

Lean Six Sigma Green Belt (5 Days)



Background

The concept of Lean Manufacturing was developed in the early 1990s from studies of the Toyota Production System. It focuses on eliminating waste in processes, waste being anything that impedes the flow of product as it is being transformed in the value chain. Six Sigma originated in the U.S. in the mid-nineties and was adopted by GE to deliver significant bottom line savings to the business. Six Sigma focuses on process variation and aims to develop predictable processes through the application of a structured program.



This five day course will enable participants to successfully complete business process improvement projects through the practical application of lean and six sigma techniques.

Objectives

- To understand the concept and origins of both Lean and Six Sigma.
- To understanding the tools used in Define, Measure, Analyse, Improve and Control phases of business process improvement.
- To deliver a return on investment to the company through successful completion of a project.
- To provide an introduction to data collection, analysis and presentation through the use of statistical software (SigmaXL or Minitab)

Who should attend

This course is intended for personnel with responsibility for leading teams in business process improvement.

Course Programme

Day 1 - History & Introduction to Lean & Six Sigma.
Day 2 – Define & Measure
Day 3 – Data Analysis
Day 4 – Improve & Change Management
Day 5 – Standardisation & Control. Project Closure

This course can be supplemented with on-site days to focus on individual projects – please ask for details.



PROGRAMME				
DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
INTRODUCTIONS & CANDIDATE OBJECTIVES	DMAIC - DEFINE	STANDARD WORK	IMPROVE - KANBAN & PULL	STANDARDISATION & VISUAL FACTORY
LEAN INTRODUCTION	GREEN BELT PROJECT	TAKT & LINE BALANCE	SMED	POKE YOKE
LEAN PRINCIPLES	WORKING IN TEAMS	ATTRIBUTE & VARIABLE DATA	FMEA	SPC
7 WASTES	PROJECT CHARTER	PLANNING	DOE	CONTROL PLAN
SIX SIGMA INTRODUCTION	PROBLEM STATEMENTS - EXERCISE	ANALYSE - BRAINSTORMING - EXERCISE	LEFT/RIGHT BRAIN THINKING	COMMUNICATION
VARIATION - INTRODUCING SIGMA	ADDRESSING THE BUSINESS CASE - PROJECT PLAN	C&E FROM EXERCISE & RANKING	CREATIVE THINKING TECHNIQUES	PROJECT ANALYSIS & ACTION PLANS
DPMO	BASELINE TOOLS	SCATTER	SIX HATS	PROJECT CLOSURE
Y = F(X) 6 MS - DELIVERY	PARETO CHART - EXERCISE	RUN & CONTROL CHARTS	ANTI SOLUTION	
ROLES	HISTOGRAM	STATISTICS SOFTWARE INTRODUCTION - DEMONSTRATION	SCAMPER	
DMAIC INTRO	RUN CHART - EXERCISE	SOFTWARE EXERCISES	PICK CHART - EXERCISE	
STORYBOARD EXAMPLES	SIPOC - EXERCISE	WHYS	MANAGING CHANGE	
LSS SUMMARY	V.O.C. - EXERCISE		CONTROL - STANDARDISE, PREVENT, MONITOR, DOCUMENT	
CASE STUDY	KANO - HOTEL		5S	
	CTQ		STANDARD WORK	
	MEASURE			
	MEASURE SOURCES OF WASTE/ VARIATION			
	VARIATION - PROCESS MAP			
	EXERCISE			
	OEE - 6 MAJOR LOSSES			
	ELIMINATING WASTE			

Course Manual

Course notes will be provided to participants along with a soft copy on memory stick, which proves to be an excellent source of reference after the course.

Why Choose ETAC?

ETAC is an Irish Company specialising in the provision of training, expertise and software solutions in all matters related to Lean and Six Sigma Business Improvement Programmes. All ETAC associates have extensive knowledge and many years of practical experience in Lean Implementation, Programme Management, Change Management & Six Sigma in many different industries in Ireland, the UK, Europe and the USA.

ETAC has been responsible for the training of over 200 Six Sigma and Lean practitioners including project support for projects that have delivered over €6,000,000 in hard financial benefits for our clients.

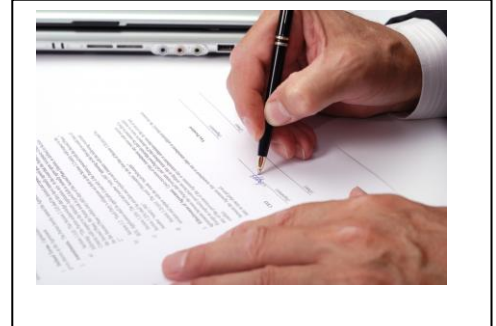
Customers of ETAC include Abtran, Air Atlanta, Allergan, Coca Cola, DAA, Diageo, Élan, Element Six, Forest Tosara, GN Resound, Irish Distillers, Iarnród Éireann, Lexmark & Pepsi.

Training Methodology

This classroom based course is highly interactive and uses practical exercises and simulated case studies to reinforce understanding and learning.

Course Organisation

Course Times are typically 9.00am-5.00pm.
Group sizes up to 12 per group.



ETAC

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