

Pfizer Leap Frog Facility Design



SYNERTEC



CLIENT

Pfizer

LOCATION

Melbourne, Australia

CORE CAPABILITIES

- Project management
- Concept design
- Detailed design
- Specialist multidiscipline engineering including process, civil, mechanical, electrical, control, and instrumentation engineering
- 3D modelling
- Independent safety system for the heating, ventilation, and air conditioning systems

PROJECT SUMMARY

Synertec was engaged by Pfizer to provide the detailed design for their “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 the facility design for the Leap Frog Facility, to be constructed in place at an existing Pfizer site in Melbourne. This included consideration of all facets of the design including process, mechanical, civil, building compliance, control systems, and instrumentation.

SYNERTEC'S SOLUTION

Synertec worked with Pfizer to provide a solution incorporating the various engineering, safety, and compliance requirements that come with the design of a new pharmaceutical facility.

Drawing on its in-house multi-discipline specialist engineering team, Synertec delivered the design to Pfizer, including:

- Review of concept plans, considering existing manufacturing limitations, structural and architectural features and limitations, and the access and cost benefits of alternative designs or concepts
- Facility layouts, schematic designs, and architectural details
- Indicative timeline for all aspects of design, procurement, approval, ordering, construction, commissioning, and handover of the facility works
- Drawings for review by the building surveyor and determination of town planning requirements

Synertec worked closely with Pfizer to assist with design changes and progress the project through detailed design.