

# Variable Speed Drive SIEMENS SINAMICS G120

## Operator and Maintenance

### Course Description

This training course provides the trainee to be able to; assign the right drive for the industry application and specify its size, know the drive structure for power part and control part, use the starter commissioning software tool for drive parameterization, commissioning, starting up and diagnostics. Fault tracing and preventive maintenance, Integrating the drive with the automation system.

### Target Audience

Programmers, commissioning engineers, service personal and configuring engineers.

### Pre-requisites

- Basic computer skills with Windows 7 very helpful.
- Few knowledge of motor start/stop techniques.

## Duration

- **Class room:** 3 days, 7 hours/day.
- **On line:** 7 days, 3 hours/day.

## Course Outline

- Introduction to Siemens drivers.
- SINAMICS - System Overview.
- Siemens Sinamics drives the application and the performance.
- The G150 drive construction and specifications.
- Commissioning and parameterization with the STARTER commissioning tool.
- Data maintenance.
- Diagnostics and troubleshooting.
- Drive upgrading.
- Practical exercises using the training case of the G120 drive.

## Course Agenda

<p><b>Day 1</b></p>	<ul style="list-style-type: none"> <li>• Introduction to Siemens drivers.</li> <li>• SINAMICS - System Overview.</li> <li>• Siemens Sinamics drives the application and the performance.</li> </ul>
<p><b>Day 2</b></p>	<ul style="list-style-type: none"> <li>• The G150 drive construction and specifications.</li> <li>• Commissioning and parameterization with the STARTER commissioning tool.</li> <li>• Data maintenance.</li> </ul>
<p><b>Day 3</b></p>	<ul style="list-style-type: none"> <li>• Diagnostics and troubleshooting.</li> <li>• Drive upgrading.</li> <li>• Practical exercises using the training case of the G120 drive.</li> </ul>