



# Agenda VectorAcademy

## AUTOSAR FUNDAMENTALS

<b>Duration:</b>	1 Day
<b>Target Group:</b>	Project Leader, Developer, Users
<b>Prerequisites:</b>	Knowledge about software development for automotive systems
<b>Goal:</b>	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