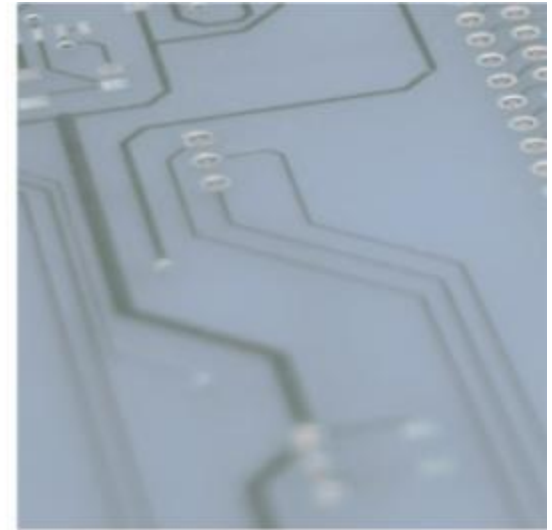
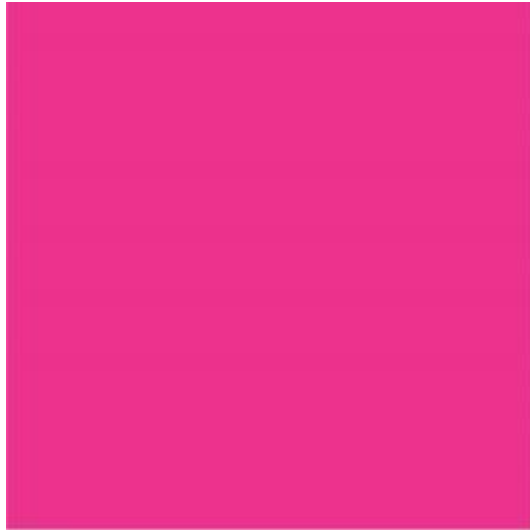


# CanEasy-Demonstrator Suite

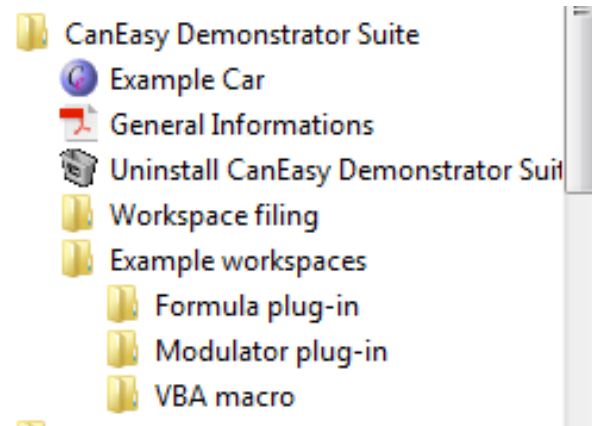


Kay Müller  
Holger Dahinten

- The Demonstrator Suite is installed together with CanEasy and contains several example work spaces
- Example workspaces
  - Example\_Modulator.csm
  - Example\_Modulator\_Formula.csm
  - Example\_Modulator\_VBA.csm
- Example Car: CanEasy's virtual instrument cluster
  - Allows you to test CanEasy capabilities without having to connect a real ECU

# Start Example Car

- You can start the Example Car via
  - Start
  - All Programs
  - CanEasy Demonstrator Suite



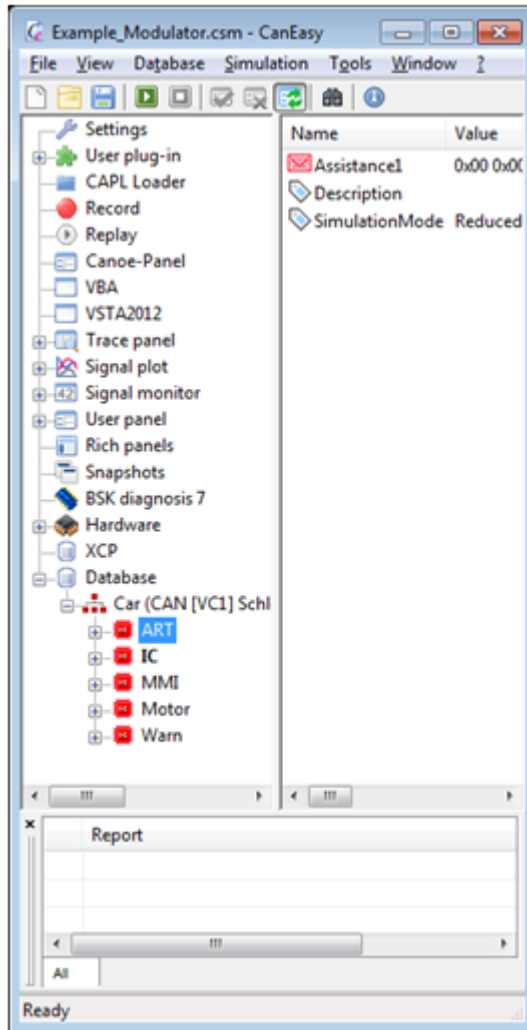
# Example Car – Features



The “ExCar” application [short for “Example Car”] is a fully functional virtual instrument cluster with:

- Speed
- RPM
- Fuel gauges
- Temperature gauges
- Warning lights
- Distance warning

# Example Car – Protocols



- Example Car supports the following protocols

CAN  
UDS  
(XCP)



- This example workspace uses the signals for RPM and speed
- After starting the simulation, the values for the RPM and speed signals are changed automatically from the modulator plug-in with a sine wave
- The resulting signal change can be monitored inside the plot and signal monitor windows

- This example uses the Modulator plug-in to change RPM and distance warning
- Formulas are providing additional functionality:
  - The formula “Velocity out of RPM” calculates speed from the value of the RPM signal
  - “Distance Warning” calculates braking distance and a critical following distance from the speed value

# Example\_Modulator\_VBA.csm

- This example work space uses the Modulator plug-in to simulate the signal value changes for RPM, speed and distance warning
  - The macro project "ACC" (adaptive cruise control) simulates the functionality of the ART ECU
  - Starting the macro "AccStart" (in the tree view of the main window) enables the simulation. The macro is event-triggered, the necessary events are registered during startup
  - After that, the respective class operates independently using CanEasy's event system
  - Required data, like speed and following distance, is processed to calculate braking distance and signal critical following distance
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Thank you for your attention!

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