

# ECU Tests with the VT System and CANoe

## Agenda VectorAcademy

<b>Delivery Format:</b>	This Course is offered in Blended-Learning Format. The content will be learned via E-Learning in a period of two months and there will be two accompanied remote Q&A sessions where you can ask questions.
<b>Duration:</b>	Approximately 8 hours of self-study depending on the number of exercises you do. Additionally, two Q&A hours with an expert. One hour after three weeks and another hour after six weeks.
<b>Target Group:</b>	CANoe users in the test field, VT System users
<b>Prerequisites:</b>	Course ECU Tests with CANoe Please complete a CAPL Basics E-Learning prior to the training. You will receive the link to the CAPL E-Learning prior to the course start.
<b>Goal:</b>	Deep understanding of VT System capabilities and application areas, planning and construction of a VT System, CANoe configuration and manual operation, constraints to protect your hardware. Automatic tests with CAPL to use the VT System efficiently.

Many quizzes and exercises with CANoe support your learning progress.

### 1. VT System Introduction

- > Motivation
- > Use cases

### 2. Setup

- > Power supply concepts, VT7001 and VTC8920, ground connections
- > Communication scenarios (VT System - CANoe)
- > Processor modules (VT60x0)
- > Communication modules (VT6x04)
- > Start states, constraints, manual operation
- > Firmware update, calibration, stand-alone mode

### 3. Measurement and Testing

- > CAPL Libraries
- > Automatic tests with the VT7001
- > VT1004 load module – concepts, features, automatic tests
- > VT2004 stimulation module – concepts, features, automatic tests