



[www.icanthus.co.uk](http://www.icanthus.co.uk) [www.qmt.co.uk](http://www.qmt.co.uk) [www.bqf.org.uk](http://www.bqf.org.uk)

# Six Sigma (6 $\sigma$ )

*In-House & Public Course  
Programme*

Yellow Belt

Green Belt

Black Belt

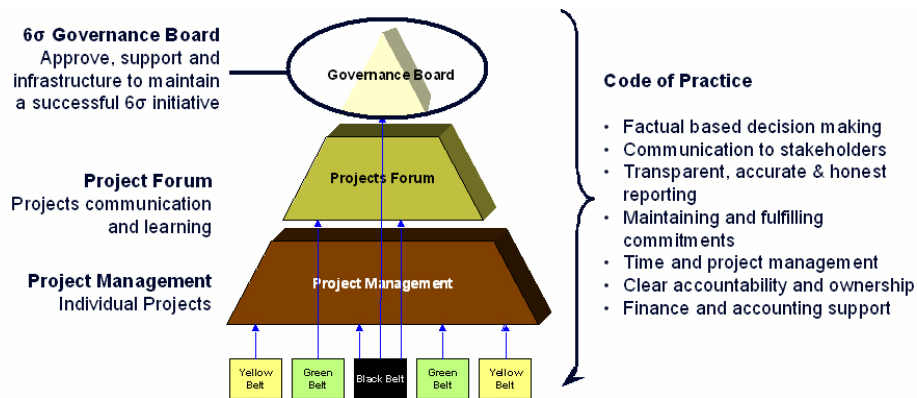
## Six Sigma

What is it? How does it work? Is it a technique or a culture change programme? Six Sigma is the name given to a management concept originated by Motorola in the late 1980's. It enabled them to become one of the first winners of the prestigious 'Baldrige Award for Quality'. It has now become an important new approach to business performance improvement. The main methodology for Six Sigma is; Define, Measure, Analysse, Improve, Control. (DMAIC).



1. *Define*: The customer, the key requirements, and the processes used to deliver outputs to the customer.
2. *Measure*: The performance of the process; understand the relationship between the process input variables (Xs) and the process outputs (Ys).
3. *Analyse*: The collected data is analysed to determine the dominant source(s) of variation.
4. *Improve*: Opportunities for improvement are identified from the analysis of data. Improvement actions are planned, implemented, and validated.
5. *Control*: Monitor and manage the enhanced process performance to ensure that the gains are sustained. Communicate the project's success to inspire others. Identify the opportunities for replication across other similar processes. Plan for the next project!

There is a very clear and defined hierarchy associated with Six Sigma, which is normally structured within an organisation with Green Belts (part-time), Black Belts (full-time), Master Black Belts (full-time coaches) and Champions or Sponsors.



## Course Structure

These courses are run in conjunction with Icanthus Limited, and are offered both as public courses and in-house courses. The mode of delivery comprises tutor led training sessions supported by course activities and a comprehensive pack of materials. Delegates are encouraged to apply the learning from the course by completing a six sigma project within their work environment.

## Course Outline

Course	Training	Certification	
		QMT / Icanthus	BQF
Yellow Belt	2 days	Certificate of training	N/A
Green Belt	5 days	Certificate of training + project certificate (one project required)	N / A
Black Belt	10 days	Certificate of training + project certificate (one project required)	Certification and registration available, subject to satisfying BQF criteria. (Please visit BQF at <a href="http://www.bqf.org.uk">www.bqf.org.uk</a> )

## The Six Sigma Package

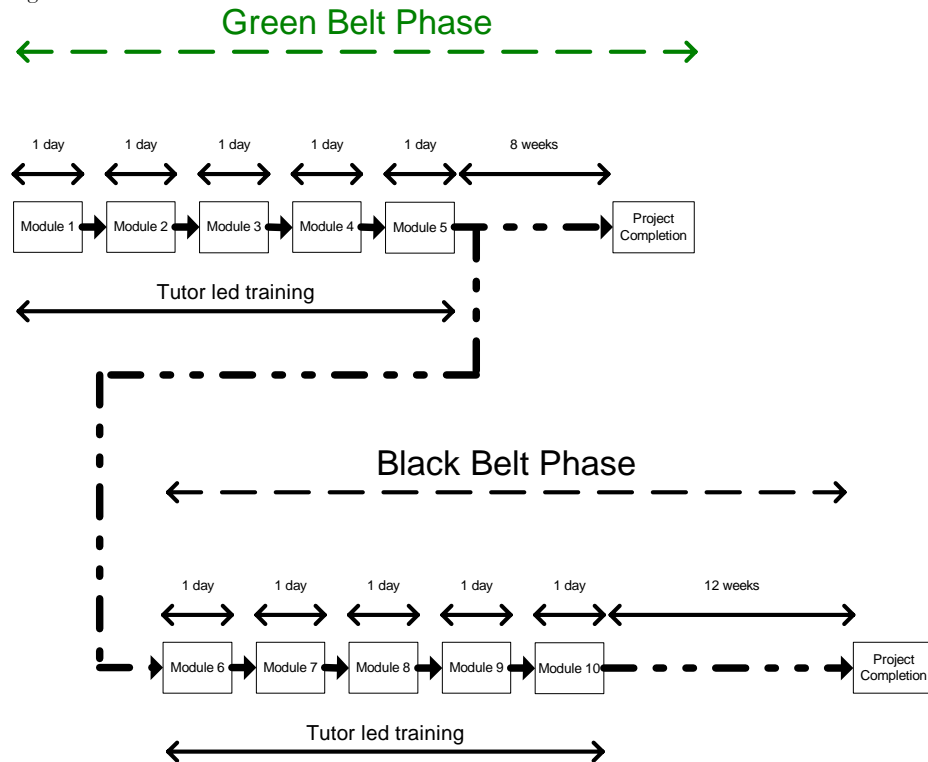
- Face to face lectures (including Minitab software examples)
- Course Notes
  - Ring binder with comprehensive notes for each session
  - Activity sheets and worked examples
- Textbooks
  - 'Quality Management Tools and Techniques' by Vorley & Tickle
  - 'Statistical Tables' by Murdoch & Barnes
- Scientific calculator
- Support - Tutorial and project support via Groove workspace, telephone, fax, email, etc.
- Monthly Quality Newsletter



## Six Sigma Certification

Following completion of the course, delegates will receive a QMT/Icanthus certificate of training. Additionally, a QMT/Icanthus project certificate will be awarded to Green and Black Belt candidates who complete a satisfactory six sigma project and submit a project report for assessment. The project certificate will enhance the training certification and

validate the delegate as a Green or Black Belt. Candidates also have the option of pursuing certification with the BQF and achieving registration on the BQF database of recognised Six Sigma Black Belts.



#### Role and Responsibilities of the associated organisations

**Quality Management & Training Limited (QM&T):** Provider of support materials, Six Sigma programme management, Six Sigma support and guidance. Course tutors. Project lead. Marketing, certification.

**Icanthus Limited** Course tutors and delivery, provider of course materials, tutor support, project assessment.

**British Quality Foundation (BQF):** Certification body, moderation & maintenance Six Sigma practitioner database. Marketing & selling: Six Sigma certification, Blended learning training programme. Source lecturers



Where Quality Counts!

For more information on any of the above courses please contact  
 Quality Management & Training Limited  
 PO Box 172, Guildford, Surrey, GU2 7FN United Kingdom  
 Tel: 00 44 1483 453511 Fax: 00 44 1483 453512  
 Email: [help@qmt.co.uk](mailto:help@qmt.co.uk).