Datalyzer

Six Sigma Green Belt Training

Remote training & Certification

Datalyzer International

Datalyzer International

Datalyzer® International was the first company ever to sell a commercial SPC and Gage R&R software dating back to 1979. Our 40+ years of unsurpassed support for Quality tools implementation across six continents has resulted in our invaluable experience in training, consultancy, and implementation with **over 4000+ customers worldwide till this date.**

Datalyzer International is committed supporting our client's success by providing software, training and support for Real time SPC, statistical analysis, gage management (MSA/Calibration), FMEA, CAPA/Workflow and other quality and productivity related applications. The goal of all Datalyzer International products is to assist companies in the continuous improvement of quality and productivity in a cost-effective way with user-friendly state of the art software. Datalyzer International Inc is dedicated to supporting our customers with personal, comprehensive, on-site implementation and training of the software combined with expert consultancy, training in the underlying techniques, and superb support using our software. We are committed to continuously improving our products to offer customers maximum value for their investment. The Six Sigma program by Datalyzer is internationally accredited by International Lean Six Sigma Institute (ILSSI, UK).

Six Sigma Green Belt Training

Six Sigma is a structured, data-driven approach to reducing defects and process variation, ultimately leading to improved process performance, enhanced process capability, and measurable financial benefits. It provides a wide range of tools, methodologies, and analytical techniques that can be applied depending on the organization's needs, the nature of its processes, and its business objectives.
Six Sigma can be applied across a wide variety of industries and organizational functions. In addition to acquiring the fundamental knowledge and tools of Six Sigma, participants in this training program will develop an understanding of the methodologies, skills, and mindset required to successfully lead and execute improvement projects as Six Sigma Green Belts.

Relevancy of training program: This training program is particularly relevant for professionals seeking to develop a deeper understanding of process improvement and learn how to implement structured improvement projects that deliver measurable and sustainable financial benefits, particularly in manufacturing environments.
Using the DMAIC (Define, Measure, Analyze, Improve, Control) methodology and the principles of Six Sigma, participants will learn how to identify improvement opportunities, analyze process performance, address root causes, implement effective solutions, and sustain the results achieved.

Free use during 1 year of Qualis Analytics

Most (Lean) Six Sigma training programs have been using Minitab to train in the past. Since 2025, prices of Minitab licenses has become much higher and therefore small and medium sized companies often struggle with these investments. Datalyzer uses our Qualis Analytics and Gage Management applications during its Six Sigma training programs which have all the required functionality. It is even more suited to use in real life because it uses web-based technology and all data is stored in a database. Qualis Analytics is priced based on a concurrent license structure so with one concurrent license many employees can apply six sigma technologies. Additionally Datalyzer offers FMEA and real time SPC integrated with Analytics and MSA as well offering the most advanced integrated quality software solution available in industry.

Refer to our website for more details on our Qualis Analytics software: Six Sigma Analytics Software | Qualis Analytics | Datalyzer, and Qualis MSA Gage Management: Gage Management Software | Calibration & MSA | Datalyzer.

From the start of the training until **1 year** later you can make **free use** of Qualis Analytics and Qualis Gage Management in a SaaS environment which means you have access anywhere and the trainer can real-time check your data to assist. If preferred or required you can also run in-house.



Course Objectives

The following are the objectives and/or the outcomes that will be gained by the participants upon completing the course:

- Able to understand and apply the concepts of basic statistics.
- Understand the concept of Six Sigma Overview using DMAIC Model Approach.
- Able to conduct an improvement project from DMAIC Model perspective.
- Master all the essential systems of Six Sigma Green Belt level.
- Learn necessary improvement and monitoring tool for improvement project (ANOVA, DOE, SPC).
- Calculate tangible savings or cost avoidance from an improvement project.
- Receive the ILSSI Green Belt certificate

Intended Audience

This course is design for senior technicians, engineers, executive staff levels and above that are involved in manufacturing.

Course Modes and Duration

The Six Sigma Green Belt Training includes **14 sessions** of **4 hours** and one extra session including exam preparation and the actual **exam**. Optionally, participants can schedule extra coaching sessions during the training and after completion of the training (max 6 months from start of training) if an actual Six Sigma improvement project is selected. Reach out to Datalyzer to schedule the pre-assessment and discuss the possibility to include your improvement & cost savings project within this Six Sigma Green Belt Training program.

Certification

An online exam will be part of the training and if successfully passed, the students receive an official **Six Sigma Green Belt Certificate** from **ILSSI**. Datalyzer is accredited partner of ILSSI.

Training investment

The total investment of participation in the Six Sigma Green Belt program is €2,495.00.
The fee includes:

- Participation in the 14-session Six Sigma Green Belt training program.
- The certification examination.
- Six Sigma Green Belt certification issued by ILSSI.
- One year of access to Datalyzer Qualis Analytics and Gage Management software.

Planning

The training will run on Thursday's for 14 weeks, starting from February 4th onwards. The training will run from **09.00 till 13:00 CET time**. Training dates are:

February 4th	March 11th	April 15th
February 11th	March 18th	April 22nd
February 18th	March 25th	April 29th
February 25th	April 1st	May 6th
March 4th	April 8th	

Datalyzer Training Contents

Day 1: Define Phase

1. **Overview of Six Sigma Improvement Initiative**
   a) Define, Measure, Analyze, Improve, Control (DMAIC) Phase
   b) Overall Tools to Utilize

2. **Six Sigma Project Definition**
   a) Project Charter
   b) Project Scope and System Definition
   c) Cost Savings and Cost Avoidance
   d) Key Metrics vs Company/Department Goals
   e) Exercises

3. **Statistics: Beginner**
   a) Concept of Statistics
   b) Graphical Representation
   c) Case Studies
   d) Exercises

4. **Qualis Analytics Software**
   a) Statistical Tests using Qualis Analytics
   b) Hands on Exercises

Day 2-3: Measure Phase

5. **Continuation Statistics: Beginner**
   a) Data Statistics
   b) Graphical Analysis Tools
   c) Probability Distributions Introduction
   d) Histogram
   e) Correlation and Regression

6. **Data Collection**
   a) Collection Planning
   b) Data Preparation
   c) Boundaries, Metrics and Importance

7. **Failure Mode Effect & Analysis**
   a) What is FMEA
   b) Types of FMEA
   c) FMEA from a Quality Standard Point
   d) Concept of Severity, Occurrence, Detection
   e) Risk Priority Numbers
   f) Special Cases of FMEA
   g) Latest Trends of FMEA in Industry



8. **Measurement System Analysis (MSA)**
   a) Variable: Gauge Reproducibility and Repeatability
   b) Variable: Bias
   c) Variable: Linearity
   d) Variable: Stability
   e) Attribute (Kappa, Miss Rate, False Alarms and Agreement)
   f) Exercises

Day 4: Analyze Phase

9. **Root Cause Analysis**
   a) Ishikawa Fish Bone
   b) Cause & Effect Analysis
   c) 5 Whys (Systemic and Occurrence)
   d) Abstract of 4D One Pager

10. **Statistics: Intermediate**
   a) Probability Distributions
   b) Sample Size, Frequency and Its Justifications
   c) Concept of Hypothesis Testing
   d) Correlation & Regression
   e) Statistical Tests
   f) ANOVA
   g) Case Studies
   h) Exercises

Day 5-6 : Improve Phase

11. **Design of Experiment (DOE)**
   a) Factors, Planning and Preparation
   b) Full Factorial DOE
   c) 2K Factorial DOE
   d) Special Cases and Case Studies
   e) Exercises

12. **Process Capability Study**
   a) Indices (Cpk, Ppk)
   b) Correct Methods of Tackling Process Indices Issue

13. **Piloting a Solution**

14. **Holistic and Systemic Approach**

15. **Planning Implementation and Consideration BKM**



Day 7: Control Phase

16. Statistical Process Control (SPC)

a) Introduction to SPC
b) Control Charts
c) SPC Rules
d) Implementing SPC
e) Team Responsibilities
f) SPC Audit
g) Exercises

17. Reverse FMEA
18. Live Documentation Update
19. Metrics Monitoring
20.Team Reflection

More Information?

For more information and/or in order to receive a quote, reach out to sales@datalyzer.com .



List of Training offered by DataLyzer

- Concept of Quality Engineering – Audits, Control Plan, SPC, MSA, FMEA
- Six Sigma – Yellow Belt
- Six Sigma – Green Belt
- Six Sigma – Black Belt
- Six Sigma – Train the Trainer
- Supplier Auditing Training – Supplier Quality Engineering
- Quality System Auditing
- Problem Solving through 7 QC Tools
- 8D Problem Solving Methodology
- Statistical Process Control – Basic
- Advanced Statistical Process Control
- FMEA AIAG-VDA
- Measurement System Analysis
- Datalyzer Qualis SPC Software Training (Basic and Super User)
- Datalyzer Qualis Analytics Software Training
- Datalyzer Qualis Gage (MSA and Calibration) Software Training
- Datalyzer Qualis FMEA and Control Plan Software Training

Datalyzer has offices in USA, Netherlands, Portugal, India and Malaysia.

For more information send an email to sales@datalyzer.com.

