

Royal Arsenal Pier

Client: London Borough of Greenwich
Location: Woolwich
Size: £1,000,000
Working With: Mowlem Marine, K&N Welding
Start Date: 2001

A new passenger landing pier was needed in the lower reaches of the River Thames to allow access to the river close by to major urban regeneration at the historic Woolwich Arsenal. The old buildings had been converted and transformed into desirable residential accommodation with a significant focus on the River.

Beckett Rankine designed the pier and its canting brow access bridge, as well as locating piles. The location is more exposed than the sheltered upper reaches of the river, making it necessary for stronger structural designs including collision loading on the bridge.

- Passenger ferry pier design.
- Floating pontoon structure.
- Marine piling.
- Linkspan bridge.

The pontoon uses a new concept developed by K&N Welding. A 3-D frame of rectangular hollow sections gives the structure its strength with softened curved plates welded on to make a watertight box. This method reduces the amount of welding in the pontoon by a third.

The Newly Installed Pier



Launch of the Pontoon

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