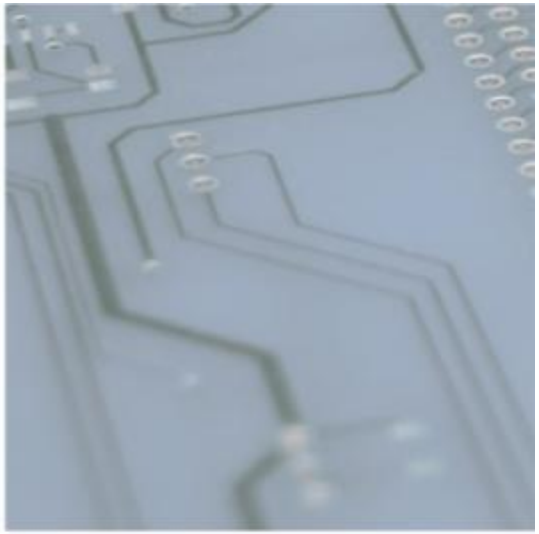
CanEasy
Operating concept

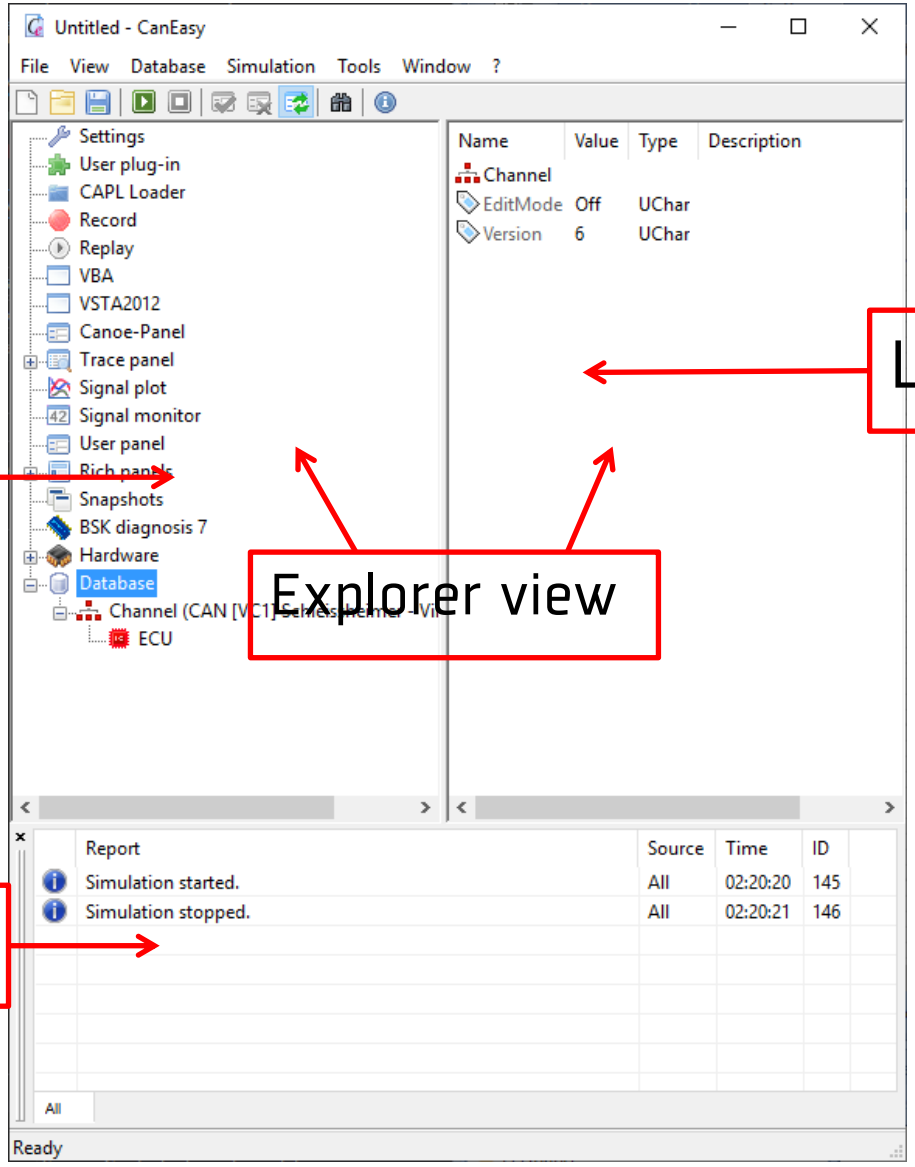
H.-J. Schleißheimer
Soft- und Hardware
Entwicklung GmbH



Holger Dahinten

Operating concept
– Main window –

H.-J. Schleißheimer
Soft- und Hardware Entwicklung GmbH



Tree view

List view

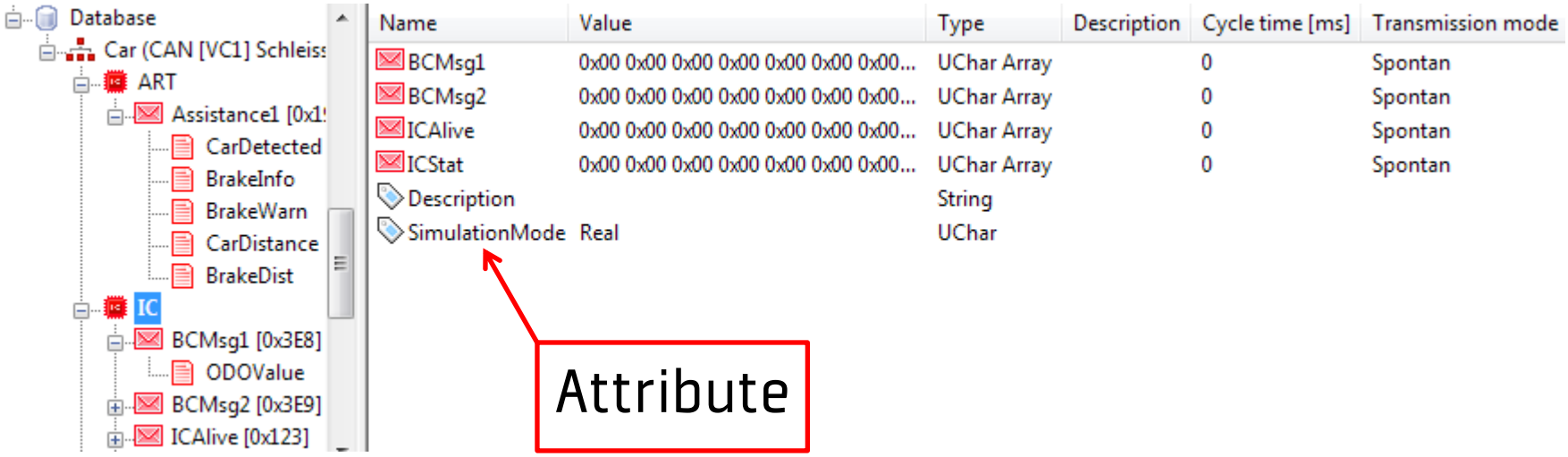
Explorer view

Report window

Operating concept
– Explorer view –

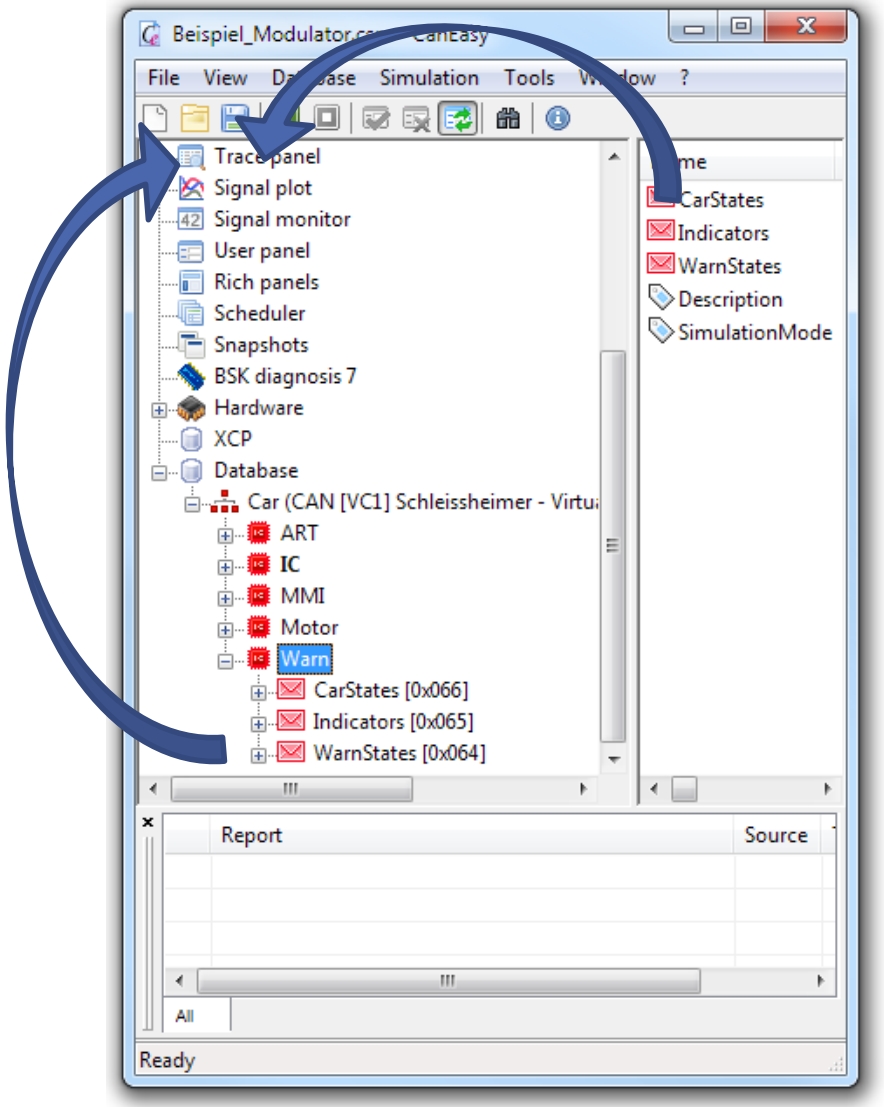
H.-J. Schleißheimer
Soft- und Hardware Entwicklung GmbH

- On the left is the CanEasy tree view
  - It provides overview of all CanEasy functions
  - You can Drag & Drop single elements
- On the right is the list view
  - Allows changing attributes
  - Select multiple items for Drag & Drop or deletion



Operating concept
– Drag & Drop–

H.-J. Schleißheimer
Soft- und Hardware Entwicklung GmbH

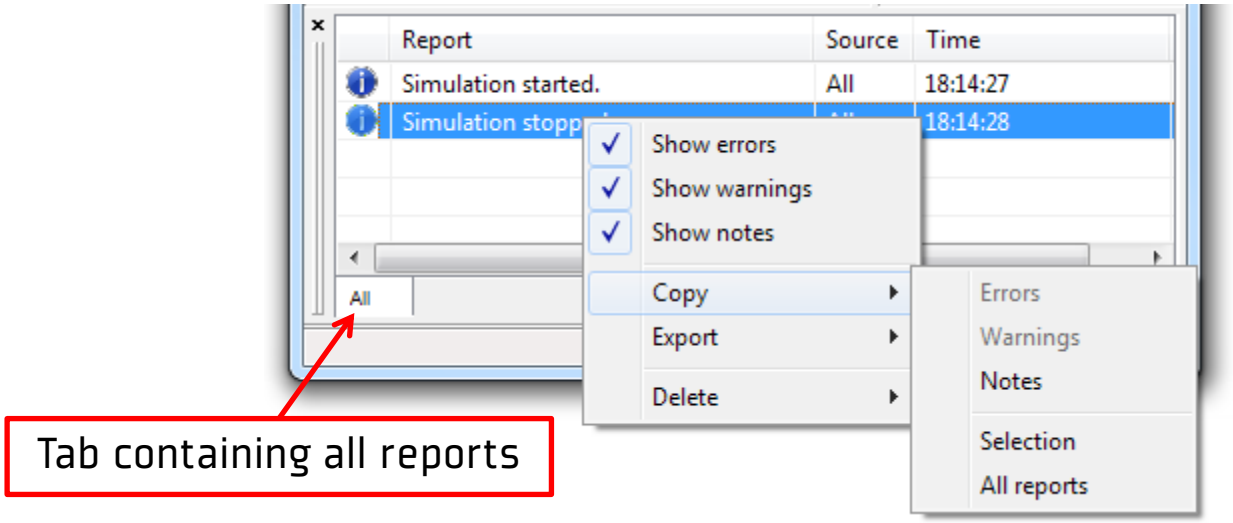


- Drag & Drop database items to the core applications (like trace and plot) to create new views
- Drag & Drop multiple items from the list view
- Drag & Drop an ECU or a message to the plot inserts all containing signals

Operating concept
– Report window –

H.-J. Schleißheimer
Soft- und Hardware Entwicklung GmbH

- On the bottom is the report window of CanEasy
- Subdivision into several tabs
- Filter for info, warnings and errors
- Copy to clipboard or export to a file
- Access via scheduler tables or VBA / VSTA



Operating concept
– Basics –

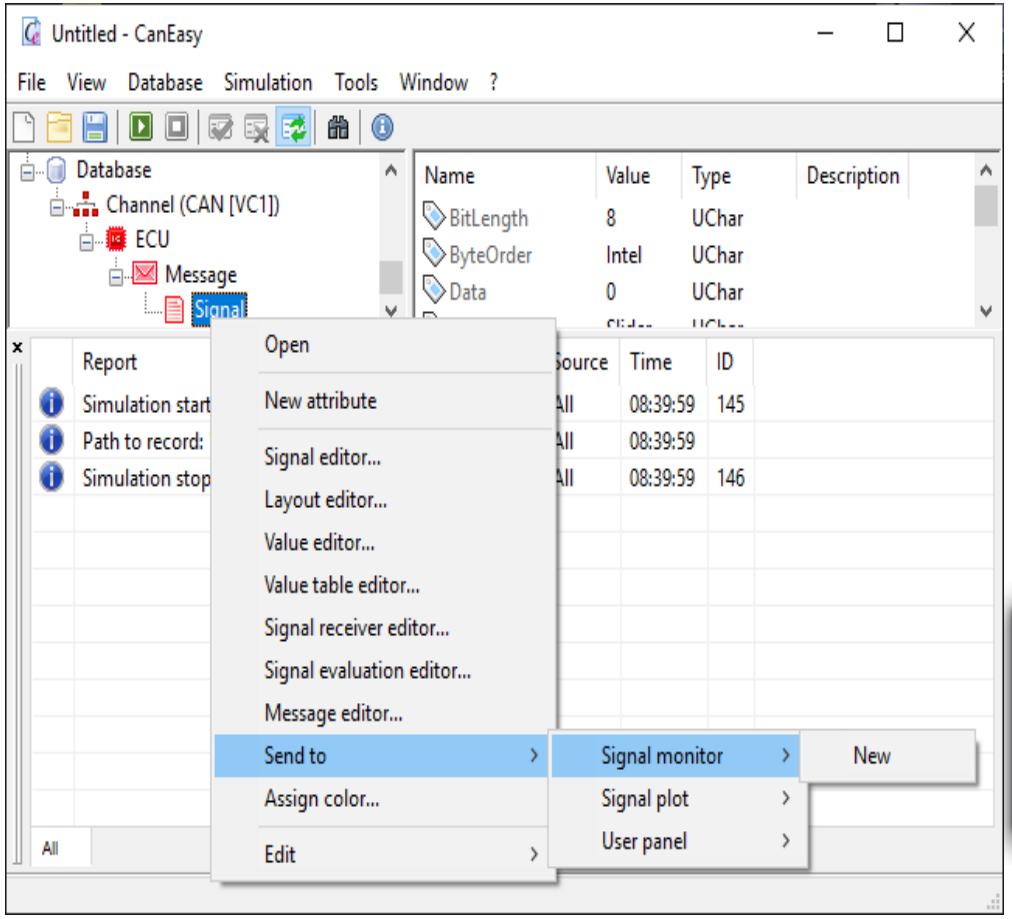
H.-J. Schleißheimer
Soft- und Hardware Entwicklung GmbH

- Every function in an own window
- Use double click to open new windows

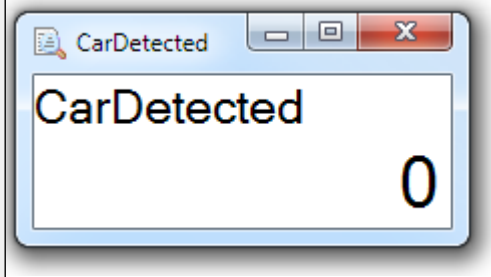
- Control via:
  - Drag & Drop
  - Copy & Paste
  - Context menu

Operating concept
– Send to –

H.-J. Schleißheimer
Soft- und Hardware Entwicklung GmbH



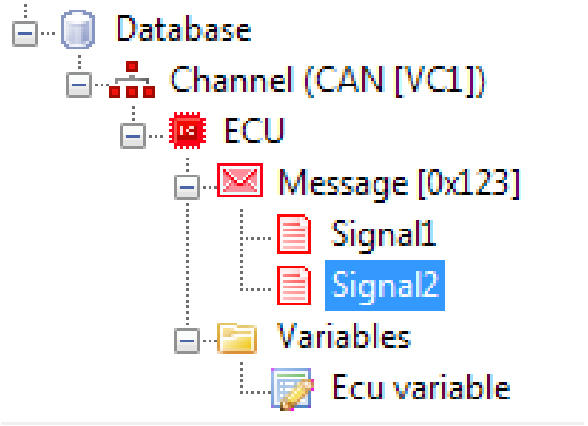
- Quickly to your destination via "Send to"
- Available in context menus of messages, signals and variables



Operating concept
– Database structure –

H.-J. Schleißheimer
Soft- und Hardware Entwicklung GmbH

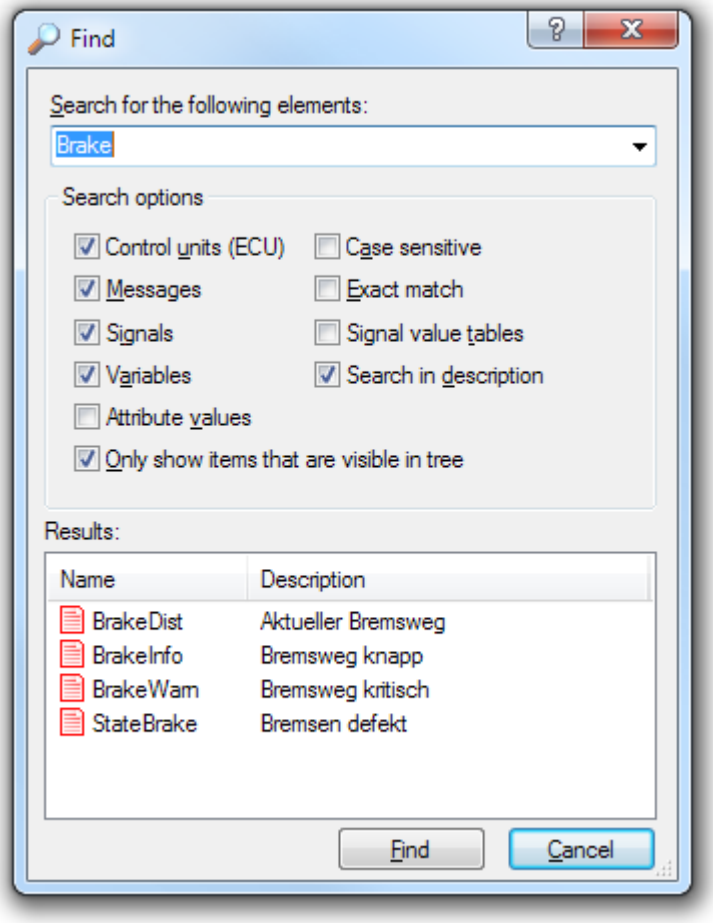
- The database is the heart of CanEasy
- It contains all database objects like buses, ECUs, messages and signals
- Bus (Channel)
  Definition of baud rate, connection with hardware channel
- ECU
  Simulated or real control unit
- Message
  Frame with identifier and payload
- Signal
  Interpretation via start bit, bit length and byte order
- Variable
  Storage of arbitrary values



Operating concept
– Search window –

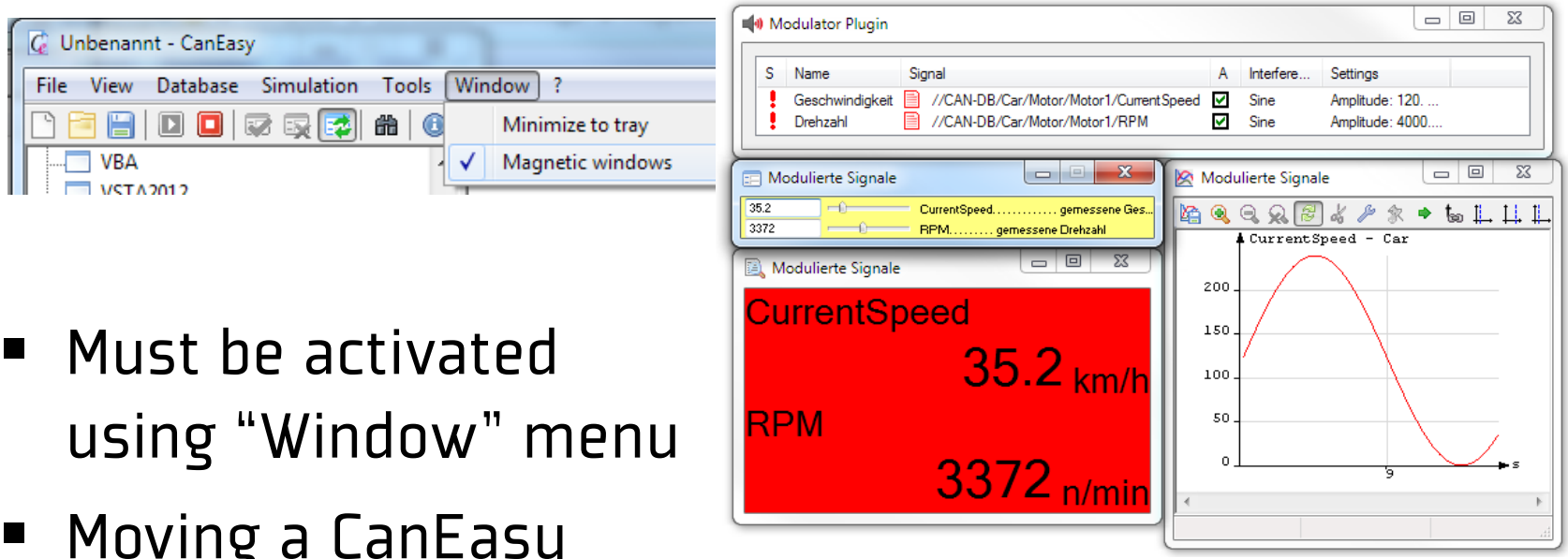
H.-J. Schleißheimer
Soft- und Hardware Entwicklung GmbH

- Search for any database elements (Ctrl + F)
- Double-click highlights entry in views
- Supports Drag & Drop
- Multiple search options



Operating concept
– Magnetic windows –

H.-J. Schleißheimer
Soft- und Hardware Entwicklung GmbH

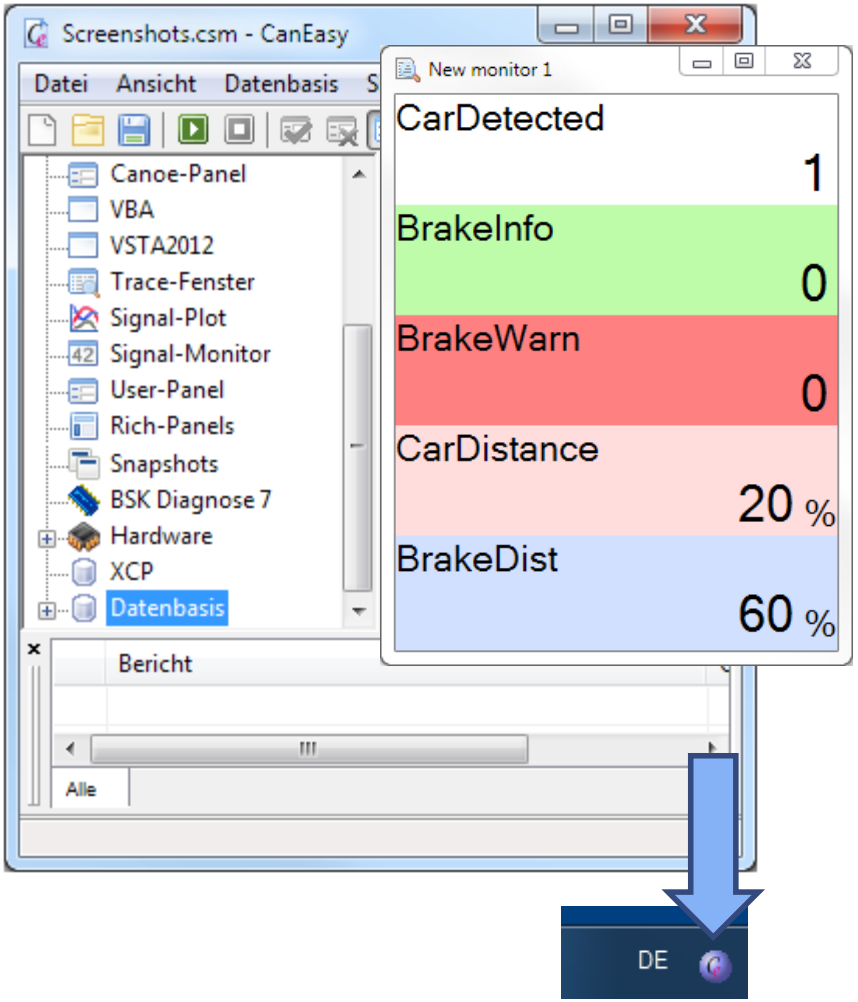


- Must be activated using “Window” menu
- Moving a CanEasy window with holding Ctrl + Alt it will be docked on other windows
- Docked windows can be moved at once

Operating concept
– Minimize to tray icon –

H.-J. Schleißheimer
Soft- und Hardware Entwicklung GmbH

- CanEasy may have lots of open windows
- If it's working in the background or temporary not needed just hide all windows to one tray icon
- Double click on tray icon opens all windows



Operating concept – Demo

H.-J. Schleißheimer
Soft- und Hardware Entwicklung GmbH

- Drag & Drop ExCar DBC file
- Find signal
  - Search for signal “Speed” (Ctrl + F)
  - Double click from search window to highlight signal in views
- Look into database structure

  > Car (Channel)

  > ART (Simulated control unit)

  > Assistance1 (0x190) (Message with ID 0x190)

  > CarDetected (Bit-Signal)

  > IC (real control unit -> bold letters)
- Manipulate signal
  - Open panel via double click of “CurrentSpeed”
  - Start simulation and change CurrentSpeed and RPM (see reaction in ExCar)
- Send To, Drag & Drop, Copy & Paste
  - Using the panel context menu “Send To” to create signal plot
  - Drag & Drop DisplaySpeed from search window to new plot window
  - Use Ctrl+C and Ctrl+V from search window to user panel
  - Drag & Drop DisplaySpeed from tree to signal monitor
- Create new trace manually and open it to see bus communication
- Set window position
  - Arrange all panels using magnetic windows
  - Minimize all to tray icon

H.-J. Schleißheimer
Soft- und Hardware
Entwicklung GmbH

Thank you for your attention!