



ROESS_group



Project report

Temporary sea wave brake
barriers during port
reconstruction Rennesoy
Island Norway



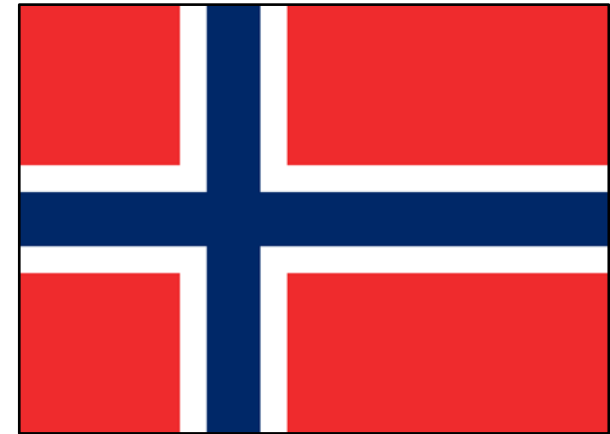
Site location

The site is located on Rennesoy Island Norway back up port Hanasand for ferries

Situation before renovation

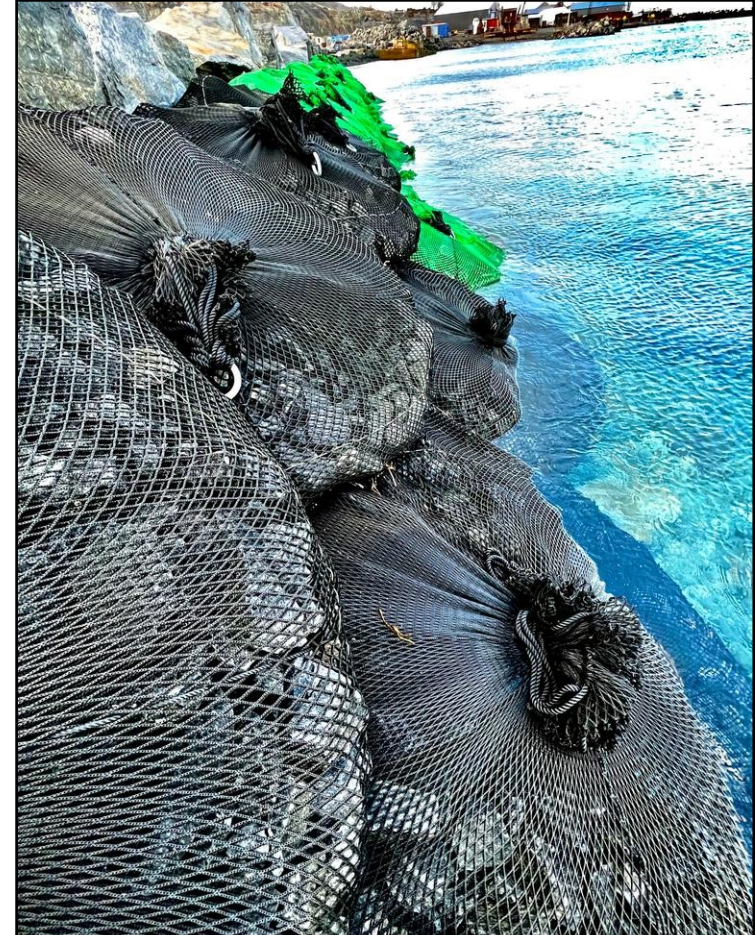
Port Hanasand on island Rennesoy Norway is used as back up for the main ferry port Mortavika near Stavanger.

As the port needed to be profoundly rebuilt and capacity increased, stone barriers were used to protect the site from the strong waves in this part of the island, but this was not enough, and an additional quick solution was needed to reinforce the protection.



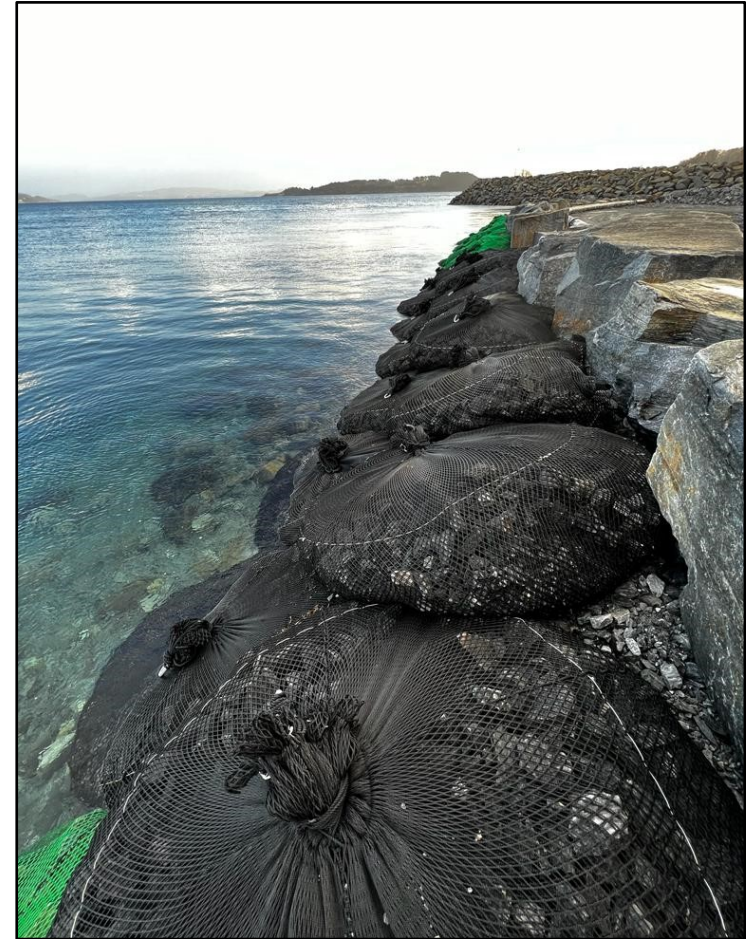
Design solution for reinforcement of the existing stone walls – description of the planned structure and cost saving

- 200 (2T AquaRockBags®) – were used
- Installation was done on site within 2 days
(instead 10 days using crash stones)
- Cost savings in material, excavator renting time and labor force are estimated at 40.000 €



Reasons for choosing AquaRockBags®

- The AquaRockBag® filling and installation process is quick, safe and easy which results in big savings on labour costs. (In this project the bags were filled on the port yard and immediately installed.)
- AquaRockBags® absorb water energy, preserves natural processes and minimizes the impact on the substrate.
- The AquaRockBag® in this case due the high performance will remain as permanent protection.



Project pictures during installation



Project video after installation



