

# AUTOSAR COMPLIANT HVAC APPLICATION DEVELOPMENT

## Overview

Development of AUTOSAR compliant application modules for HVAC controller

## Scope

- Requirement Analysis
- Architecture design
- Develop control models using MATLAB/ Simulink/ Stateflow
- MIL/ SIL testing
- Rapid control prototyping (RCP)
- Auto code generation
- Support for Integration with BSW software

## Main Functions

- HMI
- AC Control
- Blower and Distribution control
- Visibility functions (Heated Front Screen, Heated Rear Window, Heated Door Mirror)
- LIN actuator control (steppers, FBH, Seat)
- Air Intake control
- Park heating, Additional, Auxiliary heating control
- Application diagnostics

