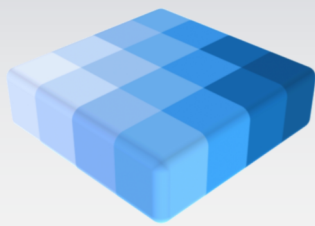


C A P A B I L I T Y S T A T E M E N T

Functional Safety



DEACON
E N G I N E E R S

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

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FUNCTIONAL SAFETY

As many projects include mechanical, electrical / control system and Functional Safety, Deacon Engineers have now expanded their capability to include Functional Safety services which includes certification by in-house TÜV Rheinland certified machinery functional safety engineers.

Whether you have an existing operating plant or machine requiring an audit, upgrading of a control system, adding additional equipment to a process line or looking to import machinery into Australia, Deacon Engineers can assist with:

- Plant / Machinery assessment
 - ◇ Risk assessments, hazard identification and risk reduction using techniques as defined in AS/NZS 4024.1201 / ISO 12100
 - ◇ Determine current and / or required Safety Performance (PL) level in accordance with AS/NZS 4024.1503 & ISO 13849-1
 - ◇ Compliance to AS 60204.1 / IEC 60204.1 (safety of machinery and electrical equipment)
 - ◇ Compliance of specific 'C' type standards (such as AS 1418) as applicable
- Verification
 - ◇ Verification and validation of a third party designed solution to meet a required safety performance level (as per ISO 13849-2)
- Design
 - ◇ Circuit design and device selection in order to meet a AS/NZS 4024.1503 / ISO 13849-1 safety performance level, AS 60204.1 / IEC 60204.1 and any specific 'C' type Australian or International Standards
- CE / European machinery directive compliance
- Mechanical design of guarding and other risk reduction solutions
- All industries covered: Food and beverage, materials handling, metal forming, paper, plastics, general manufacturing, mining & mineral processing

