

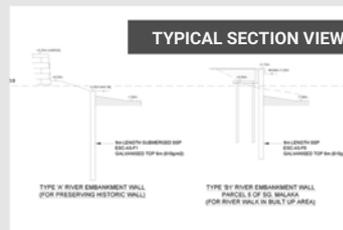
# MALACCA RIVER BEAUTIFICATION

## CASE STUDY

ESC delivered over 3,000 tons of sheet piles for the beautification works for the popular tourist hub - the Malacca River. ESC's cost effective design and locally manufactured sheet piles were integral for securing the scope of work. The design incorporated a 50 year design life of which some sheet piles were hot dip galvanized and some were coated with coal tar epoxy coating.

In 2005 Pesona Metro Sdn Bhd came to ESC asking for assistance in the designing, manufacturing and installation for a bold new plan to clean up the Melaka River and make it more conducive to tourists and local residents alike. The designs and the long term goal had to take into consideration a 50 year design life and the fact that the new sewage lines that were going hand in hand with the beautification could be accommodated within the scope of the structure if necessary. Piles were galvanized in some sections and painted in others according to the requirements.

The Government of Melaka awarded the very prestigious project to Pesona Metro Sdn Bhd based on their combined experience and particular expertise that they brought to the table with ESC and Consultants SMHB of Malaysia. All parties worked very closely together for a period of more than 4 years from design stage right through to the implementation and completion stage. Sheet pile profiles varied from section to section other the many stages of the project.



**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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