



### Objectives

This training course is designed for engineers who come into contact with OPC via projects and who need a practical view on the subject. As well as OPC basics, the course will cover specific Yokogawa products such as EXAOPC, CS1000, CS3000, FAST/TOOLS, SIOS, GSGW etc.

### Who should attend?

CS1000/CS3000/FastTools engineers and technicians who need to understand the OPC principle.

### Prerequisite knowledge

Participants will require a basic understanding of Yokogawa's system architectures.

### Programme

#### Main topics:

- § Introduction to OPC terminology
- § Client/server principle
- § OPC data access/OPC alarm and event
- § COM/DCOM configuration and behaviour
- § OPC in different Yokogawa products
- § OPC troubleshooting and tools
- § OPC and Yokogawa systems (dependency)
- § OPC server/OPC server communication
- § Supplier DCOM bypasses (e.g. tunnelling from Matrikon)
- § Network security and login facilities

#### Day 1:

- § Introduction to the different OPC servers (DA, A&E, HDA)
- § OPC server versions
- § Yokogawa products (EXAOPC server, HIS OPC server, EXAOPC RD, GSGW client, SIOS client)
- § MULCOM with EXAOPC or MULCOM\_OP
- § FAST/TOOLS OPC server/client
- § Exercises (installing products, making necessary settings)

#### Day 2:

- § COM and DCOM setting in relation to client/server connectivity and security (e.g. firewalls)
- § Troubleshooting and tools (e.g. XML alternative)
- § Demonstration products
- § Exercises

### Duration

2 days