

Goal

The main goal of this training is to offer a good comprehension of the main mechanisms of G3-PLC technology and its integration into a G3-PLC based system. It also covers G3-PLC security and shows some generic principles of PLC technologies.

This training duration is 1.5 days.

One training session may accept up to 10 attendees.

Training content

The training is organized in two parts :

G3-PLC Overview and theoretical basis (~2-3h)

■ Overview of G3-PLC

- G3-PLC features
- G3-PLC communication stack

■ Theoretical basis

- PLC principle
- Communication stack principle
- Description of the generic communication mechanisms

G3-PLC communication protocol (~7-8h)

■ Overview

- Layer-by-layer G3-PLC communication stack

■ Physical layer

- Main principles
- Mechanisms description

■ MAC layer

- Main principles
- Mechanisms description

■ Adaptation layer

- Main principles
- Mechanisms description

■ IPv6 and UDP layers

- Main principles

■ G3-PLC security

- Reminder regarding communication protocol security
- Choice and implementation in G3-PLC

■ Hybrid PLC&RF feature

- Main principles
- Mechanisms description

Contact us

For further information about this training, please contact: olivier.genest@trialog.com