



**Excellence in
Training and
Application.**

Advanced Plant Automation Course.

Monday.

Reception at training center

- Introduction in organization / formalities
- Bühler factory visit, including research centers

Control Units and Systems

- Standard control units, scales, moisture control systems

Tuesday.

Control Units and Systems

- Roller mill control, online NIR measuring, yield control

Service and Maintenance

- Products and options in service and maintenance

Automation Overview, Field Installation Technology

- Decentral peripheries (WAGO IO-System)
- Installation technologies (ASi – Bus System)

Automation Concept

- Plant control system overview, concepts and solutions

Social Event in the evening

Wednesday.

PLC Systems

- System overview and concepts with S7-400 and TIA 1500
- System components, handling, functions
- Configuration with decentral bus systems (Profibus, ASi, etc.)
- Trouble shooting in hardware and configuration

Plant Control Systems / WinCoS / PLC

- System installation and maintenance
- Test and analysis functions
- Backup strategy, remote support / remote operating
- Simulation and troubleshooting
- Event logger, alarm management, system options

Advanced Plant Automation Course.

Thursday.

Operating / Production

- Plant operating, Production planning
- Options and additional functionality on control systems
- Tricks and Traps

Visit to a Flour Mill

Friday.

Installation, Documentation

- Process diagram / electric concept / electric schema
- Maintenance, spare parts on Automation Level
- Troubleshooting on automation level (Mill training center)

Remarks.

We reserve the right to adjust the schedule for organizational reasons.

Working hours.

08.00 – 09.30 / 10.00 – 12.00
13.15 – 15.00 / 15.15 – 17.00