

FACILITY DEVELOPMENT AND CAPACITY EXPANSION



INTRODUCTION

BPE have successfully completed the conceptual and detailed design for a client in the UK. The capacity expansion for added an additional 40 million units to facility. The project has delivered new equipment and process facilities to support key site strategies including improved compliance and operational efficiencies.

This Redevelopment Program is broken into three phase's 1A, 1B & 2 to achieve the site end state master layout.

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PROJECT OVERVIEW

Integration of client process equipment:

- Fillers
- Pouching
- Sterilisers including trucks handling system and packing

Process (RO and WFI) Water (production and distribution).

Weighing and mixing areas (Venturi transfer system, mixing tanks and mixers).

Solution Transmission System (pumps, filters and piping).

Utilities distribution and added capacity where required
(CA, steam and condensate, CW, HW, CTW, vacuum and electrical).

Sterility Lab Clean Room (Including HVAC).

Clean Room Complex (Including HVAC).

Additional AHU's.

New Smart high efficiency chillers.

PHASE 1A: TARGET COMPLETION Q4 2017

Construct new Dispensary areas within the Raw Material Warehouse footprint.

Construct new Mixing Preparation area for one pair of mix tanks within the Raw Material Warehouse footprint.

Construct new Cleanrooms and Filling Line area on Upper floor.

Construct new Sterilisation Area on Upper floor for 1 No. 8 Trolley Steriliser.

Construct new temporary Packaging Area on Upper floor for 1 No. Packaging line.

Modification and expansion of the existing site utilities to support increased production.

Demolition of existing facilities and equipment to support construction.

PHASE 1B: TARGET COMPLETION Q4 2018

Construct remaining mix tanks in the Mixing Preparation area.

Construct second 8 Trolley Steriliser.

Construct temporary filling lines from new mix tanks to existing filling lines.

PHASE 2: TARGET COMPLETION 2019

Expand Filling Line area on Upper floor.

Expand Sterilisation Area on Upper floor for additional 3 No. 8 Trolley Sterilisers.

Relocate 2 No. 8 Trolley Sterilisers.

Construct new Packaging Area on Upper floor for 6 No. Packaging lines. Construct

new Palletising Area on Upper floor for 1 No. Multi-Layer Palletisers. Construct

new Carton Erector Area on Upper floor.

Construct 2 No. Truck new Loading Bays.

Construct a new RO and WFI generation area on Upper Floor.

SERVICES

- Feasibility Study
- FES Engineering Design
- Detailed Design
- Project Management
- 3D Design & Co-Ordination
- Process Design
- Design Reviews
- HVAC / Building Services
- MV + Electrical Infrastructure Upgrade
- I&C - New Rockwell Control Systems
- Cost Control and Program manager

