

# 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
  - 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

Participants should bring a laptop if possible for use during the practical exercises.

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

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

**Price:** 440,00 € per participant

### Module 3: Mixture and Speed Control

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

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

#### ■ EmCon5 – Emission Control for lean burn Engines

- Set up and operation
- Interaction and integration
- WinScope software with application examples

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

- Set up and function
- Interaction and integration

Participants should bring a laptop if possible for use during the practical exercises.

**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 4: ALL-IN-ONE CHP Control for Beginners

#### ■ AIO Entry-Level Training

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

Participants should bring a laptop if possible for use during the practical exercises.

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

**Duration:**  $\frac{3}{4}$  days (8:30 a.m. – 1:30 p.m.)

**Price:** 160 € per participant

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

#### ■ AIO Basic Training

- Set up and function of the NT and NTC controls
- New features of the NTC 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 8" display & 17" display
- Basics – possibilities of communication

Participants should bring a laptop if possible for use during the practical exercises.

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

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

**Price:** 440,00 € per participant

## 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 8" & 17" display
  - Stand-alone operation
  - Load management
  - MCB, MGCB, GCB
  - Virtual connections
  - IntelliMains in the network

Prerequisite for participation is the successful completion of module 5!

Participants should bring a laptop if possible for use during the practical exercises.

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

**Dauer:** 2 days (8:30 a.m. – 4:30 p.m.)

**Preis:** 440,00 € per participant