

The background image shows a large industrial machine, likely a generator or motor, with its internal components exposed. Several workers in blue uniforms and orange hard hats are standing around the machine, observing it. The Siemens logo is in the top left corner.

# SIEMENS

*Ingenuity for life*

## Training

### Product Description

[siemens.cz](http://siemens.cz)

Well-trained staff is a crucial factor for the success of any company. Siemens Electric Machines s. r. o. competent specialists offer a comprehensive range of further training providing insight into most of the problems that may be encountered when utilizing generators and motors made by Siemens Electric Machines s. r. o.

You can get training directly from the manufacturer and thus first hand know-how. Skills development and expert knowledge make companies competitive and innovative. With our globally available training courses for industry, we help you achieve these goals with practical experience, innovative learning methods and a concept that is tailored to the customer's specific needs.

Our training courses are led by certified experts with practical experience. Practical exercises on specially developed training equipment, as well as good-quality course materials ensure learning success.

## Benefits

- Knowledge directly from the manufacturer
- Practical exercises on real products
- Training in diagnosis and fault rectification shortens downtimes and improves production processes
- Absorbed know-how about fault diagnostics reduces downtime
- Potential for increasing productivity

## Risks

- Unprofessional maintenance and operation of the machine may lead to the loss of warranty
- Unprofessional service may cause additional costs arising from the need of a more frequent maintenance as well as shorter life of the machine
- Unprofessional service or maintenance may result in irreversible damage of machine parts including machine winding with high repair costs

## Content

- Training courses focused on functionality, service, maintenance and machine repairs
- Courses consist of theoretical and practical parts and are conducted with the support of expert departments of Engineering, Production and Test-field
- Trainings use real models, or finished products
- Trainings are supervised by qualified and expert Siemens staff
- The course finishes with a certificate



## Basic data

<b>Machine type:</b>	Synchronous generator 0,5 up to 25 MVA Synchronous and asynchronous motors 0,5 up to 20 MW
<b>Frame sizes:</b>	400 mm – 1340 mm
<b>Speed:</b>	500 RPM – 1 800 RPM
<b>Frequency:</b>	50 Hz – 60 Hz
<b>Voltage:</b>	380 V – 13,8 kV
<b>Type of cooling system:</b>	IC01, IC31, IC81W and others
<b>Mounting form:</b>	Horizontal feet mounted, Flanged bearing shield or shaft end, Vertical flange mounted
<b>Degree of protection:</b>	IP 23, IP 44, IP 54 and others
<b>Standards:</b>	IEC, EN, DIN, VDE and others Marine certification (DNV-GL, ABS, BV, LRS, CSS, RINA, RMRS and others)
<b>Explosion protection:</b>	Ex p/Ex n
<b>Machine weight:</b>	5 through 40 tons

### Contact

**Siemens Electric Machines s.r.o.**  
Process Industries and Drives Division  
PD LD AP MF-DSV CS

Drásov 126  
664 24 Drásov, Czech Republic  
service tel.: +420 549 426 440

**service e-mail:**  
servicedrasov.cz@siemens.com

**For more information please go to:**  
[siemens.cz/sem](https://www.siemens.cz/sem)

## Other Customer Service products:

- Spare part management
- Generator and motor retrofits
- Preventive maintenance and field service
- Repairs in a production plant or through a network of SIEMENS repair shops
- Vibration diagnostics and machine diagnostics (with a possible online monitoring)
- Service contracts
- Commissioning