



Agenda VectorAcademy

AUTOSAR FUNDAMENTALS

Duration:	1 Day
Target Group:	Project Leader, Developer, Users
Prerequisites:	Knowledge about software development for automotive systems
Goal:	General view of AUTOSAR

1 | OVERVIEW AND AIMS | 0.5 H

- ▶ Motivation and aims
- ▶ Organization, schedule

2 | INTRODUCTION TO AUTOSAR | 1.5 H

- ▶ Basic principles and technical concepts
- ▶ SWC (software components) and RTE (runtime environment)

3 | AUTOSAR RTE | 1.5 H

- ▶ Interfaces with application and basic software
- ▶ Mode of operation of the RTE

4 | AUTOSAR BSW | 0.5 H

- ▶ Explanation of the most important BSW (basic software) concepts

5 | METHODOLOGY OF AUTOSAR | 1.0 H

- ▶ Overview and data exchange formats (ECU Extract, ECUC, ...)
- ▶ Methodology from the view of an OEM and supplier

6 | AUTOSAR IN PRACTICE | 1.0 H

- ▶ Development of AUTOSAR systems demonstrated with Vector's DaVinci Tool Suite

7 | IMPLICATIONS AND MIGRATION | 0.5 H

- ▶ Presentation of different migration scenarios from the point of view of the application and the BSW