



CLS Lean Sigma Training Program

Yellow Belt



CLS Yellow Belt Training Programme

(Foundation in Lean Six Sigma)

Introducing Lean Six Sigma

Program Aim

The aim of this programme is to provide the trainee with the knowledge and skills to lead a small improvement project. It provides the trainee with an understanding of the foundation knowledge of Lean and Six Sigma. This is achieved through the understanding of key elements from the Lean and Six Sigma methodologies per ISO 13053-2:2011 "*Quantitative methods in process improvement*" and NSAI Swift 11 Driving Competitiveness using Lean.

Program Objectives

At the end of this course, you will be able to:

- Understand the DMAIC improvement methodology and foundation Lean Six Sigma tools
- Collect and analyse data using the appropriate Six Sigma tools.
- Apply Lean Methodology to a waste reduction project



Expectations of A Yellow Belt

A Yellow Belt provides a valuable on the ground resource for continuous improvement. Key roles of a Yellow Belt include:

- Supporting Green Belts in Data Collection and Analysis for an improvement project
- Lead small area improvement projects
- Make fact based decisions through the application of appropriate statistical tools

Duration

- 2 Days Training

Target Audience

This course is aimed at personnel who are new to the world of Lean Six Sigma and who are interacting with people who are either using data to make decisions or leading Lean Six Sigma projects. It is also appropriate for all roles including Operators, Technicians, Analysts, Engineers, HR, Finance, Supply Chain and Lean Six Sigma Champions who would like to understand what Lean Six Sigma is all about.

Delivering Incremental Results

Program Syllabus

Day 1 Introduction to Lean

Introduction to 5 Lean Principles
Value Stream Mapping
7 Sources of Waste
Standard Work: Takt Time and Operator Loading
Spaghetti Diagram
Change Over Reduction through SMED
Error Proofing
Lean in Action Practical Workshop



Day 2 Introduction to Six Sigma

Introduction to Six Sigma
DMAIC Methodology
Project Charter
Process Mapping
Data Collection and Analysis
Fishbone Diagram
Improvement and Control Plans
Six Sigma in Action Practical Workshop
Examination

Customisation

Program can be customised to meet customer training requirement. For example, Day 2 can be customised to complete a Gauge R&R and Process Capability, given the training requirement.

Training material can also be customised to include client specific examples.

Advancing your Career

Assessment and Certification

1. Attend all training days
2. Pass a 1-hour open book multiple choice examination that measures comprehension of the Body of Knowledge
3. Complete an A3 Report for Class Exercise



Certification Body Crystal Lean Solutions



"We cannot solve our problems with the same thinking we used to create them."

Albert Einstein

Project Examples

- Improve area layout through the application of 5s
- Reduce variation in CAPA Process Lead times
- Lean Validation process to deliver value added process on time
- Implement Visual Management in an area

About Crystal Lean Solutions

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Crystal Lean Solutions are Leading providers of Lean Transformation delivering sustained competitive advantage for clients. We are approved Lean Consultants for both the IDA and Enterprise Ireland.

Founded in 2008, we specialise in providing energised action based learning to ensure that everyone moves at the same pace. This ensures that you can apply the concepts in your working environment, with confidence. Each of our Trainers have a minimum of 20 years' experience with the practical application of Lean Six sigma to projects and how to train people on how to do the same.

Our Results:

- ✓ Trained over 2,000 professionals in Lean and Six Sigma
- ✓ Mentored over 300 projects
- ✓ 100% Satisfaction with quality of training
- ✓ Delivered over €500k annual savings per Green Belt program

Our Approach



Flexible

We adapt our programs, availability and location to meet your unique capability requirements



Simple

Easy to understand training Integrated with action based learning to maximise the learning experience



Results

Translate learning into business results through project execution

Support Available

Funding

Crystal Lean Solutions is an approved Consultant and Training Provider for the following organisations:

- Enterprise Ireland
- IDA
- Innovation and Lean Six Sigma Skills net (ILSS)
- Limerick Skills net



This provides clients with the opportunity of potential sources of funding given your specific training requirements. In the event that you are considering a Lean Business offer such as LeanPlus or LeanTransform, these courses may be delivered and funded as part of these programs.


For all other queries, the Skills net programs are very supportive of Learning and Development. To find out more, contact us.



Benefits:

- ✓ Futureproof your business through innovative thinking
- ✓ Deliver business improvements, quicker
- ✓ Develop Lean Change Agents
- ✓ Achieve an internationally recognised qualification
- ✓ Enhance your professional marketability

Testimonials



€500k Savings

“Course very interesting - new concepts and instructor was very knowledgeable and accommodating”

“Tailored to our requirements. A great advantage/opportunity is to get the teams using the documents on their own projects”

“Maria is an excellent trainer, always gave us a practical example and made sure we all understand the material”

“The course was tailored and very interesting. The team building and lean exercises were excellent”



Crystal Lean Solutions

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