G3-PLC Training

Overview of G3-PLC technology

TRIALOG

Founding Member of **G3-PLC** Alliance

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

Contact us

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