



case study



PROJECT Conversion of existing warehouse and light industrial units into state of the art fire station
CLIENT London Fire and Emergency Planning Authority
VALUE £2.1M
CONSULTANT Scott Wilson Limited

Lakehouse was delighted to be selected to transform three existing light industrial units into a state of the art fire station for the London Fire and Emergency Planning Authority, not least because the site on the Harold Hill Industrial Estate is a stone's throw from Lakehouse's headquarters in Romford. Work includes demolition and alteration of parts of the existing units and construction of new pad foundations, steel frames and upper floors, installation of new windows and doors, alterations to existing roller shutter doors, new walls and partitions, internal doors and borrowed lights, and mechanical, electrical and public health installations.

A range of low carbon technologies will be installed at the new station, including photovoltaic panels, solar heating panels, rainwater harvesting system, combined heat and power unit and heat recovery unit. The installation of a heat bank or 'accumulator' can reduce bills by up to 60% and will act as a storage unit for unused heat. The system captures all heat not used from the combined heat and power unit and the solar system. The heat is then stored until it is required and subsequently reused to heat the building itself.

The project was awarded the Sustainable Design and Construction Award at local Havering Business Awards on 25th September 2009 and is due to complete in December 2009.

