

Blast Design Support for the New INEOS Headquarters Building

INEOS are currently developing a new £20million headquarters building for their Grangemouth site. In order to ensure that the design is adequate to resist any possible explosion hazards originating from the INEOS refinery or petrochemical sites, PMA has been contracted to support the design process.

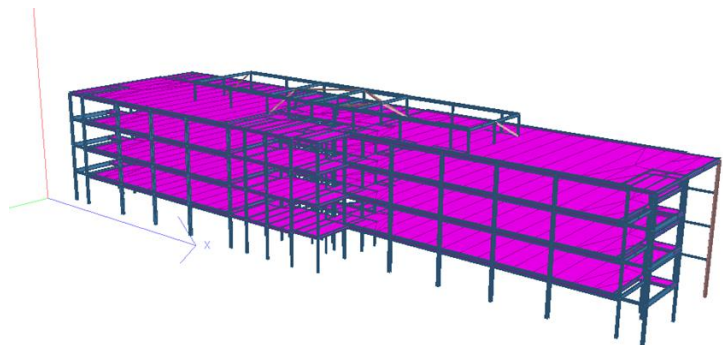
The objectives of the blast consultancy support are summarised as:

1. To provide preliminary consultancy advice and support to finalise the design concept.
2. To support the design development process in order to finalise the design and performance specification.
3. To review the D&B contractor design information and fabrication drawings for compliance with the design brief and performance specification.
4. To confirm that the as-built details comply with the design requirements.



The project has been divided into a number of discrete tasks that include:

Task 1 – Design Feasibility: To advise on all blast aspects sufficient to develop the design for the feasibility stage of the project. This will include advising the team on all structural, M&E and architectural elements which will be affected by the blast.



Task 2 – Planning Submission: To check the planning submission information to ensure compliance at this stage with the feasibility requirements as noted. Carry out a technical review of the architecture and the design statement and confirm suitability of the design intent.

Task 3 – Detailed Design: To advise on all blast aspects sufficient to develop the design for the detailed design stage of the project. Advise the team on all structural, M&E and architectural elements which will be affected by the blast, information required;

Task 4 – Production Information: To check the production information and detailed specifications to ensure compliance with the appropriate blast criteria.

Task 5 – Subcontractor Information: To check the subcontractor information / fabrication drawings and specifications to ensure compliance with the appropriate blast criteria. Only the relevant constituent parts/details are to be checked. Issue compliance report

Task 6 – Onsite: To visit the site at relevant stages throughout the project to ensure the agreed design and specification are being adhered too. Issue compliance reports

