

# Project: VENGSØY BREAKWATER

**LOCATION:**  
Vengsøy (Tromsø-Norway)

**YEAR:**  
2016-in progress

**CLIENT:**  
Kystverket (Norwegian Coastal Administration)

**SCOPE/PHASE:**  
Concept study and detail design

**PROJECT RESPONSIBLE:**  
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**PROJECT DESCRIPTION:**  
Design of a 120 m long breakwater from an early phase. The design included the layout of the harbour.

It is a slope breakwater made of rubble mound with an armour layer of 1t at the trunk and 3T at the breakwater head.

The structure aims to protect Vengsøy fishing harbor from wind waves. A wave propagation analysis is carried out in cooperation with DHI to establish the operability and extremal environmental conditions, considering up to 7 different alternatives in the analysis.

