



## Project Data Sheet



Photo: Port of London Authority 2008

**Project** TE2100 Thames Estuary 2100 High Level Option (HLO) Study of Potential Thames Barrier Replacement

**Client** Environment Agency / HR Wallingford

**Project** ADBP assisted HR Wallingford in a High Level Option (HLO) study of outline designs for potential barrier / barrage options at four sites on the River Thames and in the outer estuary. Outline designs were prepared and costed for a barrier, a tide-excluding barrage, and an open barrage incorporating large sector gates and Post-Panamax size ship locks. The four possible locations investigated were in the River Thames and the Outer Estuary at:

- Long Reach;
- Tilbury;
- Allhallows to Leigh;
- Sheerness to Shoeburyness.

The report considered the proposed locations of barriers and barrages and advised whether any changes should be made, provided guidance on the most important issues that should be considered in the design of barriers and barrages on the Thames Estuary, and identified and outlined designs and key issues (e.g. water circulation and navigation).

**Dates** May to July 2008

**Capital Value** £730 million to £8300 million (estimated)