

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

**Client: Gwynedd Council, Wales**

**Duration: 7 months**

**Project: Aberdyfi Wharf Improvements**

**Value: £3,300,000**

The project was funded through Welsh Government's Coastal Risk Management Programme (CRMP) with contribution from Gwynedd Council who managed delivery along with their Consultancy partners YGC. TMS Ltd took on the project as Principal Contractor: the works consisted of construction of a 240m long sheet piled quay wall, plus re-development of the quay wall to include access steps built into the structure to improve access for users and re-surfacing and access improvements to the Church Bay and RNLI Slipway.

Aberdyfi Quay is located in the small village of Aberdyfi in mid Wales some distance from logistical support, which presented unique procurement challenges. The high-volume tidal flow from the river into the estuary made work afloat particularly challenging. Close monitoring of tidal movement and weather windows was key to the project's success, however a good partnering relationship with the wider team meant other constraints were more easily managed. TMS and YGC actively engaged in partnered value engineering solutions which reduced project risk and saved the local authority significant sums allowing more targeted spending.

The installation of the new steel pile quay was critical to the timely and safe delivery of the project. High frequency piling was carried out from the shoreside following engineered solutions and temporary works to allow the loading of the existing quayside, which was instrumental in affording programme efficiencies. With input from the client's design team, a solution was developed to secure the bracing of the new pile line installing tie rods through the existing structure and waling.

These jointly-developed design solutions offered further commercial and programme efficiencies.

TMS have a loyal and committed team of highly skilled operatives with a willingness to deliver in all conditions and around-the-clock to suit the tides. The team's willingness to deliver in this remote location throughout the winter months was key to the Project's timely success. The project was completed under budget and significantly ahead of programme, allowing for the Easter season to be started with the new quay already completed, to the delight of all those invested in this popular tourist locality.

