

WYETH

Oral Solid Dosage Tablet Manufacturing Plant

Tuas Biomedical Park 1, Singapore



Project
Oral Solid Dosage Tableting Plant

Client
Wyeth Pharmaceuticals (Singapore) Pte Ltd

Value
US\$150 M

Assignment
Engineering, Procurement, Construction Management & Validation

Completion
June 2001



Jacobs Lend Lease was engaged to provide Engineering, Procurement and Construction Management (EPCM) services for the delivery of Wyeth's US\$150 million Greenfield secondary Pharmaceutical facility located on a 17-hectare site in Tuas View, Singapore.

This Pharmaceutical facility acts as the finishing plant to process and package hormonal therapy solid dosage tablets with granulation imported for the manufacturing process. This facility is designed to produce 1 billion tablets per annum with the ability to upgrade to 2 billion tablets per annum when needed.

The Pharmaceutical facility has a total area of 32,000 square metres comprising of production and processing areas, administration and employee amenities building; production support, central utilities generation plants, waste water treatment, engineering / maintenance buildings and a centralized 7-pallet high Very Narrow Aisle warehouse.

Preliminary design commenced in November 1998 with the establishment of the project task force combining resources from Bovis Lend Lease, Jacobs Engineering and Wyeth in Philadelphia, USA.

Process Engineering and Equipment Procurement were carried out in Philadelphia, with local procurement and construction management undertaken in Singapore. Local Singaporean consultants were engaged to assist in the authority permitting process and design localization.

The construction of the facility was typical of local Singapore techniques for structural and architectural elements with a high quality of clean room and cGMP finishes required for the intended process areas to suit function and purpose. FDA requirements were achieved for the completed facility.

Due to the fast track nature of this project, detailed design overlapped with procurement and construction.

Ground breaking took place in June 1999 and mechanical completion for the Pharmaceutical facility was achieved in February 2001.

The Singapore Ministry of Manpower conferred on the project awards for construction safety excellence for the 3 consecutive years that it was being developed. Over 2,000 workers clocked 7-million manhours delivering both the Nutritional and Pharmaceutical facilities.

