

RAS AL KHAIMAH PORT EXTENSION

CASE STUDY

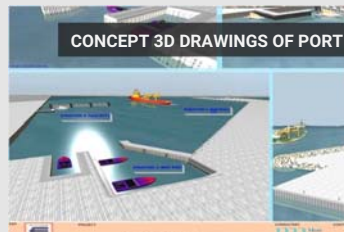
ESC has been one of the integral suppliers of the development of Ras Al Khaimah port, one of the main industrial gateways to the UAE. ESC supplied over 3,000 tons of sheet piles, H piles with connectors, tie rods and over the duration of the development. ESC's success can be attributed to its unique sheet pile design, local and international production capabilities, competitive pricing and great customer service. ESC's engineers completed full design verification calculations to British Standards which was fully accepted by the owner's consultant.

The Ras Al Khaimah Port development is located in Ras Al Khaimah, UAE. An existing port is to be extended by reclaiming land behind a permanent sheet pile wall. ESC proposed to use ESC cold formed fabricated sheet piles for the Main Wall and the Anchor Wall. All parameters were supplied by the client in terms of required capacity.

ESC scopes includes Sheet pile requirements and Specification, Corrosion design, Calculation of sheet pile modulus, Connection detail of sheet pile and tieback system. Designs undertaken in all of these projects were in conformance with the relevant British Standards.

ESC's scope of products

ESC 46A Sheet Pile S355JOC Grade x 16.5m length (2414 tons); ESC18A Sheet Pile S275JR Gradex 3m length for the anchor wall (283 tons); ESC Pile Shoes (451 units); ESC H60/30B-2 King H Piles (136 tons); Tie Rods, Walings and Brackets (113 tons)



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