

## Lean Six Sigma Green Belt – Modules 1 and 2

Lean Six Sigma is a modern combination of business improvement methodologies suited to both manufacturing and transactional companies in all business sectors. Traditional Lean Enterprise generally focuses on removal of waste and traditional Six Sigma project focus is generally understanding the root cause and the reduction of variation. By combining the two, the result is reduced variation, improved quality, and removal of waste with increased velocity of throughput. The IQMS/TEC Lean Six Sigma training courses are a modular programme delivered by IQMS/TEC tutors and experienced Six Sigma Master Black Belts with the requisite qualifications to deliver training, mentoring and consulting.

This course is suitable for lean practitioners, six sigma stakeholders, champions, change agents and support staff who require a basic understanding of the Lean Six Sigma methodology and the potential business benefits (supported by examples) either for introducing and/or maintaining a Lean Six Sigma programme

Module 2 is a total of 5 days and builds on the knowledge gained in module 1 (yellow belt). This course provides the delegate with the skills necessary to lead process improvement teams as part of their full time job. The degree of knowledge and associated skills are less than a Black Belt. Module 2 builds on the knowledge gained from Module 1 and develops their understanding of Lean enterprise and the six sigma DMAIC (Define, Measure, Analyse, Improve and Control) model.

### Course Content:

- Lean Enterprise Tools
  - One Piece Flow
  - Just In Time (JIT)
  - Pull production (making only what the customer wants)
  - Kanban
  - Single Minute Exchange of Dies” (SMED)
- Project Planning
  - Project management
  - Team Selection
  - Project Scoping
  - Risk Analysis
  - Stakeholder Communication
- Voice of the Customer and Voice of the Business
  - Determining customer requirements
  - Critical to Quality (CTQ)
  - Understanding the Process
- Data Collection and Initial Analysis
  - Understanding sampling size and frequency
- Measurement System Analysis (MSA)
  - Gauge repeatability and reproducibility (Gauge R&R)
- Statistical Process Control (SPC) and Process Capability
- Team Tools for problem solving
  - Enlightened thinking
  - Affinity Diagrams
  - Interrelationship diagrams
- Process Improvement Implementation and Control
  - Collating, sorting and selecting ideas for process improvement and problem resolution
  - Tools for generating possible solutions
  - Piloting

## **Lean Six Sigma Green Belt – Modules 1 and 2**

After satisfactory completion of this course the delegate has the option to progress to Black Belt by completing Modules 3 and 4.

The course syllabi can be linked to on-site mentoring to ensure that newly acquired skills can be used immediately to drive forward sustainable improvement programmes.

Ideally individuals should link their Lean Six Sigma training to their own business improvement projects so that newly acquired skills can be used immediately. If required, on-site mentoring can be provided as an addition to any of the Lean six sigma modules to suit the individual projects (complexity and pace).

Mentoring can take the form of:-

- Assistance with the particular step of Lean-Six Sigma
- On-site awareness training for the Lean-Six Sigma project team
- On-site awareness training for the company's management team (champion training)
- Overview and review of a Lean-Six Sigma project

### **IN – HOUSE COURSES**

Offering better value for money, they can be customised and designed to match your individual specific requirements.

### **STYLE OF DELIVERY AND COURSE LEADERS**

Our course leaders are business improvement specialists, qualified professionals and experienced six sigma master black belts. They have extensive knowledge across a wide range of business sectors including manufacturing, finance, pharmaceuticals, local and national government. They have all cut their teeth as successful change agents within high profile organisations, and fully understand the range of technical, legislative and people challenges that face those with a responsibility for delivering real business improvements.

### **CERTIFICATION**

All delegates will be awarded a certificate verifying attendance and completion of the course. Delegates submitting a completed green belt project for evaluation and approval by one of our experienced master black belts will be certified as a six sigma green belt.

### **BOOKING AND COURSE FEES**

The fee includes full lunch and refreshments each day.  
Please complete the booking form and return together with the relevant fee.

The Lean Six Sigma training is provided in association with **TEC Concepts Limited**

#### **Modules 1 and 2**

**DURATION: 10 days**

**FEE: £2295.00 plus VAT**

Note: The lean six sigma courses are modular and if you can provide evidence that you have already completed the Lean Six Sigma Yellow Belt Module 1 then the following transition option maybe suitable for you.

#### **Yellow Belt to Green Belt Transition (Module 2 only)**

**DURATION: 5 days**

**FEE: £1295.00 plus VAT**