

CSL Bioplasma Facility



Location	Broadmeadows, Victoria
Client	CSL Limited
Contract	Construction Management
Total Cost	\$209m
Duration	1990 - 1993



This facility, one of the most advanced of its kind in the world, gave CSL the opportunity to implement state of the art technology on a greenfields site while improving efficiency and flexibility.

The main production building is about 12,000 square metres in area and includes cleanrooms, cold storage facilities, ice storage systems, secondary coolant systems, freeze driers and cryofreezers. The whole of this area is heavily serviced, involving 16 km of hygienic stainless steel, internally electropolished services and process pipework with some 35,000 orbital TIG welds.

Leighton's brief for the project was to construct the plant and ancillary facilities, including administration and quality control laboratories, intake and dispatch stores, a boiler house and cooling towers as well as roads and landscaping.

Like all pharmaceutical plants, the facility required the highest levels of engineering and quality control in order to ensure product purity. This included procurement of internally electroplated stainless steel tube and fittings, instrumentation and controls, and specialised processing and production equipment from around the world.

This project was an intricate exercise in timing and implementation. Leighton developed joint occupation agreements with the unions which coordinated the activities of the building and metal trades workforce and CSL's engineering and validation teams.