

Rutherford Building - Immingham



Project:

Rutherford Building

Location:

Phillips 66, Immingham

Client:

Phillips 66

Consulting Engineer:

Alan Wood & Partners

Architect:

Frank Shaw Associates

Project Value:

£2 million

Description:

The Rutherford building was recommended by the HSE following previous blast events at the refinery to provide working space for staff at the refinery who do not carry out tasks which require them to be on the refinery itself to complete their work. The building therefore had to fulfil a varied brief providing office, warehousing and workshop facilities as well as a toxic refuge in the event of a blast.

The building was designed as a two storey office to the eastern end with a triple span portal to create the larger open floor plans required for the warehousing and workshops

to the west. These were all designed to withstand possible blast forces from an explosion at the refinery, including the provision of overhead gantry cranes which would be retained on the rails in the event of a blast. All windows and personnel doors were also designed to resist blast forces.

A toxic refuge was created within the offices using a second line of protection against blast forces to ensure personnel were protected from a toxic gas release in the event of an emergency..