

## Outline Case Study



**Site :** Hermitage Community Moorings, Thames, London

**Remit :** To provide the Hermitage dockside community buildings with renewable energy sourced from the Thames to cut energy costs and reduce carbon emissions. The hermitage mooring provides up to 20 berths for both long stay and short stay vessels visiting London. It offers an area for recreational use plus provides educational spaces to promote the integration of river life into curbside life. The philosophy behind the hermitage development is to ensure traditional river craft remains part of the Wapping landscape and its historic links with the Thames.

**Solution :** The installation of a Stiebel Eltron WPF10S heat pump, via an open loop systems extracting energy from the Thames to provide heating and hot water for the community building.

Turbulence experienced on the mooring and in the pump room required that flexible flow and return pipes be used and that all equipment be anchored down. A cofferdam with stainless steel valves prevented water infiltration into the pump room area.

