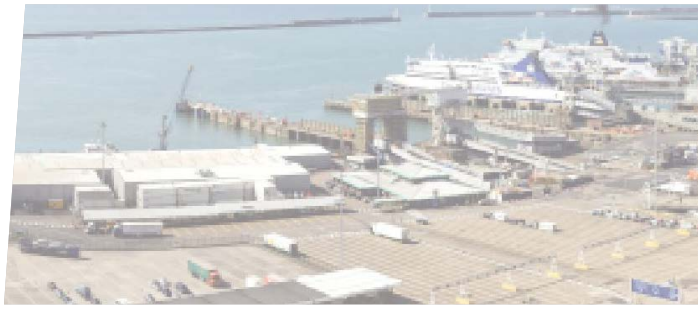
Case study

Cathodic protection system installation

Client: Dover Harbour Board



Scope of work

James Fisher Marine Services were appointed by Dover Harbour Board to Install a new Cathodic Protection System on Monopile C at Pier 6 in the Eastern Docks. The works included:

- Dive team weld testing and coding for approval to complete the works,
- Removal of existing defunct Impressed Current CP System,
- Installation of brackets for mounting the anodes
- Video survey and installation of topside test unit for monitoring of the CP System from the surface.

Client	Location
Dover Harbour Board	Dover, UK

Outcome

On request of Dover Harbour Board, local companies and employment were to be utilised as much as possible. JFMS hired the Dover based work vessel Sealift III, used a local fabricator for the test pieces, anode jigs and replacement pad eyes and accommodated a dive team in a locally run hotel for the duration of the works, as well as local suppliers for ancilliary items throughout the project.

The CP System was installed and designed by Corrosion Prevention Ltd and they also acted as the consultant to DHB during the project. The anode design was assessed by JFMS's Project Engineer, Nadine Stanistreet, who then tasked Impalloy Ltd to supply the anodes as per the agreed design. Impalloy were chosen due to previous use of their high quality anodes and the fact they have the ability to manufacture to design specifications at short notice whilst maintaining quality.

After completion of the works a full written report was issued accompanied by a video survey of all welds and anode installations. Over 400 stills of the installed system, UT readings of the system weld locations and monopile itself were also issued.