



# Introduction to OPC

*“IO-OPC-001” (1 day)*

## What is this course about?

This course covers the technological fundamentals of the various OPC specifications and explains them in detail. The major specifications of OPC including Data Access (DA), Historical Data Access (HDA) and Alarms & Events (A&E) are covered in details. Other specifications such as OPC-XML and OPC-DX (Data eXchange) are also presented on a sufficiently detailed level.

This course includes:

- An overview of OPC technology (concept, significance)
- A comparison between OPC and existing solutions (proprietary drivers, DDE-Servers) and an explanation on how to improve system reliability using standards-based technology
- A presentation of the technological principles (COM/DCOM, etc.)
- A presentation of current specifications (OPC Data Access, OPC Historical Data Access, OPC Alarm & Events, OPC XML Data Access, OPC Data Exchange)
- An identification of OPC benefits and how OPC can be used to build efficient and flexible systems

## Who should attend?

This course is primarily designed for OPC products implementers. However, project managers, communications engineers, manufacturing engineers, business systems engineers and advanced technologists are recommended to participate. We strongly encourage everyone to take both “IO-OPC-01” and “IO-OPC-02”.

## What are the prerequisites to this course?

None

