## AUTOSAR Fundamentals

**Agenda Vector Academy**

<table>
<thead>
<tr>
<th>Duration:</th>
<th>1 Day</th>
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</thead>
<tbody>
<tr>
<td>Target Group:</td>
<td>Project Leader, Developer, Users</td>
</tr>
<tr>
<td>Prerequisites:</td>
<td>Knowledge about software development for automotive systems</td>
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<tr>
<td>Goal:</td>
<td>General view of AUTOSAR</td>
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</tbody>
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### 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 |