

# Carrow Fire & Rescue Station - Case Study



*"The new fire station at Carrow is excellent news for the people of Norwich and represents a significant investment by Norfolk County Council in our fire and rescue service."*

**Harry Humphrey** - Cabinet member for community protection at Norfolk County Council.

*"The new station, combined with sister stations at Sprowston and North Earham, will deliver a first class fire and rescue service for the city. The running costs are also substantially lower than at Bethel Street, and in a time of austerity we are keen to make ourselves as efficient as we can be."*

**Nigel Williams** - Chief Fire Officer, Norfolk Fire & Rescue Service, Norfolk County Council.

## Project Sheet

Lead Delivery Architect  
Michael Spicer at NPS

Project Management  
NPS

Structural Engineer  
NPS

Principal Constructor  
Mansell Construction  
Services Ltd.

Client  
Norfolk Fire & Rescue  
Service

Construction Cost  
£3.4 million

Construction Programme  
May 2010 – June 2011

**Carrow Fire Station**, situated off Martineau Lane, replaced the 1930s Bethel Street Station in the centre of Norwich to complete a strategic rationalization with three stations around the ring road.

**A contemporary design** attached to a former public House in a Conservation Area which had to be incorporated and provides training and conference facilities.

The two-storey station has an improved training tower and houses a heavy rescue pump, personnel quarters and administration facilities. It also houses a swift water rescue team to enhance flood responses and also serves as a base for the East of England Ambulance Service NHS Trust.

The design incorporates extensive energy efficiency measures:

- Low-E double glazed windows
- Photovoltaic roof panels
- Low energy lighting is used throughout

- Energy management systems
- Natural gas, high efficiency, condensing boilers serving both weather compensated air and convective systems
- Air handling uses return air to pre-heat incoming fresh air
- Natural ventilation is utilised for main waiting areas, toilets and control room
- A single, direct fired hot water heater serves all tap outlets



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