

THAMES BARRIER

Land & Water was contracted by Balfour Beatty to complete a maintenance dredge at the iconic Thames Barrier flood gates. The barrier spans a 1,200ft stretch of river and protects 1.25 million people living and working in London's floodplain from tidal surges and rainwater swells.

The Thames Barrier is the second largest in the world, after the Oosterscheldekering barrier in the Netherlands. Land & Water carried out the maintenance dredge to the Foxtrot gate recess.

During the project, the team was faced with many environmental and commercial challenges. To mitigate the effects of strong tidal influences and constraints, Land & Water carefully planned the timings of the dredging maintenance to ensure safe operations.

The project area was also constrained by the surrounding infrastructure and the team was challenged by low impact contact with the gate recess.

Project Delivery

- In order to safely complete the operations, Land & Water set the gate as a tidal barrier to avoid any surges and carried out the work during low tidal shift patterns.
- The team critically analysed desktop plans of infrastructure which highlighted levels and layouts for the operational works, enabling Land & Water to find the safest and easiest way to navigate the river and access the project site.
- Land & Water used a silt pump to remove the sediments around the barrier and used a converted non-toothed bucket with composite cutting edge rather than using normal steel. This resulted in a lower chance of environmental impact and provided a more accurate removal of silt on the site.

Find us on the internet at
www.land-water.co.uk

Contact us on 0844 225 1958



Project Particulars

- Environmental and commercial challenges were fully mitigated
- Land & Water's innovative solutions ensure the safe operations at the site



PROJECT
VALUE:

£118,000