

TMS Maritime is a leading UK specialist in marine civil engineering, ancillary floating plant and diving services

**Client: JCA Engineering Ltd**

Project Duration: 4 weeks  
Project Value: £217,455

**Project: Burgh Island Rock Revetment Installation**

### Requirement:

The base of a cliff on Burgh Island had been severely eroded, requiring the installation of several discrete concrete bases and rock armour.

Furthermore, the existing sea wall had also suffered damage, requiring the failed joints to be re-pointed as part of the same repair project.

### Solution:



TMS Ltd were awarded the contract to install the rock revetments at Burgh Island. The team excavated down to existing bedrock and installed dowels and shuttering into the rock. Concrete was then pumped in, to form a solid foundation. Carboniferous limestone, matching stone previously used along the coastline, was then imported to the site and placed on top of the concrete foundations to form the rock revetments. The placement of the rocks was done carefully using excavators to produce a tight -knit revetment with an overlap between the rocks to give strength and durability. Sand was finally replaced, covering some of the works below finished beach level.

At the same time, the existing sea wall was in need of repair where the joints had failed. The wall was cleaned and freed of loose debris before being re-pointed by our team using a lime cement.



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