

**Mitsubishi Electric Europe B.V. - Benelux Branch**

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FACTORY AUTOMATION | BENELUX BRANCH

Technical Training Duration	<b>Training PLC MELSEC-iQ - Basic</b> 2 days
Devices and Software	MELSEC Controller - iQ-F (FX5) / iQ-R Software GX Works3

**Prerequisite**

Basic knowledge of Control Technology  
Bring your own laptop to the training

**Course Objective**

You will be able to program, debug and monitor the MELSEC controllers using GX Works 3 software.

**Certificate of completion**                      MELFA PLC Programmer

**Contents**

- Overview of MELSEC PLC products
- Programming software GX Works3
- IEC standard functions and addressing
- Basic elements data types and type classes, application of global label and local label
- Basic functions logical operations, timers and counters, word processing
- Creation and structured call of simple PLC programs
- Programming of functions and function blocks
- Optional connection with HMI/SCADA (GOT2000 terminal)
- Networking via Ethernet Modbus TCP
- FTP server functions, creating web pages for the internal web server
- Debug functions in case of errors
- Firmware updates

**Target group**

Technical personnel, commissioning engineers, plant programmers, maintenance personnel

**Article number**                                      BASIC: 128647

**Costs**    350,- per person per day

You will use your own development environment during the training. Bring your own laptop with the latest GX Works 3 version installed. Please inform us if you prefer the course with iQ-R and/or iQ-F.

**General conditions**

Up to 10 days before the start of the respective training, Mitsubishi Electric reserves the right to cancel the training. Cancellations by participants are free of charge up to 14 days before the start of the training. In the event of later cancellations, we take the liberty of charging you a flat-rate fee of 50 euros. In case of cancellation up to three days before the event date or in case of no-show, we will charge you half the event fee.

Benelux office is a part of the Central Europe Industrial Automation Division  
which is located in Ratingen, Germany:

Registered office Europe. Mitsubishi-Electric-Platz 1, 40882 Ratingen.  
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