

# SHUT-DOWN AND COMMISSIONING PROJECTS

“Integrity and reliability of plant and equipment impacts every level of the business and while initial design criteria may have identified a lifecycle span of 25 years for operability to decommissioning, market demands dictate an extension to lifecycles of installations, in some instances to more than 15 years.”



Integrity and reliability of plant and equipment impacts every level of business, and while initial design criteria may have identified a lifecycle span of twenty-five years for operability to decommissioning, market demands dictate an extension to the lifecycles of installations, in some instances to an additional fifteen years.

Ongoing unplanned or uncontrolled shutdowns and commissioning of operating plant impacts the business bottom line through variability of production and reliability.

Current shutdown and commissioning strategies can have significant gaps in quality, quantity and use, resulting in ad-hoc preventative maintenance of equipment simply because the strategies are not detailed or prescriptive. They can often be overridden by work orders and may be viewed by employees and contractors as a guide only, impacting project performance, both HSE and cost.

The most critical challenge facing any organisation managing shutdowns and start-ups is ensuring that employee safety and business productivity are not compromised.

This can be particularly difficult when there are a large amount of transient workers and many small contractors onsite who are generally unfamiliar with workplace safety culture, and where production has to continue in other areas of the worksite.

This is why best practise must be adhered to at the very beginning of any decommissioning or commissioning project.

The team at Competency Based Solutions (CBS) understand the inherent risks in managing a decommissioning or commissioning project, especially when there are large numbers of staff who are often performing repetitive daily routines which can lead to fatigue and a lack of safety focus.

We can assist your company develop a structured start-up and shut-down HSE intervention tailored to meet the needs of each worksite, ensuring that employees remain injury-free and production is not compromised.

We ensure that all staff from senior management to front-line operators understand their roles and responsibilities in achieving safety objectives while still meeting deadlines, and work to embed a safety culture amongst the many transient workers and contractors.

Interventions can be adjusted depending on the scale of the project and size of the workforce, from minor capital works to major shutdowns, and coaching provided to support and reinforce the importance and efficiency of workplace safety.

CBS will work with your organisation to:

- \* Develop sufficient resourcing (in-house and outsourced) to manage and support Shutdown and Commissioning activities;
- \* Apply a consistent resource and engagement strategy across the business (in-house and outsourced);
- \* Eliminate ambiguity regarding the HSE and Shutdown and Commissioning practice across the business;
- \* Identify and assist in eliminating the inefficiencies, costs and duplications of maintenance work;
- \* Identify risk, leading to the elimination of unscheduled outages and incidents.
- \* Develop a reference management practice across the business;
- \* Provide continuous Shut-down and Commissioning improvements;

Assist in maximising the availability and reliability of plant and equipment by increasing MTBF (Mean Time between Failure), MTRR (Mean Time to Repair) and OSE (Overall Shutdown Effectiveness).

## ABOUT US

### OUR APPROACH

At Competency Based Solutions we work at all levels of your organisation (executive, managers, and operations), to make your business safer and more competitive.

Our service delivery model is flexible and adaptive, and we engage in long-term partnerships in order to understand your operations, your people, your challenges, and your needs.

This application of high-level skills, combined with our personal approach, allow us to identify issues and develop solutions that reflect the environment in which you operate.

Our core competence is organisational development and planning, behavioural change and safety, and, more specifically, leadership development and cultural change.

### OUR METHODOLOGY

We assist your company to achieve real and sustainable change using tailored solutions and methodology by developing leadership and competence in structured workplace activities.

We tailor our design, delivery and measurement to your company's unique challenges and needs, and this combination of tailored solutions within a long-term partnership ensures you achieve your strategic and business goals.

Our clients directly link our interventions to marked improvements in performance and significant and measurable gains in productivity.

### ABOUT COMPETENCY BASED SOLUTIONS

Competency Based Solutions is an Australian owned international consulting group of advisors working in partnership with organisations undertaking operations and projects across Australia, Asia, Africa, the Middle East, Europe and North America.

Our extensive experience working with organisations in industrial settings such as oil and gas, mining, marine and construction, have seen us address the challenges of achieving sustainable change in the key areas of safety, while at the same time maintaining and improving performance.

Our unique approach includes:

- \* Broad cultural change that integrates safety systems with all other business systems to achieve safe and productive workplaces.
- \* The delivery of operational change through integrating competence development with structured workplace activities, ensuring that learning is applied to address real operational and business challenges.

Our consultants work in major hazard industries, and deliver our tailored solutions in industrial settings that are often harsh, hazardous, and culturally diverse. We have a sound knowledge of the safety issues facing major hazardous industries, and we successfully engage your employees from CEOs down to frontline operators.



Tailored Design, Delivery &  
Measurement of Business Solutions

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