

KAOSUING PORT COMBI WALL, TAIWAN

CASE STUDY

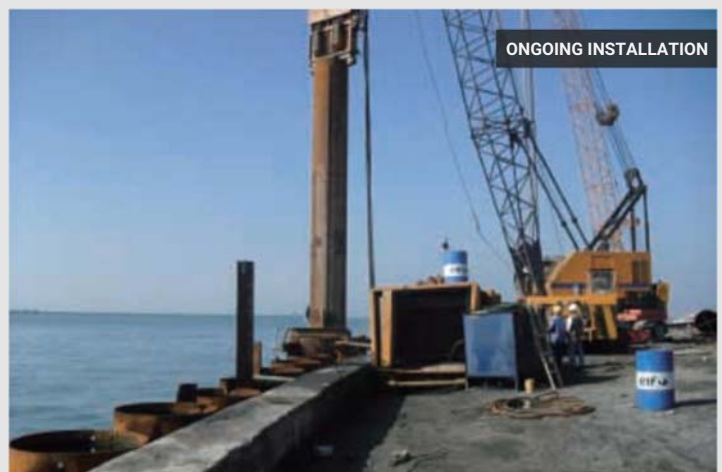
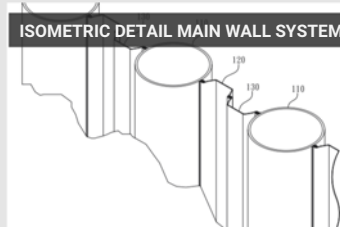
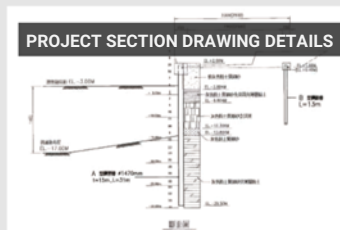
ESC Pile Steel Trading (Shanghai) Co, Ltd looked at the best method for the contractor and the Kaohsiung Harbour Bureau, Ministry of Communications. After several discussions and design options ESC and Meng-Deng settled on the Tubular sheet pile combi wall.

The Existing structure was unable to take the larger size of the newer vessels as well as the required dredge depth for the larger vessels that were calling in Kaohsiung. The method approved was to install the main wall of the tube and sheet pile in front of the existing structure and then proceed with the removal of the old wall and installation of the rest of the system.

The unbeatable combination of ESC's design and sourcing allowed the contractor to manufacture the 1470mm diameter, 15mm thickness tubes in 31 metre lengths (approx. 8000 tons) in Taiwan. Then, we sourced 28, 19 and 13 metre sheet piles from Nippon Steel in Japan (2,282 tons of Illw in SY390) and finally the 109 tons of specially made Illw sheet pile clutches that are unique to ESC.

The project saved considerable time and money for the contractor and was a very successful first tubular combi wall application in Taiwan.

With Ports globally getting deeper and deeper in order to handle the post Panamax Container vessels and other newer and larger conventional vessels in is expected that more and more clients and Port owner will look to these very solutions for their requirements.



Get in Touch:

T +852 3956 1868
E escglobal@escpile.com
W www.escpile.com

ESC App available now on all
smartphones & tablets
Search for "ESC Group"

