

RB Plant's fortunes were built on our technical expertise employed by pharmaceutical businesses in the South East of England including GlaxoSmithKline, Pfizer and Abbott Laboratories.

RB Plant's engineers are well versed in every aspect of pharmaceutical design, construction, commissioning and validation; up to and including design and construction of an aseptic pharmaceutical production line from manufacture of API through to packaging final product.

We are fully able to carry out process designs and EPCM for primary manufacture including the relevant building services, Cleaning in Place (CIP) and effluent treatment requirements' pharmaceutical HVAC design including: different pressures, directional air-flows, filtration and containment philosophies to protect product, personnel or both.

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## Case Study 1 -

Upgrade Existing Facility to Make New Drug with OEL 1.5  $\mu\text{g}/\text{m}^3$  8-hour TWA

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### SCOPE

RB Plant was tasked with upgrading the existing facilities equipment & utilities for a client who were looking to manufacture a new product on an existing plant. The scope of work involved included the following. HVAC upgrade to ISO14644-1 Standard 7, installation of new HTF package, detailed design, HAZOP, costings & procurement, project & construction management, validation.

### CHALLENGE

RB Plant was tasked to complete all this work for the client whilst following tight timescales & with minimal impact to existing production, MOC to be compatible with HCL – replace stainless steel filter with Hastelloy, upgrade containment system to handle product of 1.5  $\mu\text{g}/\text{m}^3$

### OUTCOME

RB Plant delivered a staged installation project to meet the client's needs

#### STAGE 1

Shutdown to relocate existing equipment & make space for new facility

#### STAGE 2

Recommission existing equipment

#### STAGE 3

Install & commission new equipment.

### TESTIMONIAL

Through RB Plant's approach the client's requirements were met & the project was delivered on time and within budget whilst overcoming logistically difficult milestones. For more information please refer to [www.rbplant.com](http://www.rbplant.com) & see our other case studies in this sector.

## Case Study 2 - Installation of GEA CTL - 25 - Powder to Tableting Process

### SCOPE

RB Plant was contacted to convert CTL-25 from demonstration to production unit. Works included retrospective upgrade of CTL-25 for product with MIE>3mj, facility and utility design for new manufacturing area including:

- Processing area
- Airlocks
- Control room
- Utility installation
- Purified water modification
- Compressed air modifications
- Data communications equipment
- HAZOP
- Validation

### CHALLENGE

RB Plant's main challenges on this project were to complete within tight timescales & the inherent risks with equipment modification and re-commissioning.

### OUTCOME

RB Plant exceeded the client's tight timescales for the equipment relocation. The equipment modification work was carried out with no issues and successfully re-commissioned ready for production.

### BENEFIT

RB Plant delivered on time and budget. A key relationship maintained with a new client due to "Can-Do" attitude and first commercial continuous tableting line, since developed into the GEA ConsiGmaT range. Enclosed tableting process end to end.



#### Resources

50+ staff



#### Location

Lenham  
Kent, UK



#### Key Contacts

**Geoff Raisbeck**  
Managing Director  
T: 01622 858387

**Genghis Perriman**  
Business Development  
Manager  
T: 07715 758161

**Mike Wolfe**  
Director  
T: 01622 858387

**Sean McKirdy**  
Director  
T: 01622 858387

For more information  
about RB Plant visit:

[www.rbplant.com](http://www.rbplant.com)

RB Plant  
RB House  
The Square  
Lenham  
Maidstone  
Kent  
ME17 2PG