

## ■ Technical Training

# Module 1

## Introduction to Gas Engine Technologies and to the MOTORTECH Product World



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A biogas plant produces biogas through fermentation of biomass. The gas produced in this process is usually used to power internal combustion engines in the power/heat generation industry. It is these engines for which MOTORTECH produces system components in order to improve their running performance and efficiency. The interaction of various gas types with the individual engine components is the subject of the first session in the MOTORTECH technical training series.

### Main Topics Introduction to Gas Engine Technologies

- General interaction between gas and engine as a propulsation fuel
- Gas quality
- Gas types and gas production
- Gas treatment
- Demands on the gas train

### Main Topics Introduction to the MOTORTECH Product Range

- Basic knowledge of the MOTORTECH MIC500 ignition control technology
  - Triggering / pickup
  - MIC500 – MIC4 differences
- Getting to know the MOTORTECH product range
  - Ignition systems / AlphaRail wiring rails
  - Engine modifications
  - Ignition coils
  - Spark plug leads
  - Spark plugs
  - Tools and test equipment with practical application

### 👥 Target Group

This course is geared towards technicians **without knowledge of gas engines**, project managers and CHP operators who would like to gain a better understanding of the technical conditions in gas engine technology.

Our experienced trainers are qualified service technicians who have thorough knowledge about the regular use of the components and provide support on-site on a daily basis.

### 📋 Objective

The goal of this training session is for participants to acquire basic knowledge of gas engines and their applications.

Additionally, participants will receive an introduction to the basics of the MOTORTECH MIC ignition control technology and the MOTORTECH product range.



### Presence Training

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

### MOTORTECH Service

- ☎ Telephone: +49 5141 93 99 220
- @ E-Mail: [training@motortech.de](mailto:training@motortech.de)

### Online Training

- 🕒 Duration: 1 day (8:30 a.m.–3:30 p.m.)
- € Price: 170,00 € per participant (includes training materials)