# OPC UA Workshops

## Introduction in the technology and how it works

### Introduction to OPC UA
Learn the basic concepts of OPC UA

**Days:** 1
**Language:** English, German

**Public**
**Cost: EUR 995.-**

**Confidential:**
**Cost: EUR 2000.-**

### OPC UA Development
Learn the concepts of OPC UA technology, security model and information model.

**Days:** 3
**Language:** English, German

**Public**
**Cost: EUR 2995.-**

**Confidential:**
**Cost: EUR 6000.-**

Costs for public workshops are per participant.

Costs for confidential workshops includes 4 participants if they are from the same company and location.

OPC Unified Architecture (UA) is the industry standard technology for communication of process values and events for Automation, Industrial Internet, Industry 4.0 and Internet of Things. It connects devices, machines and systems from different manufacturers using the same interface. OPC UA server adds remarkable amount of value for device, machine or system, as it reduces any integration or application software development costs. Similarly OPC UA clients made for one OPC UA server can be connected to any other OPC UA server without time consuming customization.

OPC Unified Architecture (UA) supports various plattforms and removes the limitations of the Classic OPC Interfaces, wheras solutions for several new application areas are now possible. The German initiative Industrie 4.0 is recommending OPC UA as the communication layer of the **R**eference **A**rchitecture **M**odel **I**ndustrie **4.0** (RAMI4.0).

Technosoftware offers different types of trainings, starting with two hours Webinars, One Day Remote Trainings as well as On-Site training for companies looking to train groups of employees in the OPC Technology while minimizing costs.

Whether you need to implement an OPC Server or OPC Client or just need to integrate OPC technology in your projects - Technosoftware GmbH can offer a customized training package. Whether you are an automation professional, IT personnel, integrator, engineer, operator ore just someone who is responsible for data connectivity within process control and manufacturing, Technosoftware GmbH delivers the right training package, from beginner to advanced group training.

**Public Workshops:** We offer our Workshops at specific dates and times. The workshops can be booked via our web site and allows people from different companies and locations to participate. Each participant needs to book a workshop at a specific date/time. After receiving payment instructions on how to access the workshop is send to all participants. Costs are per participants.

**Confidential Workshops:** Unlike public workshops where participants can't talk about confidential projects, confidential workshops enables groups to open up and dive into the details of current problems and upcoming projects. The confidential atmosphere significantly increases the value participants receive from confidential webinars. Confidential workshops can be booked via our web site. Date and Time can be arranged before or after booking of the workshop. Costs includes up to 4 participants if they are from the same company and location.

For more information on any of our products or services please visit us on the Web at:
https://technosoftware.com

**Technosoftware GmbH**

Windleweg 3
5235 Rüfenach, AG
Switzerland
Phone +41 79 600 40 55
Email sales@technosoftware.com

# TECHNO software
*Innovative Software Solutions in it's Simplicity*

## Introduction to OPC UA Contents
Introduction in the technology and how it works

Migration from OPC Classic to OPC UA

## OPC UA Development Contents
Introduction in the technology and how it works

- UA Stack
- Connections
- Nodes & Browsing
- Data Types
- Subscriptions
- Profiles,Services,Views

OPC UA Administration

Configuration, Commissioning and Troubleshooting

Client & Server Development with C# (.NET 4.6.1, .NET Standard)

**Included:**
Access to the Workshop

OPC UA Workshop Manual as PDF

**Schedule:**
Visit our web site

## Solutions and Services from Technosoftware GmbH

### Where to Start?
You are new to OPC UA and want to get more information on how it fits into your project? We can help you understand this communication technology. Get in contact with us via Email or Phone and ask for a short presentation.

### Training
Whether you need to implement an OPC Server or OPC Client or just need to integrate OPC technology in your projects – Technosoftware GmbH can offer a customized training package.
Whether you are an automation professional, IT personnel, integrator, engineer, operator ore just someone who is responsible for data connectivity within process control and manufacturing, Technosoftware GmbH delivers the right training package, from beginner to advance group training.

### Consulting
Whether Design or development of an OPC server or Client, integration of the OPC technology into existing systems or the execution of customized training courses – Technosoftware GmbH supports you individually within all ranges of the OPC technology. Technosoftware GmbH is currently using .NET C# or VB.NET, C/C++ and Java for OPC UA development. Main platforms are Windows and Linux.

### Why Technosoftware GmbH?
*Professionalism*
Technosoftware GmbH is, measured by the number of employees, truly not a big company. However when it comes to flexibility, service quality, and adherence to schedules and reliability, we are surely a great company which can compete against the so called leaders in the industry. And this is THE crucial point for our customers.
*High Quality of Work*
We reach this by a small, competent and dynamic team of coworkers, which apart from the satisfaction of the customer; take care of a high quality of work. We concern the steps necessary for it together with consideration of the customers' requirements.
*Continuous progress*
Lifelong learning and continuing education is, especially in the information technology, essential for future success. Concerning our customers, we will constantly accepting new challenges and exceeding their requirements again and again. We will continue to do everything to fulfill the needs of our customers and to meet our own standards.

For more information on any of our products or services please visit us on the Web at:
https://technosoftware.com

**Technosoftware GmbH**

Windleweg 3
5235 Rüfenach, AG
Switzerland
Phone  +41 79 600 40 55
Email   sales@technosoftware.com