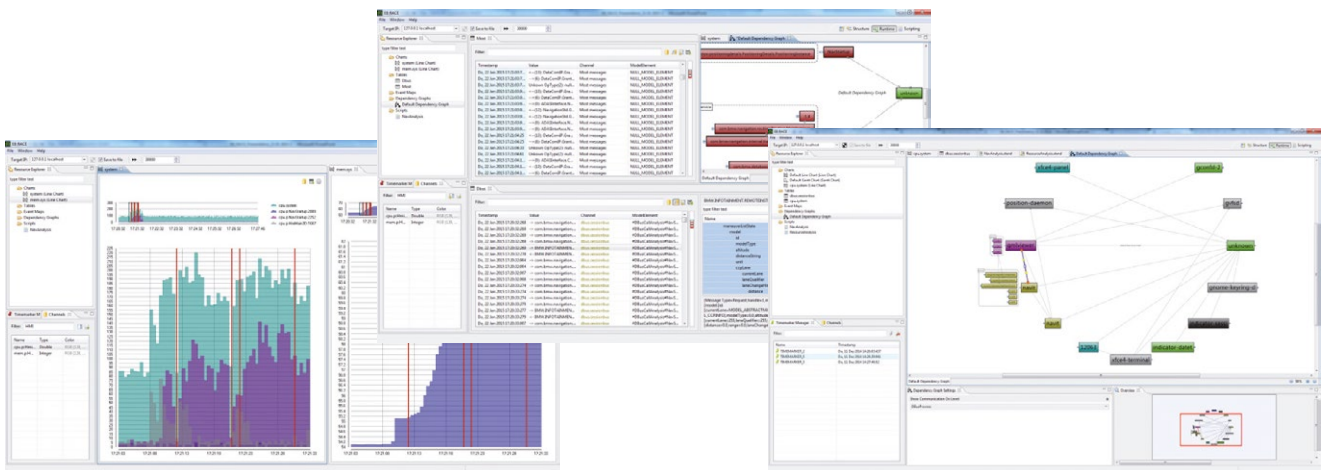**Elektrobit**

# Complex Systems \\ EB RACE

**Analyzed ▶ Understood ▶ Improved ▶ Automated**

▶ EBRACE@elektrobit.com ◀

# **EB RACE** is a sophisticated approach to analyzing complex automotive software systems from top to bottom.



## The challenge

Comprehending the complexity of the software system is the key to identifying functional and non-functional defects and shortcomings in an early development phase.

This improves the architecture and quality and reduces development costs significantly.

## The solution

Experts with strong methodology skills supported by **EB RACE** are able to inspect, analyze and validate the software system continuously.

The **EB RACE** approach helps to overcome the challenges in each software development phase and achieve a sustainable success.

## The key features

▸ Graphical correlation and analysis of target runtime data
▸ Hot spot analysis & root cause isolation
▸ Built-in script engine based on Xtend
▸ Customizable data decoders
▸ multi-OS target-agent with plug-in architecture
▸ Integration into continuous build and test toolchain with **EB RACE Auto** mode

## The benefits

▸ Assess system health
▸ Increase system understanding
▸ Analyze target systems live and post mortem
▸ Evaluate specification compliance
▸ Monitor performance metrics and detect trends
▸ Provide early feedback to development teams
▸ Derive individual improvement actions that hit the mark