DESIGN CASE STUDY NO 23

Fine Chemical Plant

- Repeat Business Client
- Project Value: £300,00
- Feasibility Study to Detailed Design
- ATEX Rated Process Areas

Having previously delivered two significant and successful design and build projects for our client, BES was commissioned to develop a design solution for a new API facility.

Operating within tight budget constraints, BES was tasked with establishing a flexible solution, expanding production capabilities and allowing future process upgrades. Due to the nature of the facility, our experts had to ensure ATEX rated process zones were designed to comply with hazardous area classification, meeting stringent criteria. Working in close collaboration with end users, we developed a number of options along with budget costs which allowed the Client to make an informed decision on how to proceed. The chosen option was developed in detail, providing improvements to both the process layout and the supporting accommodation, including the need for a pressure resistant booth to house the hydrogenation process, service corridor and dedicated plant space whilst maximising production capacity.

- Business Continuity Project
- Feasibility to Detailed Design
- FM Global Compliance
- Repeat Business Client
- ATEX Rated Process Areas
- New Build with link to existing facility

- Optioneering
- Modernised and expanded process capability
- Pressure resistant booth
- Architectural, HVAC, Electrical and Civil Structural Utilities
- Full 3D Modelling
- Improved production flow

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Exceeding Expectations

Part of Boulting Ltd