

# Operational Excellence Training for the Sugar Industry



Improve your plant performance with our **government subsidised** training programs.



Train your operators, supervisors and managers in Continuous Improvement concepts to nationally recognized levels – Cert III, Cert IV, Diploma and Advanced Diploma under the Competitive Manufacturing (CM) Initiative.

#### Funding Available

Government training subsidies of up to \$4,000 per participant are available in Australia.

#### About the CM Program

Developed by the Industry Training Advisory Boards in Australia, Competitive Manufacturing provides the skills to implement modern processing and manufacturing techniques required to sustain industry performance.

Delivered in the workplace this program is very different from most training programs and focuses on improvement outcomes in the workplace. Using techniques taken from Lean, Six Sigma and Total Productive Maintenance programs the units of competency can be tailored to suit the needs of most organizations.

#### Training Delivery

Delivered over a period of 12-15 months the training delivery can be modified to suit your business needs. Examples include block training – 2 days every 6-8 weeks, 1 day per month or ½ day per fortnight. Hours are also flexible to suit shift workers, or high production needs.

#### Operational Excellence Assessment

Companies undertake a Operational Excellence Assessment upon commencement of the program. This identifies practice and performance strengths and weaknesses and prioritizes training requirements linked to improvement opportunities – units of competency are then delivered to suit the business needs and priorities.

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## Position your company as an industry leader

## About The Improve Group

Our Manufacturing Excellence Coaches are seasoned professionals who enjoy transferring their knowledge to industry at all levels. All are certified trainers and assessors and use a see-do approach encouraging participants to apply the practices in the workplace.

Our team has experience across all industries and company sizes, allowing a flexible approach to suit your business needs. We provide industry specific training material to suit your needs.

Our industry experience includes processing, manufacturing, packaging, maintenance, planning and many other manufacturing and processing related activities in both Australia and New Zealand.

#### International Presence

Headquartered in Queensland, Australia our regional based teams provide training and support services throughout Australasia, and overseas. Working with a range of high calibre international companies enables us to leverage best practice into our programs.

The Improve Group is a Registered Training Organisation and was recently recognized for our delivery of the Competitive Manufacturing program outside of Australia winning a Regional Export Award in the Education Category.



**REGISTER NOW** Receive regular updates & a site visit

To register your interest in our programs fax this form to  
**+61 7 3488 2153** or email **info@improvetraining.com.au**

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Visit our website [www.improvetraining.com.au](http://www.improvetraining.com.au).

Contact us on **+61 7 3488 2143** to discuss your needs.

## Certificate III in Competitive Manufacturing

To achieve a Certificate III in Competitive Manufacturing competency must be achieved in eight (8) units chosen from below.

### CM Systems

- Apply competitive manufacturing practices\*
- Sustain process improvements
- Ensure process improvements are sustained
- Lead a manufacturing team using a balanced score card approach

### CM Change/Interpersonal

- Manage the impact of change on own work
- Lead change in a manufacturing environment
- Lead a competitive manufacturing team
- Lead team culture improvement

### Balance of Units

- Apply quick changeover procedures
- Apply Just in Time (JIT) procedures
- Apply cost factors to work practices
- Interpret product costs in terms of customer requirements
- Apply 5S procedures in a manufacturing environment
- Monitor process capability
- Apply quality standards
- Use planning software systems in manufacturing
- Use SCADA systems in manufacturing
- Use sustainable energy practices
- Use sustainable environmental practices
- Undertake root cause analysis
- Contribute to the application of a proactive maintenance strategy
- Participate in environmentally sustainable work practices

## Certificate IV in Competitive Manufacturing

To achieve a Certificate IV in Competitive Manufacturing competency must be achieved in ten (10) units chosen as specified below:

### CM Systems

- Implement a competitive manufacturing system
- Ensure process improvements are sustained
- Lead a manufacturing team using a balanced score card approach

### CM Change/Interpersonal

- Lead change in a manufacturing environment\*
- Lead a competitive manufacturing team
- Lead team culture improvement

### CM Tools

- Facilitate a Just in Time (JIT) system
- Monitor a manufacturing levelled pull system
- Improve cost factors in work practices
- Analyse manual handling processes
- Lead 5S in a manufacturing environment
- Facilitate continuous improvement in manufacturing
- Undertake process capability improvements
- Mistake proof a production process
- Apply statistics to processes in manufacturing
- Use six sigma techniques
- Facilitate the use of planning software systems in manufacturing
- Facilitate SCADA systems in a manufacturing team or work area
- Undertake proactive maintenance analyses
- Assist in implementing a proactive maintenance strategy
- Support proactive maintenance
- Use structured problem solving tools
- Implement and monitor environmentally sustainable practices

## Diploma in Competitive Manufacturing

To achieve a Diploma in Competitive Manufacturing competency must be achieved in ten (10) units chosen from below, and ten (10) units from the Cert IV program.

### CM Change/Interpersonal

- Manage relationships with non-customer external organisations
- Manage people relationships
- Manage workplace learning
- Facilitate holistic culture improvement in a manufacturing enterprise
- Develop a communications strategy to support production

### CM Systems

- Develop a competitive manufacturing system
- Analyse and map a value chain
- Manage a value chain
- Develop manufacturing related business plans
- Manage competitive manufacturing processes in a jobbing shop environment
- Develop a balanced score card
- Introduce competitive manufacturing to a small or medium enterprise

### CM Tools

- Develop quick changeover procedures
- Develop a Just in Time (JIT) system
- Design a process layout
- Develop a levelled pull system of manufacturing
- Optimise cost of product
- Undertake value analysis of product costs in terms of customer requirements
- Analyse cost implications of maintenance strategy
- Manage 5S system in a manufacturing environment
- Implement a continuous improvement system
- Determine and improve process capability
- Design an experiment
- Apply six sigma to process control and improvement
- Develop the application of enterprise systems in manufacturing
- Determine and establish information collection requirements and processes
- Develop a documentation control strategy for a manufacturing enterprise
- Develop and manage sustainable energy practices
- Develop and manage sustainable environmental practices
- Facilitate the development of a new product
- Develop a proactive maintenance strategy
- Adapt a proactive maintenance strategy to the process manufacturing sector
- Adapt a proactive maintenance strategy for a seasonal or cyclical manufacturing operation
- Develop workplace policy and procedures for sustainability