

# PREEvision AUTOSAR Adaptive Add-On

Agenda VectorAcademy

<b>Delivery Format:</b>	This course is offered in Classroom <b>or</b> in Remote Format
<b>Duration:</b>	Classroom: 2 days Remote: 15 hours
<b>Target Group:</b>	Architects and engineers in charge of designing AUTOSAR Adaptive Architectures
<b>Prerequisites:</b>	Participation in "AUTOSAR Classic SW Engineering with PREEvision"; Understanding AUTOSAR Adaptive Fundamentals
<b>Goal:</b>	Modeling AUTOSAR Adaptive architectures in PREEvision

- 1. Recap AUTOSAR classic SWC design**
  - > Signal based Software Design
  - > Service based Software Design
- 2. Modeling of High Performance Computers**
  - > Computer and Execution context
  - > Network
- 3. Adaptive Software Design**
  - > Adaptive Software Component
  - > Ports and Interfaces
- 4. Combined Systems**
  - > Port Adapter
  - > Signal to Service Mapping
- 5. Deployment and Routing**
  - > Software Hardware Mapping
  - > Signal Routing
- 6. Service instance configuration**
  - > SOME/IP
  - > Service Discovery
- 7. Export**
  - > AUTOSAR export
  - > Demonstration of Import in DaVinci Developer Adaptive
- 8. Question and Recap**