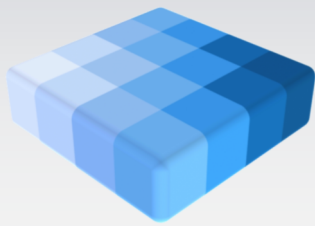


# C A P A B I L I T Y   S T A T E M E N T

Electrical, Control Systems & SCADA



**DEACON**  
**E N G I N E E R S**

**Mechanical, Electrical & Structural Equipment  
Design and Verification  
Advanced Simulation and Analysis· Consulting**

**Unit 3, 28 Belmont Ave Rivervale WA 6103 Ph: 08 9217 2933  
Suite 4B / 1-11 High Street Shepparton VIC Ph: 03 5851 3444**



## Mechanical, Electrical and Structural Equipment Design and Consulting

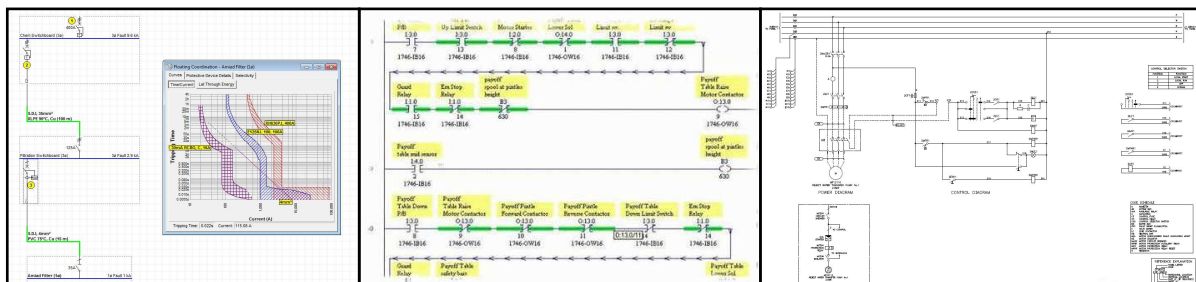
**At Deacon Engineers** we strive to provide solutions that are the best engineering outcome for our clients. Whether it be design improvements to small auxiliary plant or major redesigns of process plant we can provide the expertise and advanced analysis tools to deliver a solution to your problem.

As many projects include mechanical, electrical, control system and SCADA elements Deacon Engineers have now expanded their in-house capability to include electrical, control system and SCADA engineering.

Strategic alliances with mechanical and electrical installers also allows us to provide full project turn-key delivery with high quality definition, design, fabrication, installation and commissioning.

### Electrical, Control Systems and SCADA: Scope of Services and Expertise Includes:

- Feasibility, Conceptual, FEED and Detailed Design
- LV Electrical Switchboard Design and Drafting
- Control System Design and Automation; including special purpose machinery and equipment
- PLC & HMI's: Hardware selection, architecture design and programming; experience with all leading makes and models including Rockwell / Allen Bradley and Siemens
- Telemetry Systems. Application and configuration of RTU's, Radio and NextG networks
- Functional Safety (TÜV Rheinland certified machinery functional safety engineer) (continues overleaf)



## Electrical, Control Systems & SCADA: Scope of Services and Expertise (continued):

- Variable Speed Drive application, configuring and commissioning. With specialist applications employing digital locking, load sharing, common dc bus, dynamic braking resistor and regenerative braking.
- Fieldbus network design (Profibus, DeviceNet, Modbus, Ethernet etc)
- SCADA system Design and Programming
- P&ID Design and Drafting
- Project Management and Coordination
- Asset Condition Assessments
- Definition, Engineering Summary and Engineering Design Reports
- Commissioning, commissioning management, commissioning documentation (FAT, SAT, ITPs)
- Integration with Deacon Engineers mechanical offerings to provide a well integrated turnkey solution
- Brownfield upgrades & Greenfield projects
- All industries covered
  - Infrastructure - water, wastewater and recycling
  - Food and beverage
  - Materials handling
  - Metal forming
  - Paper and printing
  - Plastic extrusion
  - General manufacturing
  - Mining & mineral processing

