

# BioPAT® MFCS 4 User Training



This training covers the basics to get started with the new SCADA software BioPAT® MFCS 4. During the first part you will learn to use the software for your daily work with focus on reliable data acquisition and the use of advanced capabilities to facilitate visualization and comparison of live and historical process data. During the training you will add and visualize offline process data and it will be demonstrated how to access non-directly measurable quantities to gain more insight into your process. The aim of the second part of the training is to convey configuration and use of ISA-88 compliant recipes to implement sophisticated event based automation for reproducible processes. The concept of operations, phases and conditions will be explained in detail to let you make use of recipe automation in the most effective way. Notebooks will be provided for hands on training.

Topics included:

## Getting started with BioPAT® MFCS 4

- Configuration of devices and units
- Process data acquisition and visualization
- Creation of new variables, online and offline calculations
- Visualization of calculated values and offline variables
- Charting of live and historical data
- Introduction into process automation with the Recipe Control Module
- Creation and modification of ISA-88 compliant recipes
- Operations and Phases
- Branches and conditions
- Event and time-based transitions
- Execution of recipe controlled batch processes

Extensive documentation is available. The training is held in English language.

Answering questions from participants may exceed the announced content of the training. The time of training is limited in principle to 8 hours, may vary however depending on learning speed and additional questions.

A certificate is handed out to each participant.

