

# Basic Training

## Module 1: Basics

### Introduction to gas engine technologies

- General interaction between gas and engine
- Gas types/production
- Biogas plants
- Combined heat and power plant (CHP)
- Internal combustion engine
- Demands on the gas train

### Introduction to the MOTORTECH Product Range

- Basic knowledge of the MOTORTECH MIC ignition control technology
- Getting to know the MOTORTECH product range
  - Ignition systems
  - Engine modifications
  - Ignition coils
  - Spark plug leads
  - Spark plugs
  - Ignition rails and wiring
- Tools and test equipment with practical application
  - Ignition coil tester
  - SparkView
  - Spark plug cleaning kit
  - Timing light

✓ **Inclusive:** Training materials, lunch snack, hot and cold beverages

🕒 **Duration:** 1 day (8:30 a.m. – 4:30 p.m.)

€ **Price:** 220,00 € per participant

## Product Specific Trainings

### Module 2: MIC Ignition Controllers and DetCon Detonation Control System

#### MIC Ignition Controllers:

- MIC3/MIC3+/MIC4/MIC5 with MOST technology
- Set up and function
- MICT programming software with application examples
- Practical product training on engine simulator
- PowerView3 – engine data visualization

#### DetCon20 – Detonation Control System:

- Set up and function
- Interaction and integration

- ✓ **Inclusive:** Training materials, lunch snack, hot and cold beverages
- 🕒 **Duration:** 2 days (8:30 a.m. – 4:30 p.m. each)
- € **Price:** 440,00 € per participant



If possible, participants should bring a laptop for the practical exercises.

### Module 3: Mixture Control

#### VariFuel2 – Air/Gas Mixer with VariStep and VariStep3

- Set up and function
- MICT programming software
- Zero adjustment and belt tension
- Gas train requirements

#### ITB – Integrated Throttle Body with VariStep, VariStep3 and SC100

- Set up and function
- Interaction and integration

#### Mixture Control in the compound of components using the example of EmCon5

- Mode of action and function
- Interaction and integration
- WinScope software with application examples

- ✓ **Inclusive:** Training materials, lunch snack, hot and cold beverages
- 🕒 **Duration:** 1 day (8:30 a.m. – 4:30 p.m.)
- € **Price:** 220,00 € per participant



If possible, participants should bring a laptop for the practical exercises.

## Product Specific Trainings

### Module 4: ALL-IN-ONE CHP Control for Beginners

#### AIO Entry-Level Training

- Basic information for operators and technicians
- Set up and function of the AIO.GAS and AIO.NTC controls
- New features of the AIO.NTC Base Box, introduction to new products
- IntelliMonitor/GenConfig user software

✓ **Inclusive:** Training materials, lunch snack, hot and cold beverages

🕒 **Duration:** ¾ day (8:30 a.m. – 1:30 p.m.)

€ **Price:** 160 € per participant



If possible, participants should bring a laptop for the practical exercises.

### Module 5: Basic ALL-IN-ONE CHP Control

#### AIO Basic Training

- Set up and function of the AIO.GAS and AIO.NTC controls
- New features of the AIO.GAS Base Box, introduction to new products
- IntelliMonitor/GenConfig user software
- AFR control/introduction to the current software
- Basics – Elementary program (SPI, SPTM)
- Basics – Power management MINT applications
- Basics – Screen editor 12" display & 18" display
- Basics – Possibilities of communication

✓ **Inclusive:** Training materials, lunch snack, hot and cold beverages

🕒 **Duration:** 2 days (8:30 a.m. – 4:30 p.m. each)

€ **Price:** 440,00 € per participant



If possible, participants should bring a laptop for the practical exercises.

## Product Specific Trainings

### Module 6: Advanced ALL-IN-ONE CHP Control

#### AIO Training for Advanced Users

- Advanced basics (SPI/SPTM)
- Advanced power management (MINT)
- Advanced Screen Editor 12" & 18" display
  - Stand-alone operation
  - Load management
  - MCB, MGCB, GCB
  - Virtual connections
  - IntelliMains in the network

- ✓ **Inclusive:** Training materials, lunch snack, hot and cold beverages
- 🕒 **Duration:** 2 days (8:30 a.m. – 4:30 p.m. each)
- € **Price:** 440,00 € per participant



Prerequisite for participation is the successful completion of module 5!



If possible, participants should bring a laptop for the practical exercises.

### Module 7: Status Training

#### Key Topics Status Training

- Supplements/changes to products that have been published in the meantime via Sales & Service Bulletin
- Technical presentation of new products that may have come onto the market in the meantime
- Supplements/changes to the modules which may have occurred in the meantime due to renewals
- Final test to achieve the gold status from the main topics modules 2, 3, 5 and 6

- ✓ **Inclusive:** Training materials, lunch snack, hot and cold beverages
- 🕒 **Duration:** 2 days (8:30 a.m. – 4:30 p.m. each)
- € **Price:** 440,00 € per participant



Prerequisite is already achieved silver status!

Valid for 1 year.