

# Jetty Access - Milford Haven



## THE CHALLENGE

Altrad work closely with Sem Logistics at their Milford Haven facility. The client decided that essential repairs were required to their tanker berthing jetty and called upon Altrad to provide expert innovative engineering solutions for suspended access to the underside of the jetty. The design called for advanced analysis due to tidal effects, complex load paths caused by uneven distribution of the supporting structure along with very long spans and cantilevers.

## THE SOLUTION

Altrad used highly experienced and trained scaffolders to install an alternative access system comprising of lightweight aluminium beams from an Altrad sister company combined with traditional tube and fittings for maximum versatility, strength and safety.

## RESULTS

The knowledge base that Altrad brought to the project by using lightweight aluminium beams alongside regular scaffolding increased the efficiency of this access challenge in all areas.

## STATISTICS

- Only 5 operatives used to complete entire job in some arduous weather conditions.
- SAFE ZONE + (Altrad SSOW) methods used to provide safe access during erection ensuring that no operatives were exposed to a fall at any time.
- Innovative design methods including 3D analysis used to minimise use of beams, ensure optimum blend of practicality of erection and safety could be achieved and ensure all loadings imposed on jetty could be accurately assessed.
- Very high strength to weight ratio of aluminium beams chosen for project meant light weight for manual handling and increased spans with no loading reduction, eliminating the requirement for drilling into jetty structure for support.

Client was very impressed with the safety and overall delivery of the project from start to finish, with no damage, injury or LTA's and a highly professional team from management to operatives delivering an excellent service.

## ABOUT ALTRAD SERVICES

Altrad Services is an international leader in the provision of critical industrial services principally to the energy and natural resources sectors.

Our multi-disciplinary service offering includes access systems, insulation, specialist coatings, passive fire protection, refractory linings, environmental services, oil and gas storage tanks and heat exchanger replacement and refurbishment.