

Course Code: PS-03

Course Duration: 8 days

German Rheinland PersCert Registration Six Sigma Green Belt Course and Qualification Certification (Qualification Code 40122)

Course benefits:

- Understand the significance of implementing Six Sigma
- Master the basic concepts of Six Sigma
- Understand the basic methods of implementing Six Sigma
- Understand the methodology of Six Sigma management
- Master the essential tools needed in a Six Sigma project
- Able to complete a Six Sigma Green Belt project and gain benefits

Participant:

- manager
- director
- engineer
- Anyone working to improve quality or reduce costs

Course Outline:

Day 1 _	<ul style="list-style-type: none"> • Course Introduction • Six Sigma Overview • Introduction to Minitab • Project selection
Day 2	<ul style="list-style-type: none"> • SIPOC diagram • Team formation and project management • Basic Statistics • Attribute Measurement System Analysis • Brainstorming and fishbone diagrams
Day 3	<ul style="list-style-type: none"> • Metrology Measurement System Analysis • Statistical Process Control (SPC) Preliminary
Day 4	<ul style="list-style-type: none"> • Process Capability Analysis • Detailed process diagram • causal matrix • Six Sigma Roadmap Overview • Six Sigma case sharing • Six Sigma DM Stage Exam

<p>Day 5</p>	<ul style="list-style-type: none"> • DM Stage Review • multivariate analysis • confidence interval • Hypothesis Testing Concept • Proportion Test Theory
<p>Day 6</p>	<ul style="list-style-type: none"> • One-Sample T - Test • Two-sample t - test (• one variance • Two variance test • ANOVA • Equal variance test
<p>Day 7</p>	<ul style="list-style-type: none"> • Correlation and Unary Regression • Multiple Regression • 2k experimental design method
<p>Day 8</p>	<ul style="list-style-type: none"> • 2k Design of Experiments (continued) • Fool-proof measures • standardization • Six Sigma Path Map • Six Sigma Certification Exam