



Training Course

Advanced Training Course

Advanced Ips



Number of days: 4

Subjects:

- Refresh basic training
- Advanced design
- Customer specific options
- Advanced processes
- Advanced HMI operations
- Communication (E-plan)
- Safety
- Practice: maintenance
- Practice: fault finding
- Exam

Course material:

- Hand-outs
- Used technical papers
- USB
- Certificate

This training is intended to engineers and experts and additional to the basic training. It is about the operations for an engineer.

Main subjects are:

- Advanced design
- Advanced processes
- Operations / advanced HMI
- Maintenance
- Fault finding / alarm handling

This training is a partly classroom and partly practicing at the machine.

With this training the participants understands how to approach the fault finding and maintenance of the machine in a detailed level.

Which will also be validated by a final examination.

Related training courses

Introduction training IPS: 1 day

Basic training IPS: 4 days

Max. 6 participants, on site, in total the machine needs to be 12 hours out of production, training language: English, interpreter needed for local languages

Starting level participants: Certificate of the basic training IPS



- **Refresh basic training (4 hours)**

Sensing the level of the participants. With the basic training IPS we have a good foundation to go on with the advanced part. Subjects are: basic design, basic processes and basic operations / HMI.



- **Advanced design (4 hours)**

After dealing with this subject, the participant understands how the machine operates its individual control modules and also how a device itself works with all elements in it. For that we use technical documentation with specifications of that part including possible faults, alarms, calibration, etc.



- **Customer Specific options (1 hour)**

Additionally at advanced design some customers specify options i.e. Deaerator, DHS-system, Ice water cooler, etc.



- **Advanced processes (4 hours)**

After dealing with this subject, the treatment of the product and the processes of the machine are understood. At phase and step level.



- **Advanced HMI operations (2 hours)**

Theory and practise. After dealing with this topic, the engineer can operate the machine in the correct way. He understands why, where and exactly how he can change the settings of the machine.



- **Communication (E-plan) (2 hours)**

The electrical plan (E-Plan) is used by fault-finding. This part is done by a lot of cases for solving problems with the communication of the machine.



- **Maintenance practice (6 hours) (machine off!)**

The participants have to do tasks (in the form of work instructions) they need to do this to keep the machine in a good state, preventive maintenance. I.e. check the oil (for presence of water), clean filters, check the V-beld of the homogeniser, etc.



- **Fault finding practice (6 hours) (machine off!)**

After this practice the participant learns how to approach complex faults in the machine. All theory should come together in this part of the training. The participant should fully understand the design and process of the machine to solve any faults. This part has a classroom and a practical part to it.



- **Exam and evaluation (2 hours)**

The participants have to prove that they fully understand the machine. By passing the exam they get a certificate. During the evaluation there is some time to discuss the following-up.