

CSIRO Forest Hill

Research Facility for Agricultural Innovation

Client	Commonwealth Scientific and Industrial Research Organisation (CSIRO)
Location	Forest Hill, QLD
Services	Full Turnkey
Value	\$2.9M

OVERVIEW

Fleetwood Australia partnered with the Commonwealth Scientific and Industrial Research Organisation (CSIRO) to deliver a climate-resilient, prefabricated research facility in Forest Hill, Queensland.

The modular building was designed to harmonise with the rural landscape while supporting scientific collaboration in agricultural research.



BENEFITS

Purpose-Built for Research and Collaboration

The facility enables CSIRO to advance world-leading agricultural science through modern, modular design

- Open-plan laboratories and offices support cross-disciplinary collaboration
- Light-filled interiors connect scientists with the natural landscape
- Flexible layout allows future expansion and laboratory upgrade

Innovation in Prefabrication

Fleetwood's modular delivery model ensured precision, quality and efficiency across every phase.

- 70% of works completed off-site for faster delivery
- Elevated roofline achieved within transport limits for improved airflow and light
- Screw-pile foundations provide resilience on reactive soils

Constructed using volumetric modular methods, the facility demonstrates how smart building and sustainable design can meet the high standards of a national research organisation. The project showcases Fleetwood's ability to deliver durable, efficient, and adaptable buildings in complex environmental conditions.

SOLUTION

Built on reactive clay soils, the facility uses a screw-pile foundation system to ensure long-term stability with minimal ground disturbance. Fleetwood's modular approach enabled a distinct elevated roofline, improving natural ventilation and daylight while remaining within transport height limits.

Precision off-site fabrication allowed for fast installation, reduced site impact, and strict adherence to CSIRO's environmental, safety, and performance requirements. Internally, open-plan work areas and meeting spaces were configured to encourage collaboration, while durable, low-maintenance materials support ongoing operational efficiency.

Sustainable by Design

Sustainability was embedded with CSIRO's environmental goals.

- Passive solar orientation and natural ventilation reduce energy demand
- Durable materials minimise lifecycle costs and maintenance
- Off-site construction reduced waste, noise, and local disruption.

