



Agenda VectorAcademy

CANOPEN FUNDAMENTALS SEMINAR

Duration:	1 Day
Target Group:	Decision makers and developers
Prerequisites:	CAN Fundamentals
Goal:	Acquire basic CANopen knowledge

- 1 | INTRODUCTION TO THE CAN PROTOCOL | 1.3 H**
 - ▶ Communication mechanisms and properties
 - ▶ Requirements for CAN based systems

- 2 | INTRODUCTION TO THE CANOPEN WORLD | 1.0 H**
 - ▶ Overview of components and correlations

- 3 | ACCESSING THE OBJECT DICTIONARY (SDO) | 1.5 H**
 - ▶ Configuration via the Service Data Object

- 4 | PARAMETER HANDLING/PARAMETER STORAGE | 0.3 H**
 - ▶ Storing the configuration of a CANopen device

- 5 | EXCHANGE OF PROCESS DATA (PDO) | 1.5 H**
 - ▶ Use of Process Data Objects in a network
 - ▶ Configurability of the communication relationships

- 6 | NETWORK MANAGEMENT AND ERROR DETECTION | 0.7 H**
 - ▶ Controlling and monitoring CANopen devices in the network

- 7 | CANOPEN MASTER AND CANOPEN SLAVE | 0.3 H**
 - ▶ Differentiation of the terms

- 8 | CONFORMANCE TESTING | 0.3 H**
 - ▶ Overview of the test tool