

Training dates

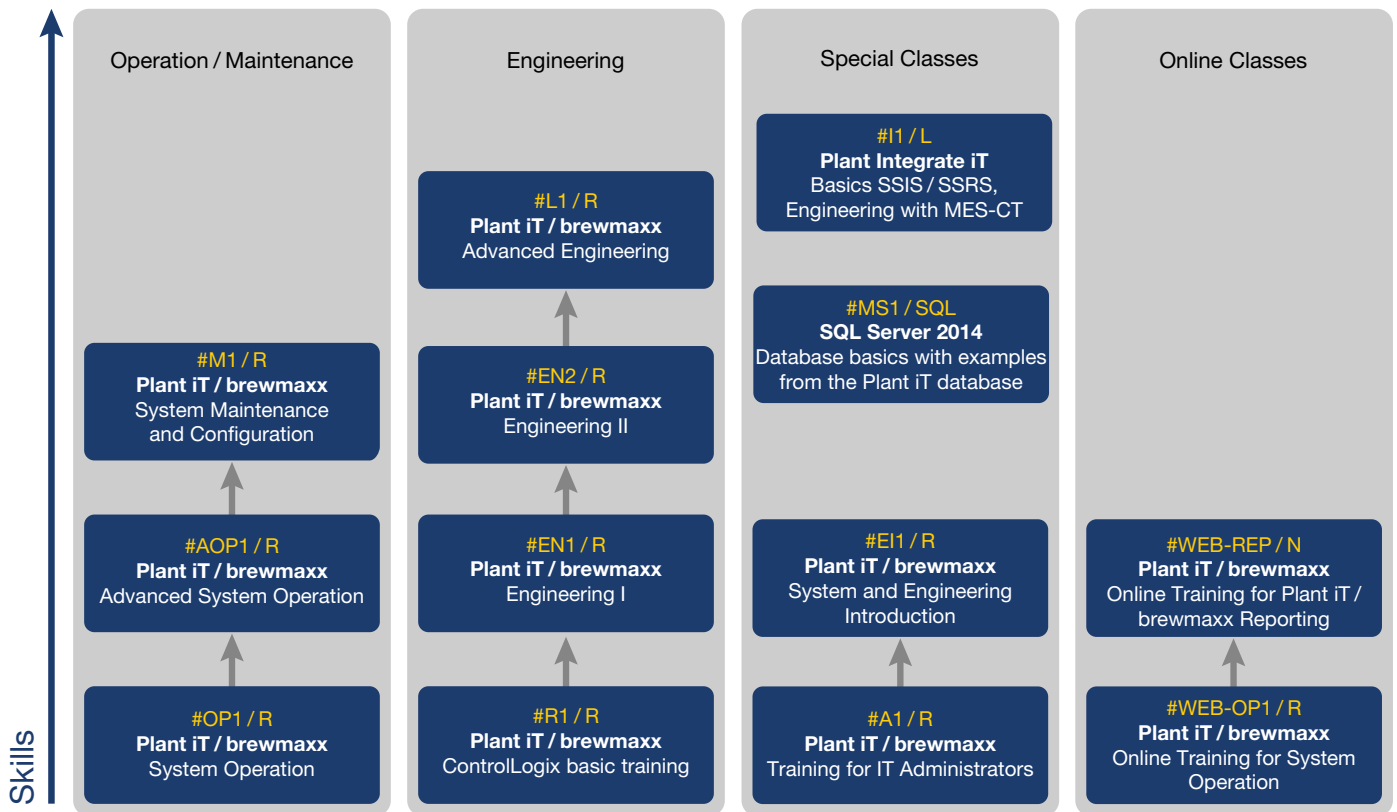
ProLeiT



Process Control Systems. MES inside.

2019

Training concept ProLeiT Corp./USA



Course # OP1/R - US (only available at ProLeiT Corp./USA):

Plant iT / brewmaxx

System Operation based on Rockwell

Content:

- Overview of the process control system
- Working with the Operation Manager
- Working with operator dialogues
- Fault scenarios and fault clearance strategies
- Research of messages and measured value recordings
- Working with procedures and recipes
- Order list

Target:

Introduction to Plant iT and brewmaxx operator functions for personnel required to operate a plant.

Prerequisite:

Introductory experience with Plant iT and brewmaxx.

Dates:

Trainings in English:

I: 19/04/22 - 19/04/23 (Mo. - Tu.)

II: 19/10/21 - 19/10/22 (Mo. - Tu.)

III: On request

Duration: 2 days

Price p. P. / Course: \$ 1,400

Location: Chicago, USA

Registration Course # OP1/R

ProLeiT Corp.
1801 W. Warner Ave, Ste. 302
Chicago, Illinois 60613
United States

Phone +1 224 880 6536
E-mail corp@proleit.com
Internet www.proleit.com

Course # AOP1/R - US (only available at ProLeiT Corp./USA):

Plant iT / brewmaxx

Advanced System Operation based on Rockwell

Content:

- Repetition of brewmaxx basics
- Diagnose status monitoring
- Order list
- Process models according to ISA 88.01
- Fifo – Tank pipe communication
- Procedures and recipes
- Basics of Material Management
- brewmaxx Material Management operation and research
- Event log
- Order archive
- Reporting
- Measured value views
- User management

Target:

Providing knowledge about advanced system functions on the MES level and for production administration on the supervisory level.

Prerequisite:

Plant iT and brewmaxx operating skills.

Dates:

Trainings in English:

I: 19/05/14 - 19/05/15 (Tu. - We.)

II: 19/11/05 - 19/11/06 (Tu. - We.)

III: On request

Duration: 2 days

Price p. P. / Course: \$ 1,700

Location: Chicago, USA

Registration Course # AOP1/R

ProLeiT Corp.
1801 W. Warner Ave, Ste. 302
Chicago, Illinois 60613
United States

Phone +1 224 880 6536
E-mail corp@proleit.com
Internet www.proleit.com

Course # M1/R - US (only available at ProLeiT Corp./USA):

Plant iT / brewmaxx

System Maintenance and Configuration based on Rockwell

Content:

- System overview
- Working with the process visualization
- Working with procedures and recipes
- Basic principles of automation classes
- Engineering basics
 - Process visualization
 - Automation objects
 - Creation of an automation object
 - Parameterization of automation objects
 - Sequence controller
 - Modification of process messages, sequence parameters, object activations (OCM) and transitions
- Fault scenarios and fault clearance strategies
 - Physical (Object Level)
 - Digital IO
 - Analogue IO
 - Process (Sequence start not possible, sequence on hold)
 - Step monitoring times
 - OCM errors
 - Sequence interlocks
 - Identify an individual process alarm
 - System
 - PLC communication
 - IO network communication
 - Server fall-out
- System and process diagnostic possibilities
- Reload of a PLC/PAC
- System re-start after network disconnection

Course # M1/R - US (only available at ProLeiT Corp./USA):

Plant iT / brewmaxx

System Maintenance and Configuration based on Rockwell

Target:

The goal of this course is to provide the student with a strong understanding of how to troubleshoot and maintain the ProLeiT system. The course will focus on the review of typical scenarios that maintenance resources will encounter in their day to day job function. Each scenario will include an explanation of the troubleshooting methods and brewmaxx graphical interface functions in relation to the process and Rockwell PLC system.

Prerequisite:

Basic PC skills, process knowledge and basic knowledge of automation equipment. ProLeiT operator training.

Dates:

Trainings in English:

I: 19/04/24 - 19/04/26 (We. - Fr.)

II: 19/10/23 - 19/10/25 (We. - Fr.)

III: On request

Duration: 3 days

Price p. P. / Course: \$ 2,100

Location: Chicago, USA

Registration Course # M1/R

ProLeiT Corp.
1801 W. Warner Ave, Ste. 302
Chicago, Illinois 60613
United States

Phone +1 224 880 6536
E-mail corp@proleit.com
Internet www.proleit.com

Course # EN1/R - US (only available at ProLeiT Corp./USA):

Plant iT / brewmaxx

Engineering I based on Rockwell

- Plant Direct iT – The Process Control System
- Plant Acquis iT – The Production Data Management System

Content:

- System overview and basic functions
- Configuration Manager
- Parameterisation of connections
- Parameterisation and interconnection of objects (data acquisition and automation objects)
- Visualisation
- Automation classes (CM)
- Message system
- Recording of amounts, measured values
- Data evaluation and logging, administration

Target:

Personnel required to independently parameterise, configure and operate plants with Plant Direct iT.

Prerequisite:

PLC software skills, Microsoft Office (Excel) skills.

Dates:

Trainings in English:

- I: 19/03/05 - 19/03/08 (Tu. - Fr.)
- II: 19/06/11 - 19/06/14 (Tu. - Fr.)
- III: 19/09/17 - 19/09/20 (Tu. - Fr.)
- IV: On request

Duration: 4 days
Price p. P. / Course: \$ 2,900
Location: Chicago, USA

Registration Course # [EN1/R](#)

ProLeiT Corp.
1801 W. Warner Ave, Ste. 302
Chicago, Illinois 60613
United States

Phone +1 224 880 6536
E-mail corp@proleit.com
Internet www.proleit.com

Course # EN2/R - US (only available at ProLeiT Corp./USA):

Plant iT / brewmaxx

Engineering II based on Rockwell

- Plant Direct iT – The Process Control System
- Plant Liqu iT – Technology-oriented Recipe Control System

Content:

- Object control matrices (OCM)
- Sequences and procedures (SEQ)
 - Creation of:
 - Phases and phase groups
 - Sequence controller classes and instances
 - Step and unit parameters
 - Transitions
 - Sequence messages
 - User requests
 - Creation of the user program in the PLC
 - Creation of procedures and recipes
 - REM (Route Equipment Module)
 - SeqCom/SeqStart

Target:

Personnel required to independently parameterise, configure and operate plants with Plant Direct iT.

Prerequisite:

PLC software skills, Microsoft Office (Excel) skills.

Dates:

Trainings in English:

- I: 19/03/11 - 19/03/14 (Mo. - Th.)
- II: 19/06/17 - 19/06/20 (Mo. - Th.)
- III: 19/09/23 - 19/09/26 (Mo. - Th.)
- IV: On request

Duration: 4 days
Price p. P. / Course: \$ 2,900
Location: Chicago, USA

Registration Course # EN2/R

ProLeiT Corp.
1801 W. Warner Ave, Ste. 302
Chicago, Illinois 60613
United States

Phone +1 224 880 6536
E-mail corp@proleit.com
Internet www.proleit.com

Course # R1/R - US (only available at ProLeiT Corp./USA):

Plant iT / brewmaxx

ControlLogix basic training

Content:

- General information
- Digital technology fundamentals
- System configuration of a PLC
- Starting a new project in ControlLogix
 - Setting the connection to the PLC
- Memory and project organization
- Ladder logic programming
- Timers and counters
- Math instructions
- Special instructions
- Add-on instructions
- Communication
- Producer/consumer tags
- Messaging
- Structure of the ProLeiT PLC project template

Target:

Preparation of complex control programs in ladder logic and comprehensive knowledge of almost all commands (90 %) of controllogix controller.

Prerequisite:

Fundamentals of digital technology and number systems.

Dates:

Trainings in English:

I: 19/02/25 - 19/02/28 (Mo. - Th.)

II: 19/10/01 - 19/10/04 (Tu. - Fr.)

II: On request

Duration: 4 days

Price p. P. / Course: \$ 2,600

Location: Chicago, USA

Registration Course # R1/R

ProLeiT Corp.
1801 W. Warner Ave, Ste. 302
Chicago, Illinois 60613
United States

Phone +1 224 880 6536
E-mail corp@proleit.com
Internet www.proleit.com

Course # L1/R (only available at ProLeiT Corp./USA):

Plant iT / brewmaxx

Advanced Engineering based on Rockwell

- brewmaxx Liqu iT – Technology-oriented Recipe Control System
- brewmaxx material – The Process-oriented Material Management System

Content:

- Process models according to ISA 88.01
- Tank and pipe communication
- Storage unit (SU)
- Master data management
- Material management, tracking & tracing
- Sequence communication
- Route Equipment Module
- Routing management
- Reporting

Target:

Personnel required to independently parameterize, configure and operate plants with brewmaxx Direct iT.

Prerequisite:

brewmaxx training with sequences, PLC programming skills, Microsoft Office (Excel) skills.

Dates:

Trainings in English:

I: On request

Duration: 4 days

Price p. P. / Course: \$ 3,100

Location: Chicago, USA

Registration Course # L1/R - US

ProLeiT Corp.
1801 W. Warner Ave, Ste. 302
Chicago, Illinois 60613
United States

Phone +1 224 880 6536
E-mail corp@proleit.com
Internet www.proleit.com

Course # EI1/R - US (only available at ProLeiT Corp./USA):

Plant iT / brewmaxx

System and Engineering Introduction based on Rockwell

- Plant Direct iT – The Process Control System
- Plant Acquis iT – The Production Data Management System

Content:

- System overview and basic functions
- Configuration Manager
- Parameterisation of connections
- Parameterisation and interconnection of objects (data acquisition and automation objects)
- Visualisation
- Automation classes (CM)
- Message system
- Object control matrices (OCM)
- Recording of amounts, measured values
- Sequences and procedures (SEQ)
- Data evaluation and logging, administration

Target:

Personnel required to have a good understanding of the system and its components in order to deliver technical management and supervision or decision making.

Prerequisite:

PLC software skills, Microsoft Office (Excel) skills.

Dates:

Trainings in English:

I: On request

Duration: 3 days

Price p.P./Course: \$ 2,100

Location: Chicago, USA

[Registration Course # EI1/R](#)

ProLeiT Corp.
1801 W. Warner Ave, Ste. 302
Chicago, Illinois 60613
United States

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E-mail corp@proleit.com
Internet www.proleit.com

Course # A1/R - US (only available at ProLeiT Corp./USA):

Plant iT / brewmaxx

Training for IT Administrators based on Rockwell

Content:

- System overview
- Installation of the server and workstations
- Execution of data protection (backup)
- Import of a backup
- User management
- Handling of archive server
- Database management
- Services
- Using virus scanners and Microsoft patches
- Usage of event logs
- Configuration of the Plant iT shell
- System diagnostic possibilities

Target:

Personnel required to independently manage and administer plants with Plant iT / brewmaxx.

Prerequisite:

Windows server skills, Microsoft SQL database skills.

Dates:

Trainings in English:

I: On request

Duration: 2 days

Price p.P./Course: \$ 1,600

Location: Chicago, USA

Registration Course # A1/R

ProLeiT Corp.
1801 W. Warner Ave, Ste. 302
Chicago, Illinois 60613
United States

Phone +1 224 880 6536
E-mail corp@proleit.com
Internet www.proleit.com

Course # WEB-OP1/R - US (only available at ProLeiT Corp./USA):

Plant iT/brewmaxx

Online Training for System Operation based on Rockwell

Content:

- Overview of the process control system
- Working with the Operation Manager
- Working with operator dialogues
- Research of messages and measured value recordings
- Working with procedures and recipes
- Fault scenarios and fault clearance strategies

Target:

- Personnel required to operate a plant
- Provides introduction to Plant iT/brewmaxx operator functions

Prerequisite:

Introductory experience with Plant iT/brewmaxx.

Course # WEB-OP1/R - US (only available at ProLeiT Corp./USA):

Plant iT / brewmaxx

Online Training for System Operation based on Rockwell

Session	Module	Topic	Contents	Duration/h
1	Overview of the process control system	Overview of the process control system	- System navigation - User Log in - Customization of the workplace	2
2	General plant operation	Operator Dialogs	Automation classes	2
3	General plant operation	Operator Dialogs	Sequence controller	2
4	General plant operation	Research of messages and measured value recordings	- Trends - Messages - Mat. movements	2
5	General plant operation	Procedures and recipes	- Administration of procedures and recipes - Creation of recipes	2
6	Fault scenarios and fault clearance strategies	Automation objects	- Feedback errors - Manual, simulation mode - Messages	2
7	Fault scenarios and fault clearance strategies	Sequence controllers	- OCM error - Process messages - PLC IO	2
8	Fault scenarios and fault clearance strategies	Sequence controllers II	- Sequence communication - Fifo and tankfarm - REM	2

Dates:

Trainings in English:

I: On request

Duration: 8 Sessions
 á 2 hrs
Price p.P./Course: \$ 1,400
Location: Chicago, USA
Registration Course # WEB-OP1/R

ProLeiT Corp.
 1801 W. Warner Ave, Ste. 302
 Chicago, Illinois 60613
 United States

Phone +1 224 880 6536
 E-mail corp@proleit.com
 Internet www.proleit.com

Course # WEB-REP/N - US (only available at ProLeiT Corp./USA):

Plant iT/brewmaxx

Online Training for Plant iT/brewmaxx Reporting

Content:

- Introduction
- Basic concept
- Report designer
- Sharpshooter report editor
 - Layout
 - Overview reports
- Report configuration
 - Additional data
 - Calculations
- Advanced reporting
 - Preparing data for special reports
 - Batch report/overview reports

Target:

- Personnel required to operate a plant
- Provides introduction to Plant iT/brewmaxx operator functions

Prerequisite:

Introductory experience with Plant iT/brewmaxx.

Course # WEB-REP/N - US (only available at ProLeiT Corp./USA):

Plant iT / brewmaxx

Online Training for Plant iT / brewmaxx Reporting

Session	Module	Topic	Contents	Duration/h
1	Introduction, Basic concept	Reporting basics	- Step log - Overview of tools - Creation of report templates - Basic report layout - Evaluation of reports	2
2	Report designer	Batch report	- Data types - Selections - Filters	2
3	Sharpshooter report editor	Layout	Formatting options	2
4	Report configuration	Additional data	- Trends - Messages - Mat. movements	2
5	Report configuration	Calculations	- Totals per time and brand - Area	2
6	Sharpshooter report editor	Overview reports	- Special formatting - Sharp shooter script	2
7	Advanced reporting 1	Preparing data for special reports	- Special formatting - Sharp shooter script	2
8	Advanced reporting 2	- Batch report - Overview reports	Display data from a log table	2

Dates:

Trainings in English:

I: On request

Duration: 8 Sessions

á 2 hrs

Price p.P./Course: \$ 2,200

Location: Chicago, USA

Registration Course # WEB-REP/N

ProLeiT Corp.
1801 W. Warner Ave, Ste. 302
Chicago, Illinois 60613
United States

Phone +1 224 880 6536
E-mail corp@proleit.com
Internet www.proleit.com

Course # D1/R - US (only available at ProLeiT Corp./USA):

Plant iT/brewmaxx

Basic training incl. Sequences based on Rockwell

- Plant Direct iT/brewmaxx – The Process Control System
- Plant Acquis iT/brewmaxx – The Production Data Management System

Content:

- System overview and basic functions
- Operation Configuration Manager
- Message system
- Measured value recording
- Visualisation
- Automation classes (CM)
- Parameterisation and interconnection of objects (data acquisition and automation objects)
- Control matrices (OCM)
- Sequences and procedures (SEQ)
- Data evaluation and logging, administration

Target:

Independent parameterisation of the additional functions of Plant Liqu iT/brewmaxx.

Prerequisite:

RS LOGIX 5000 skills, Microsoft Office (Excel) skills.

Dates:

Trainings in English:

I: On request

Duration: 5 days

Price p. P. / Course: \$ 3,300

Location: Chicago, USA

[Registration Course # D1/R - US](#)

ProLeiT Corp.
1801 W. Warner Ave, Ste. 302
Chicago, Illinois 60613
United States

Phone +1 224 880 6536
E-mail corp@proleit.com
Internet www.proleit.com

Course # MS1/SQL - US (only available at ProLeiT Corp./USA):

SQL Server 2014

Database basics with examples from the Plant iT database

Content:

- Basics of databases
 - Basic concepts; requirements; relationships; Entity Relationship Model (ERM)
- DDL (Data Definition Language)
 - Create/change/delete databases and tables; save/restore databases, data types and field attributes
- DML (Data Manipulation Language)
 - Queries on tables; aggregation functions; create/change/delete data sets
- Programming
 - Variables; case differentiation; conversion of data types; dynamic SQL; error handling; views; temporary tables; user-defined functions; stored procedures; cursor; trigger; transactions
- Further features
 - Agent; profiler; linked server
- Examples Plant iT (dbldc)
 - Data organisation of the automation objects; DBCom (example: counter); FiFo User SP (lock tank); create SP to generate an order name

Target:

Understanding of MS SQL Server 2014 basic functions. Analysis and creation of queries, functions and procedures. Understanding of Management Studio and programming basic extensions in the Plant iT database.

Prerequisite:

Initial programming experience with PLCs or PC systems is advantageous.

Dates:

Trainings in English:

I: On request

Duration: 5 days

Price p. P. / Course: \$ 3,100

Location: Chicago, USA

Registration Course # MS1/SQL- US

Course # S1/S - US (only available at ProLeiT Corp./USA):

STEP7 STL

Programming course based on Siemens

Content:

- Principles of control technology and the SIMATIC PLC
- Block types
- Bit operations
- Digital operations
- Simple jump operations
- Time and counting functions
- Number representation in S7
- Comparison and basic arithmetic operations
- Registers
- Jumps and loops
- Word operations
- Addressing types and pointers
- Control system structures in the PLC
- Connection types

Target:

Preparation of complex control programs in STL and comprehensive knowledge of almost all commands (90 %) of a Simatic S7 controller.

Prerequisite:

Fundamentals of digital technology and number systems.

Dates:

Trainings in English:

I: On request

Duration: 4 days

Price p. P. / Course: \$ 2,600

Location: Chicago, USA

[Registration Course # S1/S - US](#)

ProLeiT Corp.
1801 W. Warner Ave, Ste. 302
Chicago, Illinois 60613
United States

Phone +1 224 880 6536
E-mail corp@proleit.com
Internet www.proleit.com

Course # I1/L - US (only available at ProLeiT Corp./USA):

Plant Integrate iT

Basics SSIS/SSRS, Engineering with MES-CT

Content:

- Basics
 - What is MES?
 - SSIS
 - SSRS
 - Integrate iT
- What is Plant Integrate iT?
 - Installation
 - Components and structure
 - Data flow from dbldc to dbOds
 - Engineering with MES-CT using the example of Liqu iT
 - Engineering with MES-CT using the example of Batch iT
 - Database model
- Reporting
 - Plant iT reporting with SSRS
 - Plant iT reporting with QlikView
 - Plant iT web portal

Target:

Knowledge of Plant Integrate iT basic functions. Engineering a Liqu iT plant with the use of MES-CT. Creating reports with Microsoft SQL Server Reporting Services (SSRS). Creating simple Qlik dashboards.

Prerequisite:

Profound knowledge of Plant Liqu iT's recipe structure
Profound knowledge of Plant iT material
Basics of SQL Server 2014

Dates:

Trainings in English:

I: On request

Duration: 5 days

Price p. P. / Course: \$ 3,600

Location: Chicago, USA

[Registration Course # I1/L - US](#)

ProLeiT Corp.
1801 W. Warner Ave, Ste. 302
Chicago, Illinois 60613
United States

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E-mail corp@proleit.com
Internet www.proleit.com

General information

Plant iT vs. brewmaxx

The Plant iT components are marketed in the sectors of breweries and malthouses under the name brewmaxx. The systems are – except for Plant Batch iT – identical in their structure and functionality. The contents of the Plant iT trainings are therefore also suitable for users of the brewmaxx system family.

Registration/ questions:

For current training courses and online registration please visit our [website](#).
E-mail: training@proleit.com

Minimum number of participants per training:

4 participants

Accomodation:

Let us know if you need assistance with hotel reservations.

Individual trainings:

For more details concerning customized trainings – also in various languages or on-site – please contact us via e-mail: training@proleit.com

Possible topics for additional training courses...

- Plant iT trainings, based on Mitsubishi PLCs
- Trainings for previous Plant iT/brewmaxx system versions
- Customer-specific workshops

Standard location for trainings:

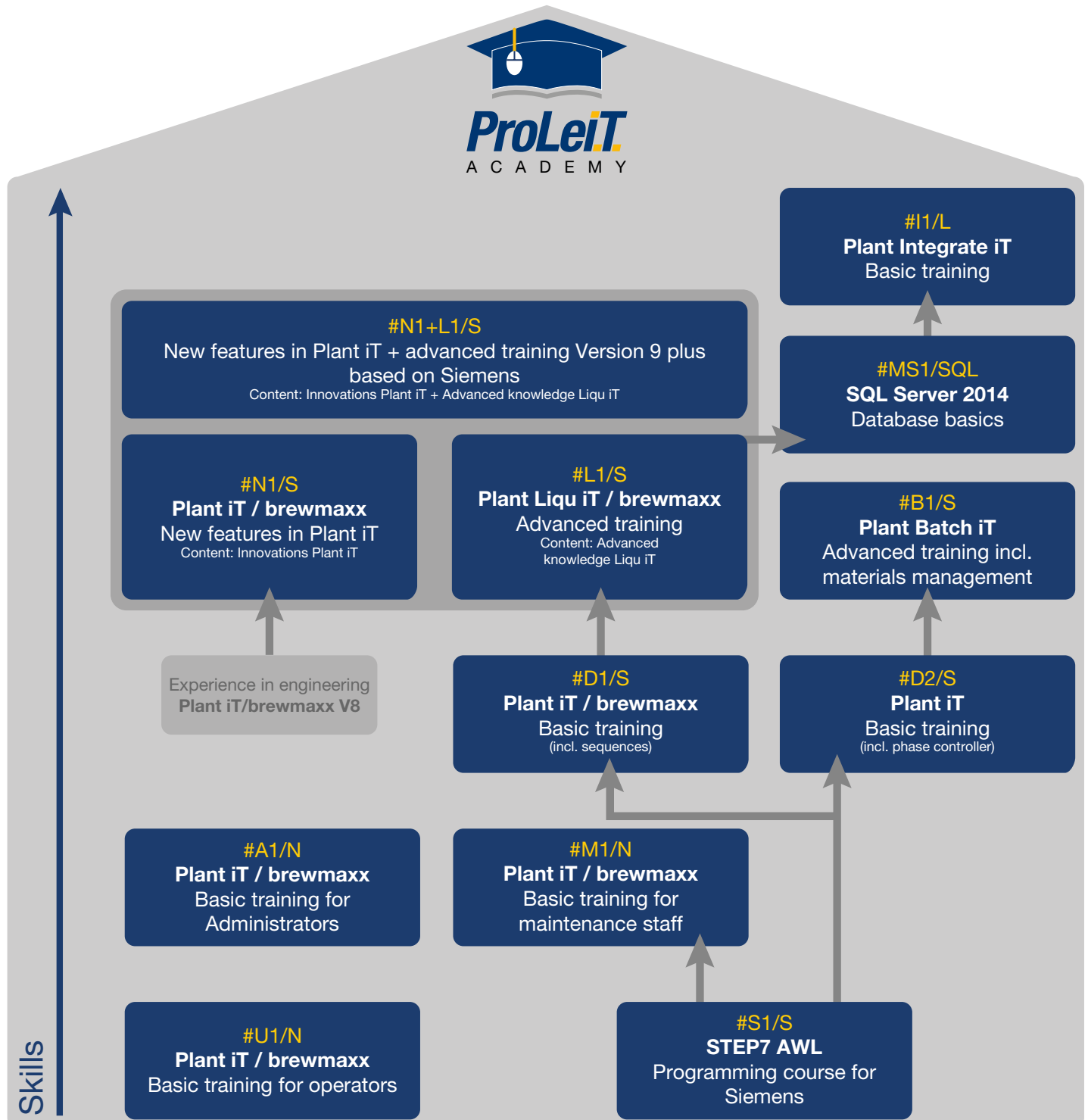
ProLeiT Corp., 1801 W. Warner Ave, Ste. 302, 60613 Chicago/IL, USA

Further information

More information on the trainings we offer, the registration and more important aspects are available under the following [link](#).

Training concept ProLeiT AG

Train iT Practice



Course # S1/S

STEP7 AWL

Programming course based on Siemens

Content:

- Principles of control technology and the SIMATIC PLC
- Block types
- Bit operations
- Digital operations
- Simple jump operations
- Time and counting functions
- Number representation in S7
- Comparison and basic arithmetic operations
- Registers
- Jumps and loops
- Word operations
- Addressing types and pointers
- Control system structures in the PLC
- Connection types

Target:

Preparation of complex control programs in AWL and comprehensive knowledge of almost all commands (90 %) of a Simatic S7 controller.

Prerequisite:

Fundamentals of digital technology and number systems.

Dates:

Trainings in German:

- I: 19/02/11 - 19/02/15 (Mo. - Fr.)
- II: 19/05/06 - 19/05/10 (Mo. - Fr.)
- III: 19/10/07 - 19/10/11 (Mo. - Fr.)

Trainings in English:

- I: On request
- II: On request
- III: On request

Duration:

5 days

Price p.P./Course:

€ 1,900

Location:

Herzogenaurach

[Registration Course # S1/S](#)

Course # D1/S

Plant iT / brewmaxx

Basic training with sequences based on Siemens

- Plant Direct iT/brewmaxx – The Process Control System
- Plant Acquis iT/brewmaxx – The Production Data Management System

Content:

- System overview and basic functions
- Operation Configuration Manager
- Message system
- Measured value recording
- Visualisation
- Parameterisation of connections RFC1006/UDP
- Automation classes (CM)
- Parameterisation and interconnection of objects (data acquisition and automation objects)
- Control matrices (OCM)
- Sequences and procedures (SEQ)
- Data evaluation and logging, administration

Target:

Independently parameterise and operate plants with Plant Direct iT/brewmaxx.

Prerequisite:

STEP7 skills, Microsoft Office (Excel) skills.

Dates:

Trainings in German:

- I: 19/02/25 - 19/03/01 (Mo. - Fr.)
- II: 19/05/20 - 19/05/24 (Mo. - Fr.)
- III: 19/10/21 - 19/10/25 (Mo. - Fr.)

Trainings in English:

- I: 19/03/25 - 19/03/29 (Mo. - Fr.)
- II: 19/07/01 - 19/07/05 (Mo. - Fr.)
- III: 19/11/04 - 19/11/08 (Mo. - Fr.)

Duration:

5 days

Price p.P./Course: € 2,300

Location:

Herzogenaurach

[Registration Course # D1/S](#)

Course # D2/S

Plant iT / brewmaxx

Basic training with phase controller based on Siemens

- Plant Direct iT – The Process Control System
- Plant Acquis iT – The Production Data Management System

Content:

- System overview and basic functions
- Operation Configuration Manager
- Message system
- Measured value recording
- Visualisation
- Parameterisation of connections RFC1006/UDP
- Automation classes (CM)
- Parameterisation and interconnection of objects (data acquisition and automation objects)
- Control matrices (OCM)
- Phase Controller (PHC)
- Data evaluation and logging, administration

Target:

Independently parameterise and operate plants with Plant Direct iT/brewmaxx.

Prerequisite:

STEP7 skills, Microsoft Office (Excel) skills.

Dates:

Trainings in German:

- I: 19/02/25 - 19/03/01 (Mo. - Fr.)
- II: 19/05/20 - 19/05/24 (Mo. - Fr.)
- III: 19/10/21 - 19/10/25 (Mo. - Fr.)

Trainings in English:

- I: 19/03/25 - 19/03/29 (Mo. - Fr.)
- II: 19/07/01 - 19/07/05 (Mo. - Fr.)
- III: 19/11/04 - 19/11/08 (Mo. - Fr.)

Duration:

5 days

Price p.P./Course: € 2,300

Location:

Herzogenaurach

[Registration Course # D2/S](#)

Course # N1+L1/S

Plant iT / brewmaxx

New features in Plant iT + advanced training Version 9 plus based on Siemens

- What's new in Plant iT?
- Plant Liqu iT/brewmaxx – Technology-oriented Recipe Control System
- Plant iT material/brewmaxx material – The Process-oriented Materials Management System

Content:

- New features in Plant iT
- Operation Manager and its functions
- Creating process screens
- Prototypes
- Rules editor
- Collective status of process areas
- Creation of graphic elements
- Possibilities of communication in V9 (UDP-connections, T-blocks)
- Installation of a second PLC, set-up of the Plant iT control system and project planning of the necessary communication channels incl. crosswise interconnections
- Process models according to ISA 88.01
- Tank and pipe communication
- Storage Unit (SU)
- Master data management
- Order list
- Materials management, batch tracking & tracing
- Communication of two sequences
- Route Equipment Module (REM)
- Reporting

Target:

To learn more about the new features of Plant iT/brewmaxx V9. For advanced programmers, who know Plant iT/brewmaxx V8 very well. Independent parameterisation of the additional functions of Plant Liqu iT/brewmaxx.

Prerequisite:

Plant iT/brewmaxx basic training with sequences, STEP7-skills, Microsoft Office (Excel) skills. T

Dates:

Trainings in German:

- I: 19/03/11 - 19/03/15 (Mo. - Fr.)
- II: 19/06/24 - 19/06/28 (Mo. - Fr.)
- III: 19/11/25 - 19/11/29 (Mo. - Fr.)

Trainings in English:

- I: 19/04/01 - 19/04/05 (Mo. - Fr.)
- II: 19/07/08 - 19/07/12 (Mo. - Fr.)
- III: 19/11/11 - 19/11/15 (Mo. - Fr.)

Duration:

5 days

Price p.P./Course:

€ 2,300

Location:

Herzogenaurach

[Registration Course # N1+L1/S](#)

Course # N1/S

Plant iT / brewmaxx

New features in Plant iT based on Siemens

- What's new in Plant iT?

Content:

- New features in Plant iT
- Operation Manager and its functions
- Creating process screens
- Prototypes
- Rules editor
- Collective status of process areas
- Creation of graphic elements
- Possibilities of communication in V9 (UDP-connections, T-blocks)
- Installation of a second PLC, set-up of the Plant iT control system and project planning of the necessary communication channels incl. crosswise interconnections

Target:

To learn more about the new features of Plant iT/brewmaxx V9. For advanced programmers, who know Plant iT/brewmaxx V8 very well.

Prerequisite:

Plant iT/brewmaxx basic training with sequences, STEP7-skills, Microsoft Office (Excel) skills.

Dates:

Trainings in German:

- I: 19/03/11 - 19/03/12 (Mo. - Tu.)
- II: 19/06/24 - 19/06/25 (Mo. - Tu.)
- III: 19/11/25 - 19/11/26 (Mo. - Tu.)

Trainings in English:

- I: 19/04/01 - 19/04/02 (Mo. - Tu.)
- II: 19/07/08 - 19/07/09 (Mo. - Tu.)
- III: 19/11/11 - 19/11/12 (Mo. - Tu.)

Duration:

2 days

Price p.P./Course: € 1,100

Location:

Herzogenaurach

[Registration Course # N1/S](#)

Course # L1/S

Plant iT / brewmaxx

Advanced training based on Siemens

- Plant Liqu iT/brewmaxx – Technology-oriented Recipe Control System
- Plant iT material/brewmaxx material – The Process-oriented Materials Management System

Content:

- Process models according to ISA 88.01
- Tank and pipe communication
- Storage Unit (SU)
- Master data management
- Order list
- Materials management, batch tracking & tracing
- Communication of two sequences
- Route Equipment Module (REM)
- Reporting

Target:

Independent parameterisation of the additional functions of Plant Liqu iT/brewmaxx.

Prerequisite:

Plant iT/brewmaxx basic training with sequences, STEP7-skills, Microsoft Office (Excel) skills.

Dates:

Trainings in German:

- I: 19/03/12 - 19/03/15 (Tu. - Fr.)
- II: 19/06/25 - 19/06/28 (Tu. - Fr.)
- III: 19/11/26 - 19/11/29 (Tu. - Fr.)

Trainings in English:

- I: 19/04/02 - 19/04/05 (Tu. - Fr.)
- II: 19/07/09 - 19/07/12 (Tu. - Fr.)
- III: 19/11/12 - 19/11/15 (Tu. - Fr.)

Duration: 4 days

Price p.P./Course: € 1,900

Location: Herzogenaurach

[Registration Course # L1/S](#)

Course # B1/S

Plant Batch iT

Advanced training including materials management based on Siemens

- Plant Batch iT – The Batch System
- Plant iT material – The Process-oriented Materials Management System

Content:

- Batch iT-project planning
- Process models in accordance with ISA 88.01
- Batch iT Manager
- Plant engineering in the Configuration Client
- Materials management, batch tracking & tracing
- Recipes, bill of materials, process specifications
- PHC interface, phase controller, OCM
- Archives and logs
- Diagnosis

Target:

Independently parameterise the additional functions of Plant Batch iT.

Prerequisite:

Plant iT basic training with Phase Controller, STEP7 skills, Microsoft Office (Excel) skills.

Dates:

Trainings in German:

- I: 19/07/15 - 19/07/19 (Mo. – Fr.)
- II: 19/12/02 - 19/12/06 (Mo. – Fr.)

Trainings in English:

- I: On request
- II: On request

Duration:

5 days

Price p. P./Course:

€ 2,300

Location:

Herzogenaurach

[Registration Course # B1/S](#)

Course # D1/R

Plant iT / brewmaxx

Basic training based on Rockwell

- Plant Direct iT/brewmaxx – The Process Control System
- Plant Acquis iT/brewmaxx – The Production Data Management System

Content:

- System overview and basic functions
- Operation Configuration Manager
- Message system
- Measured value recording
- Visualisation
- Parameterisation of connections RFC1006/UDP
- Automation classes (CM)
- Parameterisation and interconnection of objects (data acquisition and automation objects)
- Control matrices (OCM)
- Sequences and procedures (SEQ)
- Data evaluation and logging, administration

Target:

Independently parameterize and operate plants running with Plant iT/brewmaxx.

Prerequisite:

RS LOGIX 5000 skills, Microsoft Office (Excel) skills.

Dates:

Trainings in German:

I: On request

Trainings in English:

I: On request

Duration: 5 days

Price p.P./Course: € 2,300

Location: Herzogenaurach

[Registration Course # D1/R](#)

Course # A1/N

Plant iT / brewmaxx

Basic training for Administrators

Content:

- System overview
- Installation of the server
- Data protection (backup)
- Restoring a backup
- User management
- Archiving
- Database management
- Services
- Use of Plant iT event logs
- Configuration of the Plant iT Shell

Target:

Independently manage and administer plants with Plant iT / brewmaxx.

Prerequisite:

Windows Server skills, Microsoft SQL database skills.

Dates:

Trainings in German:

I: 19/01/23 - 19/01/24 (We. - Th.)

II: On request

Trainings in English:

I: 19/01/23 - 19/01/24 (We. - Th.)

II: On request

Duration:

2 days

Price p.P./Course: € 1,100

Location:

Herzogenaurach

[Registration Course # A1/N](#)

Course # M1/N

Plant iT / brewmaxx

Basic training for maintenance staff based on Siemens

Content:

- System overview
- Basic principle of automation classes
- Installation of a client
- Configuration of connections
- Diagnostic possibilities
- Troubleshooting for basic classes (recognition of feedback failures, lockings, etc.)
- Use of Plant iT eventlogs
- Reload of a PLC

Target:

Independent management of maintenance, fault detection and troubleshooting of plants running with Plant iT / brewmaxx.

Prerequisite:

STEP7 skills, Plant iT / brewmaxx operating skills.

Dates:

Trainings in German:

I: On request

Trainings in English:

I: On request

Duration:

3 days

Price p.P./Course:

€ 1,500

Location:

Herzogenaurach

[Registration Course # M1/N](#)

Course # U1/N

Plant iT / brewmaxx

Basic training for operators based on Siemens

Content:

- Overview of the process control system
- Overview of the Plant iT Shell and the Operation Manager

- Working with the Operation Manager
 - Messages and measured value recordings
 - Procedures and recipes
 - Process screens
 - Automation classes

Target:

Introduction of the basic Plant iT / brewmaxx operator functions.

Prerequisite:

Basic experience with Plant iT / brewmaxx.

Dates:

Trainings in German:

I: On request

Trainings in English:

I: On request

Duration: 3 days

Price p.P./Course: € 1,500

Location: Herzogenaurach

[Registration Course # U1/N](#)

Course # MS1/SQL

SQL Server 2014

Database basics with examples from the Plant iT database

Content:

- Basics of databases
 - Basic concepts; requirements; Entity Relationship Model (ERM)
- DDL (Data Definition Language)
 - Create/change/delete databases and tables; save/restore databases, data types and field attributes
- DML (Data Manipulation Language)
 - Queries on tables; aggregation functions; create/change/delete data sets
- Programming
 - Variables; case differentiation; conversion of data types; dynamic SQL; error handling; views; temporary tables; user-defined functions; stored procedures; cursor; trigger; transactions
- Further features
 - Agent; profiler; linked server
- Examples Plant iT (dbIdc)
 - Data organisation of the automation objects; DBCom (example: counter); FiFo User SP (lock tank); create SP to generate an order name

Target:

Understanding of MS SQL Server 2014 basic functions. Analysis and creation of queries, functions and procedures. Understanding of Management Studio and programming basic extensions in the Plant iT database.

Prerequisite:

Initial programming experience with PLCs or PC systems is advantageous.

Dates:

Trainings in German:	Trainings in English:	Duration:	5 days
I: 19/04/08 - 19/04/12 (Mo. - Fr.)	I: On request	Price p.P./Course:	€ 1,900
II: 19/10/14 - 19/10/18 (Mo. - Fr.)		Location:	Herzogenaurach

[Registration Course # MS1/SQL](#)

Course # I1/L

Plant Integrate iT

Basics SSIS/SSRS, Engineering with MES-CT

Content:

- Basics
 - What is MES?
 - SSIS
 - SSRS
 - Integrate iT
- What is Plant Integrate iT?
 - Installation
 - Components and structure
 - Data flow from dbldc to dbOds
 - Engineering with MES-CT using the example of Liqu iT
 - Engineering with MES-CT using the example of Batch iT
 - Database model
- Reporting
 - Plant iT reporting with SSRS
 - Plant iT reporting with QlikView
 - Plant iT web portal

Target:

Knowledge of Plant Integrate iT basic functions. Engineering a Liqu iT plant with the use of MES-CT. Creating reports with Microsoft SQL Server Reporting Services (SSRS). Creating simple Qlik dashboards.

Prerequisite:

Profound knowledge of Plant Liqu iT's recipe structure
Profound knowledge of Plant iT material
Basics of SQL Server 2014

Dates:

Trainings in German:

I: 19/06/03 - 19/06/07 (Mo. - Fr.)
II: 19/12/09 - 19/12/13 (Mo. - Fr.)

Trainings in English:

I: On request

Duration:

5 days

Price p.P./Course:

€ 2,300

Location:

Herzogenaurach

[Registration Course # I1/L](#)

Optional add-on: Train iT Practice

You would like to deepen your knowledge acquired in of our trainings by applying what you just learned to practical problems? In that case, we recommend our new optional add-on Train iT Practice.

You will receive online-access to our training environment
(Duration: Two weeks, immediately following the respective training.)

You will receive assignments covering the training's content.
Those can be put into practice by you using the training environment.

Get support from our tutors in the online forum.
Here you can post your queries pertaining to the exercises and receive an answer until noon of the following business day.

You would like direct support from one of our trainers?
That's no problem either. Get online support via TeamViewer (Invoicing based on time and cost, according to our service rates, or using ProLeiT Service Credits).

Target:

Independent immersion in the training's content.

Prerequisite:

Train iT Practice can be booked as an option along with each of our trainings.

Booking:

The option „Train iT Practice“ can be selected when registering for any of our courses (currently not available for ROCKWELL trainings).

Price p.P./Course: 500,00 €

General information

Plant iT vs. brewmaxx

The Plant iT components are marketed in the sectors of breweries and malthouses under the name brewmaxx. The systems are – except for Plant Batch iT – identical in their structure and functionality. The contents of the Plant iT trainings are therefore also suitable for users of the brewmaxx system family.

1 Trip – 2 Trainings

English Plant iT Basic and Advanced trainings back-to-back

We have scheduled all our english basic (D1/S and D2/S) and advanced (N1/S+L1/S) trainings to take place in two consecutive weeks.

Benefits for you as a client: Saves 50 % on travel expenses
Visa applications, hotel reservations etc. are only necessary once

Dates in 2019:
Block 1: March 25 to April 05
Block 2: July 01 to July 12
Block 3: November 04 to November 15

Registration/ questions:

For current training courses and online registration please visit our [website](#).
E-mail: training@proleit.com

Minimum number of participants per training:

4 participants

Board:

Note for Herzogenaurach: The mentioned prices include beverages and lunch.

Accommodation:

Let us know if you need assistance with hotel reservations.

Individual trainings:

For more details concerning customized trainings – also in various languages or on-site – please contact us via e-mail: training@proleit.com

Possible topics for additional training courses...

- Plant iT trainings, based on Mitsubishi PLCs
- Trainings for previous Plant iT/brewmaxx system versions
- Customer-specific workshops

Standard location for trainings:

ProLeiT AG, Einsteinstr. 8, 91074 Herzogenaurach, Germany.

Further information

More information on the trainings we offer, the registration and more important aspects are available under the following [link](#).

I. General provisions, Introduction

1. No assurance can be given with respect to any of the information in this document; technical considerations are subject to change. The software described herein is subject to the terms set forth in the licensing agreement.
2. Participation in ProLeiT AG's trainings ("ProLeiT") is exclusively subject to these General Terms and Conditions of Training unless otherwise expressly agreed upon in writing. The customer's Terms and Conditions shall not become an integral part of the arrangements, even if not expressly waived or rejected.
3. The General Terms and Conditions of Training shall apply regardless of the location of the training course or the participating entity.

II. Registration for Training, Participation

1. Registration for the training course shall be exclusively via the following media:
 - via online form in the Trainings and Support section of the website www.proleit.com
 - via email to schulungen@proleit.com
 - via fax at +49 9132 777 150

Upon receipt of the registration, ProLeiT shall confirm registration by email. Registration shall not be binding upon both Parties until confirmation. A binding registration must be completed at least 5 business days prior to the commencement date of the training course.

2. Registrations shall be processed in the order in which they are received by ProLeiT AG.
3. Participants must register by name and company of the participant. The customer may designate replacement participants at any time prior to the training course.
4. The information presented online or in other promotional materials regarding the seminars, their contents, services and prices shall be for information purposes only. Prices are subject to change. Liability for errors, misprints, and omissions shall be excluded.
5. The training course and exercises shall be designed in such manner that an attentive participant can meet the course objectives. The training shall be conducted in the form of a service agreement. ProLeiT shall not be liable for successful completion of the training. ProLeiT reserves the right to modify or adapt the contents of the training course based on technical, customer-specific or other requirements.
6. The training course handouts shall not be translated, duplicated or distributed, neither in full nor in part, without prior consent. Software provided during the course shall be neither removed from the class room nor duplicated in full or in part.

III. Cancellation of Registration

1. Prior to confirmation of the registration by ProLeiT as set forth in Section II.2, the customer may cancel its registration at any time free of charge.
2. After confirmation of the registration by ProLeiT, the registration may be cancelled by the customer up to 14 days prior to the training course. The customer shall receive a training coupon in the amount of the training which it may apply to future training courses.
3. In the event that the customer cancels less than 14 days prior to the training course or does not participate in the training course, ProLeiT shall be entitled to charge the full price of the training course.
4. Refunds of the training fees after (partially) completing the training course shall be excluded.

5. ProLeiT reserves the right to change the contents of the training courses based on the most recent trends without the participants being entitled to cancel their slot.

VI. Fee, Due Date

1. Training fees shall be based on the prices officially applicable to the training course as listed on ProLeiT's homepage at the time of registration.
2. The prices indicated shall be net of statutory sales tax.
3. The training fees shall include participation in the course, use of technical equipment provided for the purpose of the training, as well as the handouts. The participants' travel and accommodation expenses shall not be included in the fee. Training course handouts shall neither be duplicated, processed nor publicly displayed without the prior written consent by ProLeiT AG.
4. Invoices shall be due payable net and prior to the training course; the respective amounts shall be paid by wire transfer to the bank account designated by ProLeiT. Participants shall not be entitled to participants unless their fee is paid in full.
5. The customer may set off only those claims that are undisputed or against which no legal recourse is permitted. The customer shall not assign any claims to third parties, not even within its group.
6. In the event of default, ProLeiT shall have the right to charge penalties in the statutory amounts or, in its sole discretion, at rates applicable to unauthorized bank overdrafts as of the due date. This serves the purpose of ensuring that ProLeit does not suffer any adverse effects from such default.

V. Reasons for Exclusion

1. Participants shall comply with the instructor's instructions. ProLeiT may exclude any participant from the training course without refund of the respective fees when and if a participant acts in such manner that the achievement of the course objectives by other participants suffers sustainable adverse effects.
2. In the event that a participant is removed from the training by ProLeiT as per Section V.1, reimbursement of any travel costs or other expenses incurred by the participant in respect to the participation in the training course shall be excluded.
3. The participant must meet the requirements for the respective training course. In the event that the participant does not meet the requirements, he or she shall be excluded from training. The training fee shall be due payable regardless. The customer shall not be entitled to damages for the exclusion from training when and if the requirements for the participation are not met.

VI. Cancellation of Training

1. ProLeiT reserves the right to cancel the training course, even at short notice, for reasons beyond ProLeiT's control, e.g., events of force majeure such as the instructor falling ill or the minimum number of participants not being met.
2. In such case, ProLeiT AG shall notify the customer about the cancellation without any delay upon becoming aware of the circumstances for the cancellation and present an alternative date.
3. In the event that the customer is not able to participate at such date, ProLeiT shall refund the customer any training course fees already paid.
4. Any refund of expenses for travel arrangements, rebooking and cancellation or other expenses incurred as a result of the cancellation shall be excluded.

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VII. Third-Party Rights

1. In the event that a third party brings forward claims against the customer for the violation of its rights, ProLeiT shall indemnify the customer against any and all resulting legally assessed claims for damages, including court fees and fees for out-of-court settlement and the legal defense fees reimbursable under the provisions set forth in the German Zivilprozessordnung [Code of Civil Procedure]. The customer shall not pursue any legal or out-of-court proceedings to resolve disputes with any third parties without discussing the matter at hand with and the prior consent of ProLeiT.
2. The customer's rights pursuant to Section VII.1 shall be subject to the customer (i) notifying ProLeiT without any delay about such third-party claims; (ii) providing ProLeiT, without any delay upon receipt, any copies of any communication with the claimant and courts related thereto; (iii) providing ProLeiT with any information necessary or required for the defense against such claims; and (iv) agreeing that the exclusive right to control the customer's activities throughout the proceedings, as well as the right to make final discretionary decisions regarding any court or out-of-court settlements remains with ProLeiT.
3. In the event that the customer (i) is legally required by court decision to or (ii) is furnished with an injunction for ceasing to use the training course material or (iii) is deemed, in ProLeiT's opinion, to become subject to a claim for the violation of third-party rights as a result of such use, ProLeiT shall, in its sole discretion, either reinstate the customer's right to continue to use such materials or replace or modify the training course materials in such manner that remedies such violation of legal provisions or regulations.

VIII. Liability

1. ProLeiT shall assume liability in accordance with the legal regulations for damages to persons, for damages within the meaning of the German Produkthaftungsgesetz [Product Liability Law], damages resulting from willful misconduct or intent on ProLeiT's part, as well as damages resulting from gross negligence by the legal representatives or executives of ProLeiT. The customer shall be responsible to provide substantiating evidence of such damages.
2. Notwithstanding any liability under Section VIII.1, ProLeiT shall be liable for damages only in the amount of common contractual, foreseeable damages resulting from the negligent breach of any contractual or essential obligations, as well as damages resulting from gross negligent conduct on the part of ProLeiT's agent. Essential obligations are obligations the fulfilment of which is the prerequisite for the execution of the agreement and the fulfilment of which the customer can rely upon. With regard to the liability under this Section VIII.2, the Parties agree—taking into account the type of scope of the services to be rendered hereunder—on a maximum liability per event in the amount of 2,000.00 EUR (no more than 4,000.00 EUR per calendar year). Any liability of ProLeiT beyond said amount shall be excluded unless otherwise expressly agreed upon in these General Terms and Conditions.
3. Any customer liability shall be taken into account.
4. The above limitation of the liability shall also apply to the personal liability of the employees, agents and managing bodies of ProLeiT. The above provisions shall also apply to ProLeiT's liability with regard to the reimbursement for any alleged expenses or indemnification obligations.

5. Claims for losses of profits, expenses saved, resulting from third-party claims for damages, as well as any other direct damages or subsequent damages shall be excluded.
6. The customer shall be liable in full to ProLeiT for any damage of training computers and loss of data resulting from the unauthorized use of software brought to the training course. The participants shall be liable for damages incurred by ProLeiT in the event of unauthorized disclosure of handouts/training course data carriers.

IX. Confidentiality

1. The customer shall keep confidential and not disclose to any third party any information and other materials marked as "confidential" by ProLeiT or otherwise deemed confidential (hereinafter referred to as "Confidential Information"). In order to protect any Confidential Information, the customer shall handle such Confidential Information with the same (reasonable and due) diligence and care it would handle them if it were its confidential information of similar significance.
2. Confidentiality within the meaning of Section IX.1 shall not apply to Confidential Information (a) in the customer's rightful and legal possession prior to ProLeiT providing such Confidential Information; (b) being or becoming available to the public without any violation on the customer's part; (c) legally obtained by the customer from third parties without the requirement to keep such information confidential; (d) disclosed to third parties by ProLeiT without the requirement to keep such information confidential; (e) produced by the customer itself; (f) required to be disclosed under applicable laws; or (g) disclosed by the customer with the prior written consent by ProLeiT.

X. Other Provisions

1. The Parties agree that each Party is responsible for complying with the import and export regulations and restrictions applicable to their individual circumstances. Any and all services by ProLeiT shall be subject to the fact that there are no restrictions imposed by domestic or foreign export surveillance and inspection regulations or restrictions, in particular embargos or other sanctions that prevent ProLeiT from meeting its obligations. ProLeiT shall have the right to terminate the agreement for cause when and if such termination is required in order for ProLeiT to comply with the applicable national and international laws. In the event the agreement is cancelled, the customer shall not have the right to claim damages or other rights resulting from the termination.
2. If individual provisions of these General Terms and Conditions shall, in part of as a whole, be or become void or invalid, the remaining provisions herein shall not be affected. The void or invalid provision shall be replaced by the corresponding legal provisions by operation of law. The same shall apply in the event of any unforeseen omissions in these General Terms and Conditions.
3. The customer and ProLeiT shall undertake to first resolve any disputes or complaints by mutual agreement.
4. The GTC shall be governed by the laws of the Federal Republic of Germany, excluding U.N. Convention of Contracts for the International Sale of Goods. Exclusive jurisdiction shall be the ProLeiT's corporate headquarters in Herzogenaurach.

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