

PHARMACEUTICALS

RB Group selected for engineering support in Cannabinoids facility expansion

With a proven track record of successfully delivering pharmaceutical and cleanroom projects from concept to completion, RB Group was chosen to provide engineering support for the expansion of a Cannabinoids manufacturing facility.

BACKGROUND

The client required an extension to their existing Building 750 WFE facility without causing any down time to production in the existing WFE Area.



PROJECT SCOPE

PROJECT MANAGEMENT

- ✓ Detailed design
 - Civil and structural including demolitions and excavations
 - Hazardous Area Classification/zoning
 - HVAC / Fume Extract / Room Pressure regime
 - BMS & FMS extension to control new AHU
 - Mechanical & Pipework
 - Electrical & Instrumentation
 - Tendering documents
 - Lighting
 - Controls
- ✓ Construction management
- ✓ Planning and building regulations support
- ✓ CDM and H&S
- ✓ Contract Management
- ✓ Procurement strategy and management of sub-contractors
- ✓ Commissioning and handover

CHALLENGES

As the project developed from concept to detailed technical design various client changes had to be accommodated:

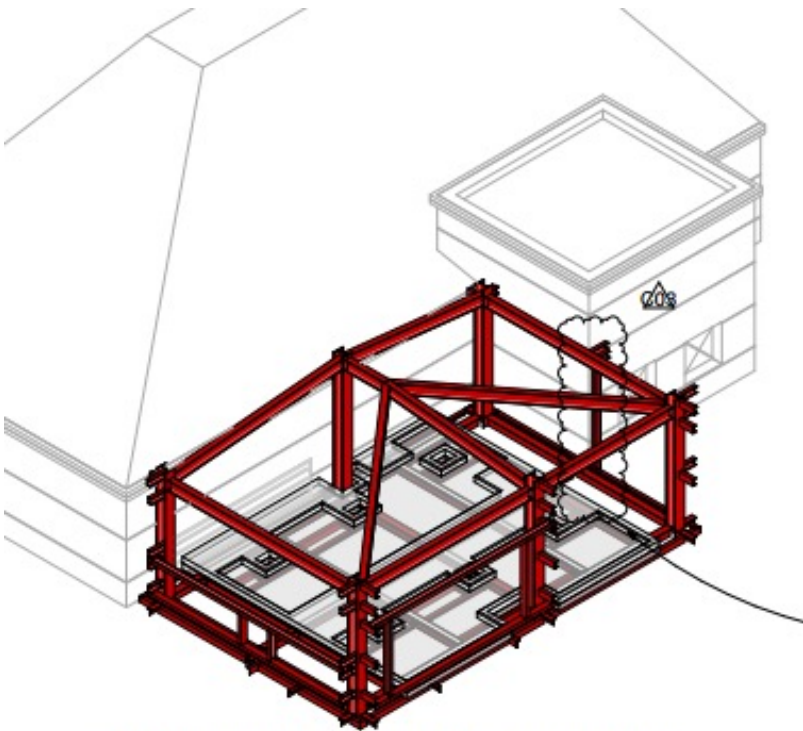
- The WFE plant required a 5.5m ceiling height as opposed to the existing 3.5m ceiling height to facilitate removal of agitator from plant.

The resulting requirement late in the design process resulted in the following changes to accommodate this:

- Internal floor level
- Roof level
- Structural and cladding
- Cleanroom partition designs

Due to the level changes various adaptations were required to voids and services to facilitate plant install and maintenance access in a very tight area

The RB Group team recognised steelwork as a critical component in the project's timeline. To keep the project on track, they decided to proceed with the tender process using initial concept designs and estimated quantities. During the 4-week tender period, they took the opportunity to further develop and refine the designs. This approach allowed them to agree on a contract price that was based on more accurate quantities and the finalisation of subcontractor costs.



THE SOLUTION

Despite the challenging circumstances posed by COVID-19, client changes, contractor dynamics, and supply chain issues, **the project was successfully delivered and commissioned to the client's satisfaction** and is now fully operational in production.



ABOUT RB GROUP

RB Group provides professional engineering consultancy, design, project, and construction management services across a wide range of sectors from Pharmaceuticals to Heavy Engineering – applying vision, purpose, and cutting-edge expertise.

We undertake every stage of a project lifecycle from initial conception to commissioning, both globally and within the UK.

Our highly skilled and qualified Process, Mechanical, Civil and Structural, HVAC, CDM, Electrical, Control & Instrumentation Engineers undertake engineering projects of all sizes. These range from smaller scale projects such as plant modifications, expansions,

and upgrades, through to multi-million construction projects. We apply the same levels of client focus and professionalism to every project, regardless of size.

Our high proportion of repeat business coupled with an organically growing new customer base is no accident and reflects our unique approach that make us stand out in the market-place.



FIND OUT MORE

- ✓ Our experienced engineering team could support you on your next project. Why not contact Genghis Perriman our Business Development Manager to discuss further for a no-obligation discussion?

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