



**Segla**  
Business Efficiency Solutions

In today's competitive environments, pressure to cut costs, deliver faster service standards and quality, reduce inventory and improve operational effectiveness, are as relevant as ever. In particular these pressures are emphasised by increased competition driving companies to adopt new and innovative practices to ensure they remain viable within their industry sectors.

At Segla we deliver business efficiency solutions utilising Six Sigma, Lean and Process Improvement Methodologies. From developing complete training strategies, providing implementation assistance and support, or through conducting specific assessments, we are able to help your business effectively identify and implement continuous improvement solutions.



Reduced cycle times   ■   Improved productivity   ■   Increased equipment capacity   ■   Business growth and increased profitability

# Lean Six Sigma

## Lean Six Sigma

### What it is...

Lean Six Sigma is a continuous improvement methodology that focuses upon the elimination of waste and the reduction of variation found within processes, whether they are manufacturing or transactional in nature.

### Lean

Pioneered by Toyota, Lean is a methodology which aims to reduce non-value added activities that will lead to the goal of reduced cycle times.

### Six Sigma

Developed by Motorola and made famous by GE, Six Sigma is a methodology to identify and reduce variability and thus improve overall quality.

The combination of these two powerful process improvement methodologies allows an organisation to build upon its existing capabilities, to become Safer, Faster and Better able to operate at Reduced costs, yet in a way which is sustainable.

### Leadership Training

A one-day workshop designed to give the leadership team an overview of the Lean Six Sigma methodology and demonstrate the benefits that can be gained by the organisation through the application of various interactive exercises.

This workshop outlines various approaches to deployment which can be undertaken and particularly focuses upon the linkage of project selection to the improvement of your organisation's business outcomes.

### Introduction to Lean Six Sigma

One-day workshop designed to give a project team an overview of the Lean Six Sigma methodologies and how they are applied within a project. The course demonstrates the benefits that can be gained by the organisation through the application of various interactive exercises.

### Champions Training

A three-day workshop designed to give participants an understanding of the Lean Six Sigma methodologies and how they are applied within a project. The course demonstrates the benefits that can be gained by the organisation through the application of various interactive exercises.

This workshop outlines various approaches to deployment which can be undertaken and particularly focuses upon the linkage of project selection to the improvement of your organisation's business outcomes.

Through the use of interactive exercises and SPC software this training includes an overview of various modules and uses the DMAIC framework to integrate the tools into a logical format and give participants a structured approach to project work.

This workshop also includes sections of change management, project selection, project management and benefits capture.

### The Benefits!

Some of the benefits gained by organisations which implement Lean Six Sigma area:

- Expanded knowledge of products and processes through characterisation and optimisation;
- Reduced defects and improved cycle times through improved operating processes;
- The development of common tools and process techniques which can be applied by everyone;
- Improved communication, teamwork and ownership through the sharing of ideas which when evolved result in improved processes;
- Processes which are Faster, Safer, Better and able to operate at Reduced costs.

### Green & Black Belt Training

A three to four-week course designed to give participants a thorough understanding of the Lean Six Sigma tools, and linkage to the benefits that can be gained by their use.

This training uses the DMAIC framework to integrate the tools into a logical format and give participants a structured approach to project work. It is a requirement of this training that each participants have a project where they can apply their learned skills and deliver timely benefits back to the business.

**Black Belts:** Black Belt students are also trained in Design of Experiments (DOE) which focuses on the understanding of the relationship between key input factors and the response of a process resulting in improved optimisation and control.

**Certification:** Participants of these training programs are eligible for certification as Green Belts or Black Belts upon completion of the course. An examination and the submission of a formally documented project portfolio, which identifies savings made through the use of the tools and learned skills are a necessary requirement for final certification.

For participants with a Lean Manufacturing background, this course can be reduced by one week for both levels after successful demonstration of knowledge via an exam.



### Black Knight Mentoring

This comprehensive mentoring program is designed for Lean Six Sigma Black Belt students. A 6-month program which focuses on reinforcing the learning gained in the classroom through face to face, phone and e-mail communications. At Segla International we believe it is critical that a successful student does not simply return to the workplace, again caught up in the day to day. We become the Knight in Shining Armour for any Black Belt student chosen to partake in our proprietary program.

Our methodologies can be readily applied across all business functions of industries such as:

Oil ▪ Gas ▪ Mining ▪ Manufacturing ▪ Supply Chain & Warehousing ▪ Food & Chemical ▪

### Six Sigma

A two-week course designed to give participants a thorough understanding of the Six Sigma Statistical Process tools available and linkage to the benefits that can be gained by their use.

Six Sigma is a powerful continuous improvement methodology which focuses upon the learner gaining the skills and confidence necessary to identify and reduce variation within processes, whether they be manufacturing or transactional in nature.

Upon successful completion our instructors will guide the learners through a Six Sigma Measurement Project at no extra cost to ensure that learners are able to convert their learned skills into real outcomes and benefits for the organisation for which they work.

### Lean Manufacturing

A one-week course designed to give participants a thorough understanding of the Lean Manufacturing tools available and linkage to the benefits that can be gained by their use.

Lean is a powerful continuous improvement methodology which focuses the learner on gaining the skills necessary to identify and reduce non-value added steps within a process, whether they be manufacturing or transactional in nature.

Upon successful completion our instructors will guide the learners through a Lean Project at no extra cost to ensure that learners are able to convert their learned skills into real outcomes and benefits for the organisation for which they work.

### Value Stream Mapping

A two-day workshop designed to give participants the skills and knowledge to map out value streams and then to use these skills to develop current and future maps of their own processes.

Based upon Lean principles, Value Stream Mapping is a powerful tool to identify opportunities for process improvements within an organisation.

It allows an organisation to identify those constraints preventing processes from flowing at their most optimum level.

### Design of Experiments

Design of Experiments (DOE) is a one-week course designed to assist organisations in improving performance, reducing costs and shortening production development timeframes.

DOE focuses upon the identification and understanding of the relationships between key input factors and the response of a process resulting in improved optimization and control.

## Resource Library

The Segla Resource Library offers a comprehensive collection of Business Efficiency related reference manuals, software and resources materials. This library is intended to educate and inform people about the most up to date initiatives within the field of Cultural Change, Lean Six Sigma and other Quality Improvement related areas.

Our secure on-line bookstore allows you to search by title, author or to view specific categories for easy reference and purchase. All items are stocked and are able to be delivered by traceable Registered Post within 2 to 5 working days, depending upon your delivery and payment preferences.

### 5S & Kaizen Blitz

This three to five-day workshop, (timeframe depends upon the size of the project) gives participants the knowledge of how the team's focused approach, gets fast measurable results, decreases resistance to change, and takes advantage of the employee knowledge already in the organisation.

This training is focused upon the learner becoming confident in the use of the tools necessary to be able to effectively conduct a 5S & Kaizen Blitz Project.

This course is a powerful way to introduce Lean Six Sigma into an organisation using an approach whereby continuous improvements within the workplace become the language of the business, "The way we work".

### Project Management

This one day workshop gives participants an introduction to basic project management tools and their application.

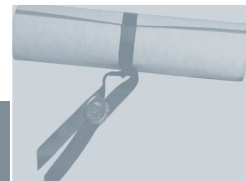
Through the use of theory and practical exercises participants will gain knowledge and skills in the basics of project management, work breakdown structures, network and Gantt charts, project team dynamics and project documentation.

### Competitive Manufacturing

Our Competitive Manufacturing Training Package covers in detail many Lean and Six Sigma methodologies such as; Value Stream Mapping, 5S and Visual Controls, TPM, JIT, Mistake Proofing, Root Cause Analysis, Variance Reduction, Statistical Process Control, Change Management and much more.

This training is recommended for those organisations wishing to roll out the training across their entire production workforce, as opposed to those targeted for the higher level Lean Six Sigma Certification

- MCM30104 Certificate III in Competitive Manufacturing - 8 units
- MCM40104 Certificate IV in Competitive Manufacturing - 10 units
- MCM50104 Diploma of Competitive Manufacturing - 10 (new) units + the 10 units from the Certificate IV
- MCM60104 Advanced Diploma of Competitive Manufacturing - 10 (new) units + the 20 units from the Diploma and Certificate IV



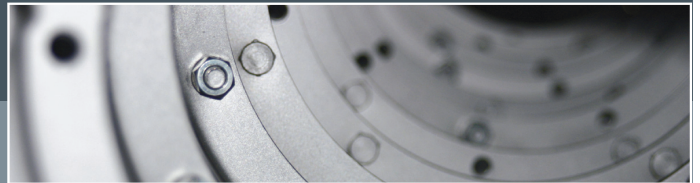
Segla International Pty Ltd is an Australian company dedicated to being the supplier of choice when it comes to delivering business efficiency solutions utilising Six Sigma, Lean and Process Improvement methodologies.

We seek to work with you to identify and tailor the best solutions package to your specific requirements. We are innovative thinkers and demonstrate a willingness to work with our clients to enable them to increase outputs, improve quality and customer satisfaction.

We offer tailored training programs and supporting consulting services in the following areas:

- Lean Six Sigma Green and Black Belt Certification
- Lean & Lean Six Sigma Training Programs
- Competitive Manufacturing
- Business process analysis
- Project management planning and support
- Cultural change programs
- Complete supply chain optimisation solutions
- Development of data acquisition processes to enable the early identification and minimisation of variation.

[www.segla.com.au](http://www.segla.com.au)



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