

Foundation Fieldbus Engineering

This course covers the configuration and general setup procedures for Foundation Fieldbus, using tools provided by Yokogawa. Participants will learn how to use the Yokogawa, CENTUM VP, configuration tools and learn about the Foundation Fieldbus standard, its issues and functionality. The course includes hands-on workshops and exercises, using Yokogawa and industry standard instrumentation, Yokogawa PRM.

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| Who should attend? | Instrument technicians and engineers involved in the design, installation and operation of Foundation Fieldbus networks. |
| Prerequisite knowledge | Participants should have an understanding of CENTUM VP Engineering and instrumentation. |
| Program | <p>Day 1:</p> <ul style="list-style-type: none"> • The Fieldbus Foundation • Fieldbus fundamentals and functionalities • Device description files and capability files • Naming convention • Hardware setup • Cable considerations, Power Supplies, Barriers • Workshop: Configuration <p>Day 2:</p> <ul style="list-style-type: none"> • Introduction: engineering workflow • Software design • Software generation • Exercises/workshop <p>Day 3:</p> <ul style="list-style-type: none"> • Setup • Connecting: Yokogawa and non-Yokogawa Transmitters • Hardware design • Internal test & FAT • Exercise: Segment start-up |

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Day 4:

- Troubleshooting
- Setting up an ALF111 card
- Segment design and configuration
- Foundation Fieldbus function blocks and typicals
- CD File creation, download and copy
- Hardware connectivity

Day 5:

- Active, passive, intrinsically safe equipment, redundancy
- Preparation of field devices
- Tag name, address, device class, device ID
- Integration of field devices with host
- Host system operation
- Exercises

More information

This training is held online or in a Yokogawa training facility (e.g. 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.