

CHADDESSEN FIRE STATION

CLIENT:	DERBYSHIRE FIRE & RESCUE
SECTOR:	PUBLIC
LOCATION:	CHADDESSEN, DERBY
VALUE:	£2.3m
DATE:	2007



The client was looking for a new 'state of the art' facility which was more community friendly

The unusual shape and the site's dominant position, at a busy cross road, dictated the new site layout. The main station building and appliance bay were positioned as far forward on the site as possible which required the buildings to be shaped to fit between the existing boundaries. The existing brick training tower had to remain and new training facilities were to be incorporated including a smoke house.

The architect's external cladding combined Lignacite architectural blockwork with Trespa rain screen

A standing seam metal roof deck in addition to large areas of glazing dictated a steel frame solution. The frame supported reinforced masonry blockwork which in turn supported the rain screen cladding rails. 1st floor was pre-cast planks. The appliance bay was also a steel frame with a feature lattice truss over the vehicle wash area. The existing training tower was internally remodelled and overclad with Trespa rain screen. The adjoining smoke house was designed traditionally but with pre-cast planks adopted for the sloping roof.

Sustainable features included a wind turbine fixed to the top of the training tower and solar panels fixed on the roof of the main building.