# System Awareness (Long version)

After taking this course, participants will have a good understanding of Yokogawa's portfolio in the Industrial Automation & Control area.

**Who should attend?** Everyone that is interested in Yokogawa Industrial Automation

**Prerequisite knowledge** No specific prerequisite is required.

**Program** **Day 1:**
- Introduction of Centum VP system architecture
- General aspects like (short) naming, abbreviations, numbering system etc.
- Field Control Station (FCS) and used redundancy principle (Pair and spare)
- Related mechanical construction in a cubicle. (Extension bus)
- Used type of Input and Output modules (IOM)
- Control Network (VnetIP) principle and characteristics
- Human Interface Station (HIS)
- Engineering station (ENG) based on Centum VP System View
- Plant Resource Manager (PRM)
- Unified Gateway Station (UGS)
- ExaOPC Server
- Hands-on for operation (HIS) and engineering (ENG)

**Day 2:**
- Safety Control Station xxx
- Engineering station (SENG) based on Workbench
- ExaQuantum
- Remote monitoring
- Advanced Process Control (APC)
- Security solution
- FAST/TOOLS and Stardom
- Hands-on for safety related program with HIS integration

**More information** This workshop is held in our training facility in YEF-NL Amersfoort. The training language is English or Dutch depending on the audience and trainer. For more information or would you like to sign-up for this training please sent your request to training@nl.yokogawa.com.