

Job Title:

**Infill Cleanroom Project**

Company:

**Biopharmaceutical  
Manufacturer**

Location:

**Leinster, Ireland**

Duration:

**Feb. 2019 to Oct. 2020**

Objectives:

**Link disconnected Grade  
D areas**

**Zero Production Impact**

Value:

**€5.5 Million**

To meet new global zoning and GMP standards, our Client needed to construct 400m<sup>2</sup> of new Grade D cleanroom in the centre of their production facility.

The new facilities provided:

- GMP personnel links between Primary and Secondary packaging areas.
- Materials and personnel airlocks between Primary and Secondary Packaging areas.
- A new materials airlock between Secondary Packaging and Warehouse.
- Extended change room facilities for entry from street side to Secondary Packaging and Warehouse.

The project challenge was to design the expansion for phased construction, and to complete construction in phases without production impact.

Following Front End Design, detail design was completed over a 12-week period. Construction - from commencement to completion – took 62 weeks.

With the exception of two annual shutdown periods (each 2 weeks), production was continuous and actually increased on demand during construction.

Three factors key to the success of the project were:

1. Detailed planning during design stage and development of a Level 4 schedule for the benefit of tendering contractors.
2. Design completion and attention to detail during design phase to minimise construction phase design changes.
3. Good collaborative work between client and design team at design stage and good collaborative work between client, design team and construction team post tender.

Construction duration extended by 10 weeks over projected Level 4 Schedule duration. Schedule extension was necessary to accommodate additional scope, and to allow time to develop and implement Covid-19 safety measures.

Design and construction were both completed within budget.

Working within budget was testament to the accuracy of Prochem's ±10% Front End Design Construction Capital Cost Estimate. The Prochem Capital Cost Estimate was used by our client for project capital approval.

### Get In Touch

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