

# OIL TERMINAL 2, PHASE 1, UAE

## CASE STUDY

ESC delivered over 17,000 tons of combined wall pipe piles, sheet piles, tie rods and waling beams for the quay wall construction as part of the expansion works for the Port of Fujairah - a multi-purpose port on the Eastern seaboard of the United Arab Emirates, approximately 110 kilometres from the Straits of Hormuz. This new port would be used mainly for vessel loading and unloading of oil & gas products.

Athena SA and ESC proposed the ESC Combi-wall Tubular Pile system which eventually won the award from the Port of Fujairah and their Engineers MUC of the Netherlands. During the course of the design stage of the project ESC held site meetings in the UAE and visited MUC's geotechnical and structural team in Terheijden, Netherlands. ESC ensured that all facets required by the Client and their Engineers were able to be met.

ESC not only worked with the owners but the contractor Athena SA had constant site visits and communication from ESC both during the design stage and the implementation stage of the project.

The tender document provided for the design life requirement of the works (50 years), specific loading requirements, load case specifications, seismic requirements, structural dimensions and tidal information. Data and requirements specified in this document took precedence over standard specifications in Design Codes or other design publications used in this nature of work.



CONNECTOR WELDING TO PIPE



KING PIPE PILES PRODUCTION COMPLETE



SITE WORKS COMMENCEMENT



CUSTOM DRIVING GUIDE FOR KING PILES



BLASTING & PAINTING IN UAE YARD



TIE BACKS & REINFORCED CONCRETE



KING PIPE PILES LOADED



Get in Touch:

T +852 3956 1868  
E [escglobal@escpile.com](mailto:escglobal@escpile.com)  
W [www.escpile.com](http://www.escpile.com)

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