

# RTU500 series IEC61850 Client & Server

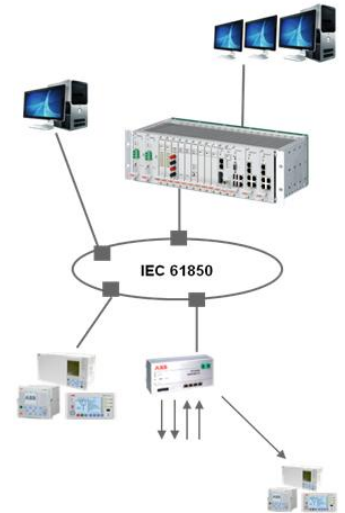
## Course goal

The goal of this course is to learn how to utilize RTU500 series in IEC61850 networks. The course includes not only engineering procedure for configuring RTU500 as client or server in IEC61850 networks but also diagnosing & commissioning skills.

## Learning objectives

Upon completion of this course the participants should be able to:

- Understand different roles of RTU in IEC61850 networks
- Use RTU as IEC61850 client (gateway) and server (IED proxy) in network
- Exchange horizontal data between RTU & other network components
- Understand the substation configuration description and handle the RTU part
- Use IEC61850 standard engineering & diagnosing tools



## Participant profile

This training is targeted towards system integrators who already know the RTU500 series and would like to improve their RTU engineering skills in order to use RTU500 in IEC61850 networks.

## Prerequisite

Participants should know the RUT500 product family and be able to do RTU configuration for typical applications using RTUtil500 & Excel engineering interface.

Participation in course "RTU500 portfolio & engineering" fulfils the above requirements.

In addition to that, basic knowledge of standard protocol IEC 61850 is a must.

## Topics

- IEC61850 standard overview & implementation in RTU
- RTU500 engineering workflow as IEC61850 client & server
- Creating & analyzing SCD files
- GOOSE configuration
- Standard engineering & commissioning tools from ABB (i.e. IET600, ITT600)

## Course duration

5 days