



# Technical Training – Module 3

## Mixture and Speed Control

In many countries, alternative fuels such as biogas have become an important way to produce electricity through the use of gas engines. Due to constantly changing gas quality or fluctuating BTU levels, the demand has risen for advanced methods to control mixtures.

### MAIN TOPICS VARIFUEL2, VARISTEP AND VARISTEP3

- › Set up and function
- › MICT programming software
- › Zero adjustment and belt tension
- › Gas train requirements
- › Examples of the structure
- › Troubleshooting

### MAIN TOPICS MIXTURE CONTROL

- › Lean burning / fat burning
- › Control of exhaust gas and combustion chamber temperature

### MAIN TOPICS ITB – THROTTLE BODY WITH INTEGRATED STEPPER MOTOR AND SC100 SPEED CONTROLLER


- › Set up and function
- › Interaction and integration
- › Troubleshooting

### MAIN TOPICS EMCON5

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

### MAIN TOPICS EASYNO<sub>x</sub> NO<sub>x</sub> MONITORING

- › Set up and function
- › Interaction and integration
- › EasyNO<sub>x</sub> application instructions

 For the practical exercises it is necessary that each participant brings/keeps a laptop.

**Training Center Location:** Hunaeusstrasse 5, 29227 Celle

### Target Group

This course is geared to service technicians, commissioning engineers and CHP operators who would like to gain a better understanding of the technical aspects of mixture and speed control.

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

Upon successful completion of the training session, participants will be familiar with the various components of a mixture and speed control system and understand how it functions.


Final test to achieve the bronze or silver status from the main topics Module 3 to prove the acquired knowledge on request.



### Presence Training

- ⌚ Duration: 1 day (8:30 a.m.–4:30 p.m.)
- € Price: 240.00 € per participant (includes training materials, lunch snack, hot and cold beverages)

### MOTORTECH Service

 Telephone: +49 5141 93 99 220

### Online Training

- ⌚ Duration: 1 day (8:30 a.m.–3:30 p.m.)
- € Price: 190.00 € per participant (includes training materials)

 Email: [training@motortech.de](mailto:training@motortech.de)