

# University of Southern QLD

## Agricultural Science and Engineering Precinct

USQ is a recognised leader in online and blended education. They are renowned for their supportive environment and student-focused commitment to research and development, learning and teaching.

-  Toowoomba, Queensland
-  \$16M
-  September 2019
-  Design and construction management, Principal Contractor, commissioning

### Project scope

To meet global demands, the world is heavily dependent on growing new foods and harnessing more efficient and effective cropping innovation.

This project provides an environment for ongoing research into disease and drought-resistant crops.

The project includes environmentally controlled glasshouses, laboratories, outdoor trial sites and a centre for the study of biopesticides. To help with water retention and long-term irrigation supply, the construction of a dam was also incorporated.

Wiley delivered the design and construction of the new precinct including:

- Controlled Environment Rooms (CER)
- Re-purposing of the Cedar Centre into a research and education hub
- New PC2 Clean Laboratory and new Head House Laboratory
- New glasshouses and associated external civil and infrastructure
- Additional administration spaces and carparking
- HV electrical upgrade

### Business value to the client

The precinct gives researchers the ability to undertake trials, using new technologies involving machine-vision sensing and robotics. Students are able to undertake specialist activities, in addition to research into crop production, harvesting and yield outputs.

### Partners and consultants

Grains Research and Development Corporation | Australian Government  
HTQ | The Haggerty Group | A.C. Rigging and Steel

### Project reference

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Agriculture



Live environment



High hygiene



Advisory Services

