



**CBIS** Business  
Compliance  
and Excellence

We Provide a Simple, Smart and  
Affordable route to Lean Six  
Sigma Training and Certification



SIX SIGMA YELLOW TO  
GREEN BELT UPGRADE



CLASSROOM  
TRAINING

## WHO WE ARE



At CBIS, we offer classroom training for Lean Six Sigma Yellow Belt, Green Belt and Black Belt courses under accreditation of International Association for Six Sigma Certification (IASSC) and the Council for Six Sigma Certification. We are also Exemplar Global Certified TPECS Provider for the various Lean, Six Sigma, Lean & Six Sigma training courses from introductory to advanced level in compliance with ISO 18404:2015 international standard.

Here is a handful of our clients:



vicroads



SPOTLESS



## COURSE OVERVIEW



This Six Sigma Yellow to Green Belt Upgrade course prepares participants to perform the role of a Six Sigma Green Belt. The Six Sigma Yellow to Green Belt Upgrade training materials comprise a comprehensive curriculum covering everything within the Six Sigma Body of Knowledge required to successfully complete Green Belt certification.

After achieving this qualification, Green Belts contribute their knowledge and expertise utilising the DMAIC methodology and the relevant tools during execution of a project in their work unit as a project manager under supervision of a Black Belt.

## DURATION



2 Full days – 9 am to 5 pm

## CERTIFICATION



After passing the knowledge exam and successful completion of the Six Sigma Green Belt Project Portfolio within 6 months, participants will be certified as Six Sigma Green Belt.

The certificate will be granted under Exemplar Global banner according to ISO 18404 international standard and includes the project title.

## TARGET AUDIENCE



The Six Sigma Yellow to Green Belt Upgrade certification program is perfect for participants who are already Certified Six Sigma Yellow Belts who wants to upgrade their knowledge to become a Six Sigma Green Belt.

## WHAT IS INCLUDED



- ✓ Pre-course On-line Introduction Video
- ✓ Green Belt Course Material (Hard Copy)
- ✓ Minitab Exercises Manual (Hard Copy)
- ✓ Data files for Minitab practices
- ✓ One-month Minitab exercise support
- ✓ Green Belt project templates pack to be used for the Six Sigma Project
- ✓ Green Belt practice test
- ✓ Green Belt Certification Exam
- ✓ Green Belt Project Portfolio
- ✓ Six months project support service

## PREREQUISITES



A Six Sigma Yellow Belt or Lean Six Sigma Yellow Belt Certificate issued by an accredited training service provider is a prerequisite for this course. Without this certification, CBIS cannot guarantee the adequacy of the Green Belt training. The Green Belt Body of Knowledge is not covered in detail during this course. Intermediate level numeracy and statistical knowledge are required.



## COURSE OUTLINE



### Introduction to Six Sigma

- DMAIC Methodology
- DMAIC Vs. DMADV

### Define Phase

- Team, Teamworking, Team Building, Team roles and responsibilities
- Affinity Diagram
- Project Selection Matrix
- Stakeholders Analysis
- Project Risk Assessment
- Project Planning / Project Management
- Communication Skills and Communication Planning
- Project Charter
- SIPOC
- Voice of Customer (VOC)
- Critical to Quality (CTQ)

### Measure Phase

- C&E Matrix (X-Y Diagram)
- Different types of Data
- Inferential and descriptive statistics
- Population and Sampling
- Stratification
- Data Collection Plan
- Measurement System Analysis (MSA)
- Accuracy and Precision
- Bias
- Linearity
- Stability
- Repeatability & Reproducibility (G R&R)
- Attribute MSA (KAPPA)
- Statistical Measures (Mean, Median, Mode, Range, Variance, Standard Deviation, Skewness, Kurtosis)
- Different Types of Variation
- Histogram
- Normal Distribution and Normality
- Run Chart
- Individual Control Chart
- Normal and standardised normal distributions
- Central Limit Theorem
- Process Capability Indices (Cp, Cpk, Pp, Ppk)
- Short Term and Long Term Sigma Level

### Analyse Phase

- Statistical Cause Validation Tools
- Box Plot, Dot Plot, Main Effect Plot, Multi-vari Chart
- Hypothesis Test
- Chi-square Test
- Scatter Plot and Correlation
- Simple Linear Regression
- Non-Linear Regression
- Multiple Linear Regression

### Improve Phase



- Cost-Benefit Analysis
- Improvement Solution Selection

- Motivation and Motivating Others
- Project Pilot
- Project Planning

#### Control Phase

- Control Plan
- Self-Review and Self Development
- Individual and organisational changes
- Statistical Process Control
- Variable Control Charts (Xbar-R, Xbar-S, ...)
- Attribute Control Charts (C chart, P chart, ..)
- Before and After Analysis
- Presentation and Report Writing Skills
- Project Closure

### CONTACT US



Melbourne Office: Level 9, 440 Collins Street Melbourne VIC 3000

T +61 3 8686 9161

Sydney Office: Level 5, 7 Eden Park Drive, Macquarie Park, NSW 2113

T +61 2 8598 8597

Brisbane Office: 9/204 Alice St, Brisbane QLD 4000

T +61 7 3708 3273

Perth Office: 202/37 Barrack St, Perth WA 6000

T +61 8 6165 8840

E [info@cbisco.com.au](mailto:info@cbisco.com.au)

W [www.cbisco.com.au](http://www.cbisco.com.au)

