have been implemented for concessions from the Norwegian Fishery Directorate.

They state that with this approach, both firms believe that it is possible to achieve huge improvements in relation to the environmental challenges currently faced by fish farmers.

A stationary platform, on the Norwegian continental shelf, located in the open sea will also be subject to extreme forces of nature. Therefore, a platform in such a location must have a solid, sound structure and be of a substantial size to withstand such forces.

Erko Seafood and Global Maritime have collaborated to bring forth this concept, following a feasibility workshop and study in Autumn 2016 and a conceptual study in 2017.

The work includes structural design, geotechnical studies, general arrangement of the installation, fish welfare – including fish technical equipment, hydrodynamic analysis of environmental loads on the net and structure, risk analysis, safety analysis (including evaluation of legislation, transport method evaluation and assembly and installation), and the cost estimation of design, build and operations.

**Lien article :** <http://fis.com/fis/worldnews/worldnews.asp?l=e&id=91785&ndb=1>