



SD7000 Variable Speed Dries – Power Electronics Maintenance & Troubleshooting

Application: RXi Wago/B&R/RXi/ PEC M3

Purpose

- Understand architecture of your Electrical Propulsion System
- Understand technology used
- Understand and practise maintenance operation for control system main components (parts replacement & configuration).

Target audience

- Operators, management, maintenance and engineering personnel.

Pre-requisites

- Know and use the PECe tools
- Basic electrical knowledge
- Basic computer knowledge

Content

Electro-technical theory refresh (transformer/rotating machines/drive)
 Variable frequency drive operating principle (main components, control interfaces)
 Control Network Architecture (communication principles, hardware/SW description)
 Drive Control & Process Automation Principles

- Software – System functions & application
- Hardware – Configuration

Automation Maintenance procedures – usage of maintenance laptop

- Replacement of Remote IO modules and control panels (IP programming)
- Replacement of network switches
- Application reloading (P80i software or Machine Edition)



Duration: 3 days (21 hours)

Practical Exercises: 40%

- Use of SD7000 PECe application through the P80i tool
- Setting of SD7000 piloting a synchronous motor.

Training Equipment

- SD7000 mock-up
- Use of dedicated tools.

Assessment

- Quiz
- Practical exercises.

Trainee’s Documentation

- Specific customer tools
- Customized training material
- Certificate of attendance

Location: France – Belfort

Training Code	EN SD7000 Physical
Max number of trainees	6
Price	Contact us