



CLIENT

Pfizer

LOCATIONS

Melbourne, Australia

CORE CAPABILITIES

- Project Management
- Preliminary Concept Design
- Detailed Design
- Multi-disciplined engineering: Mechanical, Civil, Electrical, Process and Instrumentation and controls engineering
- 3D modelling
- Independent safety system (HVAC)

PROJECT SUMMARY

Synertec is currently engaged by Pfizer to provide the detailed design for the Leap Frog Facility to handle assembly, sterilisation, inspection and labelling of a medical device containing cytotoxic drug products for distribution around the world.

THE CHALLENGE

Pfizer required an experienced engineering partner to assist with facility design for the Leap Frog Facility, to be constructed in place at an existing Pfizer site in Melbourne, Australia. This included consideration of all facets of the design – from process and mechanical requirements, to building compliance and civil requirements, to control system and instrumentation requirements.

SYNERTEC'S SOLUTION

Synertec is working with Pfizer to provide a solution which incorporates all of the different engineering, safety and compliance requirements that come with the design of a new pharmaceutical facility.

Drawing on its in-house multi-disciplined capabilities, Synertec have delivered the preliminary concept design to Pfizer, including:

- Review of concept plans, taking into account existing manufacturing limitation, structural and architectural features and limitations, access and cost benefits of alternative designs or concepts;
- facility layouts, basic schematic and architectural details;
- indicative timeline for all aspects of design, procurement, approval, ordering, construction, commissioning and handover of the facility works;
- drawings for building surveyor review and determination of town planning requirements;

Synertec is currently working closely with Pfizer to assist with design changes, to allow the design to progress to Detailed Design.