

BUXTON FIRE STATION

CLIENT:	DERBYSHIRE FIRE & RESCUE
SECTOR:	PUBLIC
LOCATION:	BUXTON, DERBYSHIRE
VALUE:	£3.5m
DATE:	2011

This project was the fourth new fire station that we have designed on behalf of Derbyshire Fire & Rescue Service (DFRS).

The £3.5m Buxton station pictured here is a community facility that is also shared with the Derbyshire Cave and Mountain Rescue teams. It features a 6 storey tower and a smoke house for training purposes and also contains sustainable features such as solar PV panels and 40,000 litres of underground water storage.

In developing the design for the new station we worked closely with DFRS at pre contract stage to deliver a comprehensive package of tender information.

In particular, the drainage design presented some interesting challenges having established that the existing Severn Trent network had insufficient surface water capacity to connect into. As a result soak-away tests were carried out that showed that an innovative permeable paving solution could be adopted for the whole site.

This green solution means that all surface water is retained on site and no expensive alterations to the existing drainage network were required. The paving also naturally absorbs hydrocarbons removing the need for a petrol interceptor tank.

