

The Newton Building - Humber Refinery, Immingham



Project:

The Newton Building

Location:

Humber Refinery - Immingham

Client:

ConocoPhillips

Consulting Engineer

Structural & Civil:

Alan Wood & Partners

Project Value:

£9 million

Description:

Alan Wood & Partners were commissioned by ConocoPhillips to design a new two storey office block that would withstand a specific blast load from the refinery in addition to the normal design loads.

The new building will occupy an almost square plan area of approximately 2,450m² and the whole structure is founded on strip footings and pads, with the external walls being clad in a mixture of brick, stone, metal cladding and glazing,

Within the offices a large central full height atrium along the centre of the building provides natural light from a translucent roof covering. A large enclosed plant room is also located on the flat roof of the building.

The internal flooring is generally of the raised access type to allow ease of installation of services.

Externally our design work covered the paving and car parking areas.

The drainage systems was to include both the foul and surface water drainage this was designed with on site rainwater attenuation to restrict the water flow into the existing drainage system.