



CLIENT

Cockram (ICON)

LOCATIONS

Sydney, Australia

CORE CAPABILITIES

- Automation, Electrical and Instrumentation engineering
- Project Management
- Detailed design – hardware and software
- Electrical panel build
- Factory acceptance testing
- Site acceptance testing and commissioning

TECHNOLOGIES

- Rockwell PLCs
- Redlion protocol convertor (Modbus, BACnet)
- Rockwell VSDs
- Burkett pneumatics
- CitectSCADA

PROJECT SUMMARY

Synertec was engaged by 7BCockram (ICON) to deliver the project to design and implement the integrated control system for the Active Ventilation System (AVS/BMS) and the Off-Gas System (OGS) for the new nuclear waste treatment facility at ANSTO's site in Lucas Heights, Sydney.

THE CHALLENGE

7BCockram (ICON) were engaged by ANSTO to construct the new SyMo facility at their site in Lucas Heights. Cockram needed to partner with a control systems integrator to design and deliver the AVS and OGS instrumentation and control systems – whilst ensuring the system integrated with the other control and IT systems in the new facility.

SYNERTEC'S SOLUTION

Synertec were selected to execute this project not only because they had experience working with ANSTO on the Lucas Heights site, but also because that had a proven track record delivering high quality solutions for AVS/BMS and OGS systems.

Synertec engineers worked closely with the Client, and ANSTO, to ensure the solution would integrate with the other systems in the new facility.

The contract involved the detailed design and supply, including full testing and commissioning of the following:

- Electrical control cabinets
- Motor control centre panels
- PLC hardware and software
- SCADA software