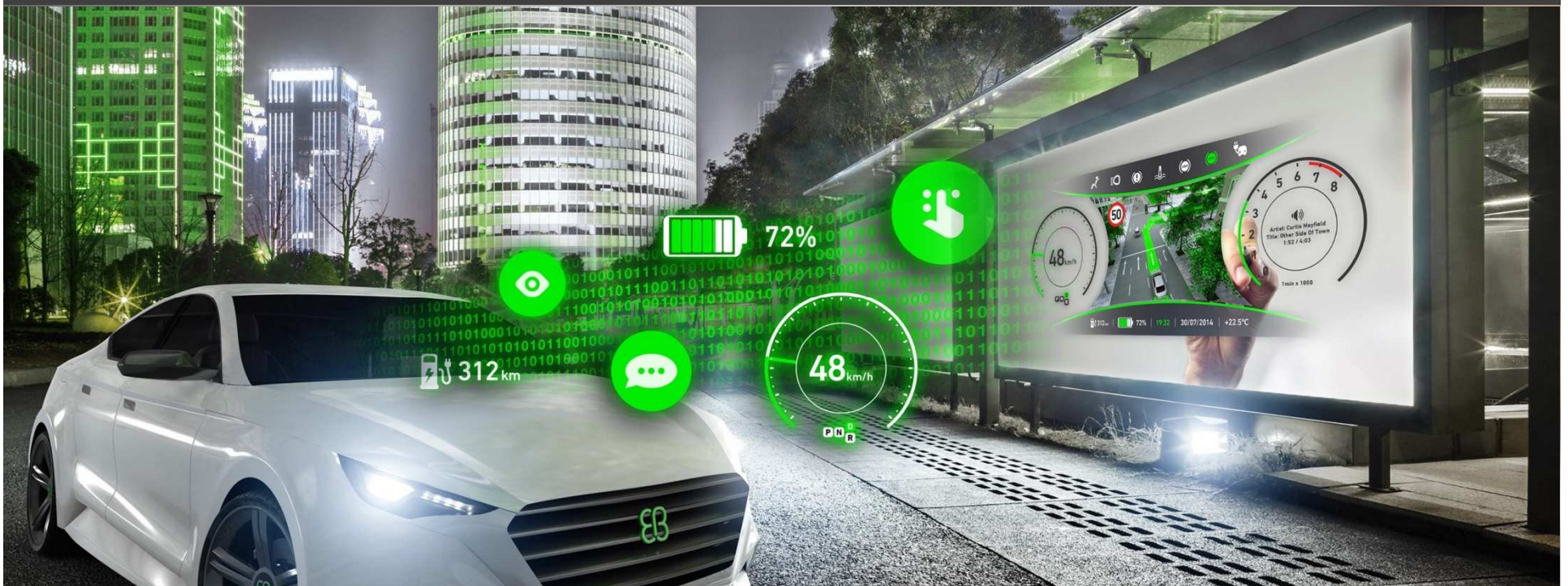


EB GUIDE 6 - model-based HMI development



Elektrobit

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December 2015



Content

HMI development

Overview, challenge & markets

Development tool

EB GUIDE Studio and Speech Extension

Runtime

EB GUIDE Graphics Target Framework

Target development for automotive HMIs – the challenge



Product development cycles get shorter

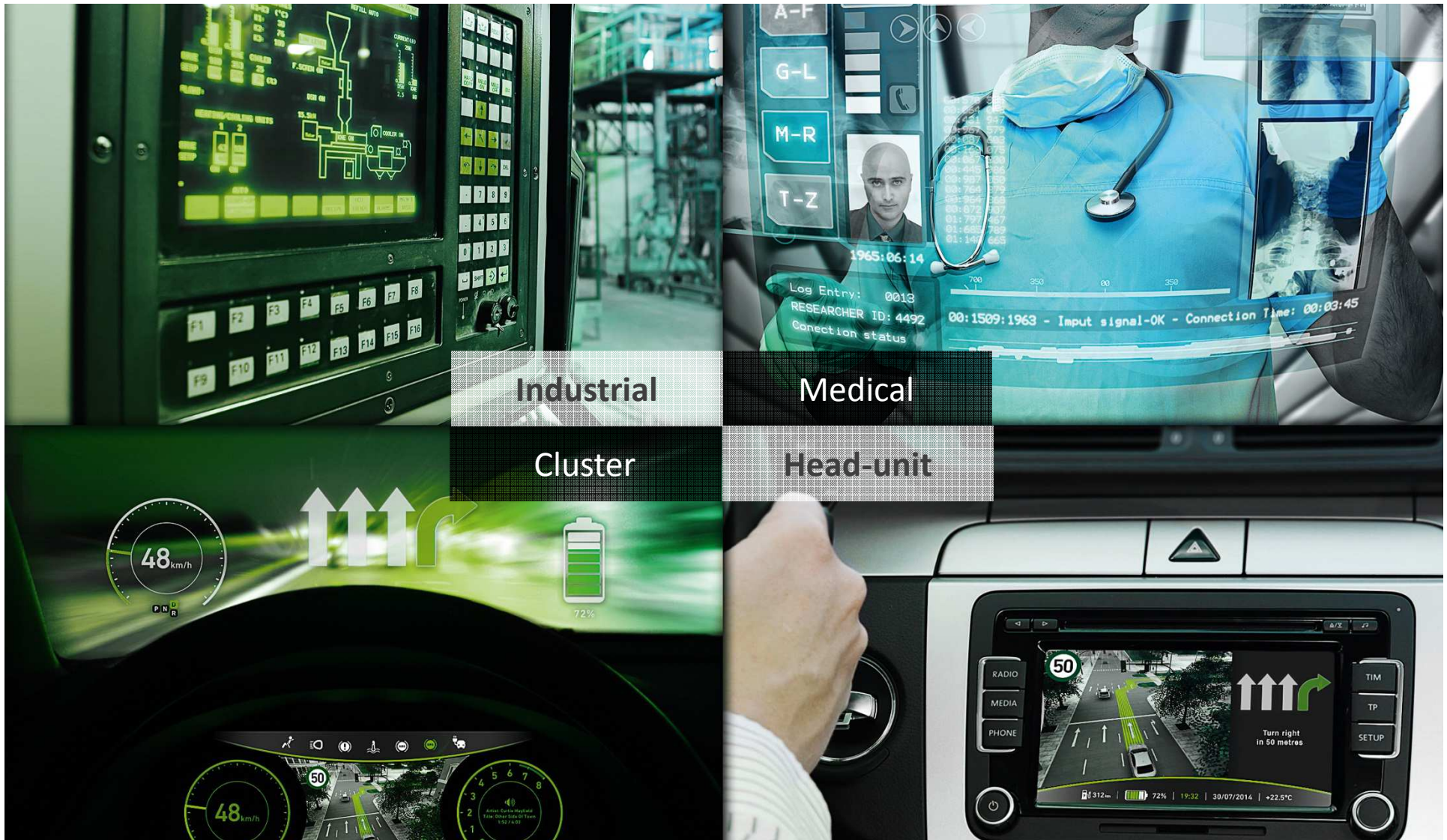
Features are not known at project start or change during development period

Projects are bigger and solutions will be used for multiple platforms, brands and markets

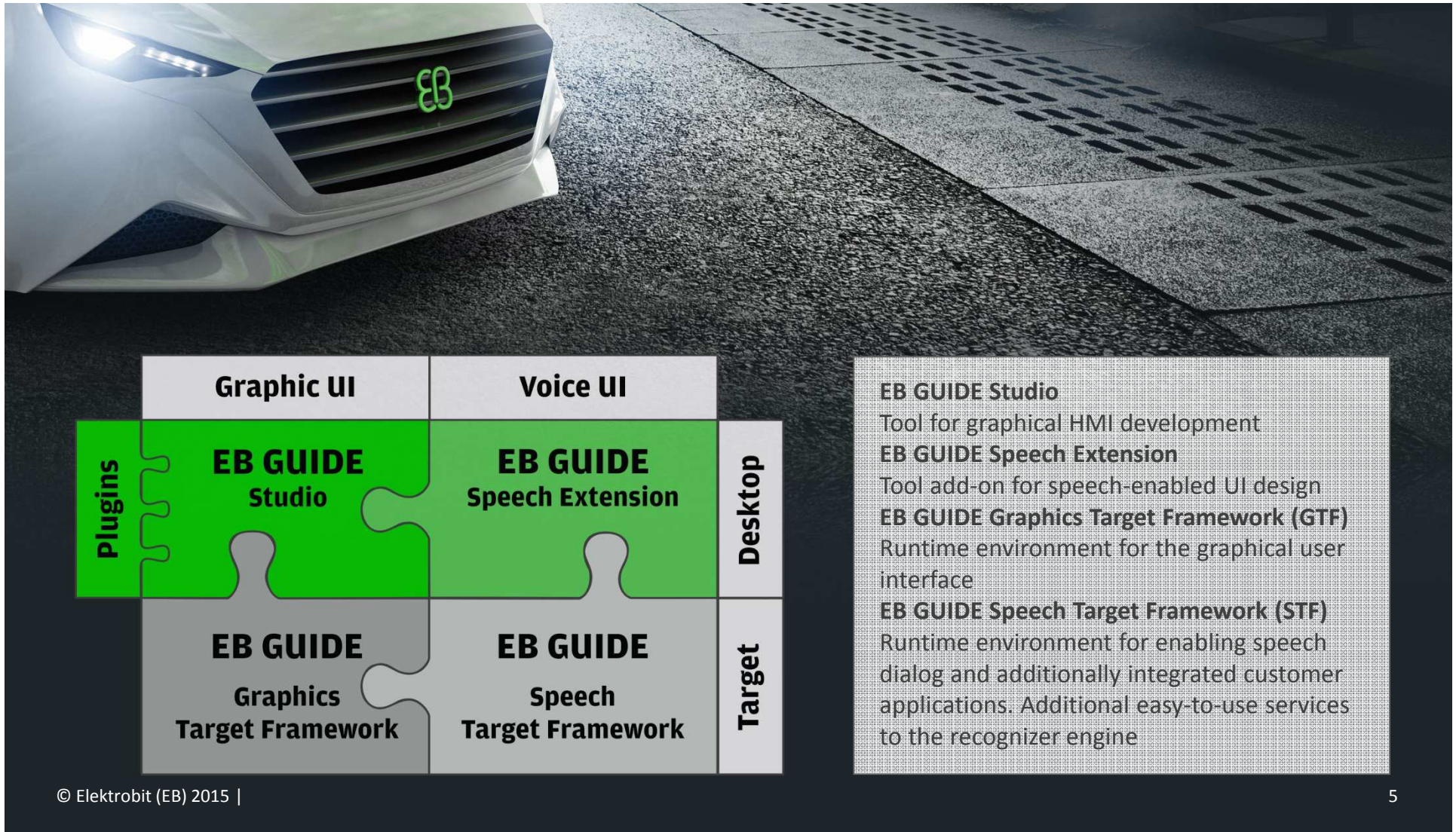
CE driven user expectation for animation, graphical effects and voice dialog

Cars are more and more connected

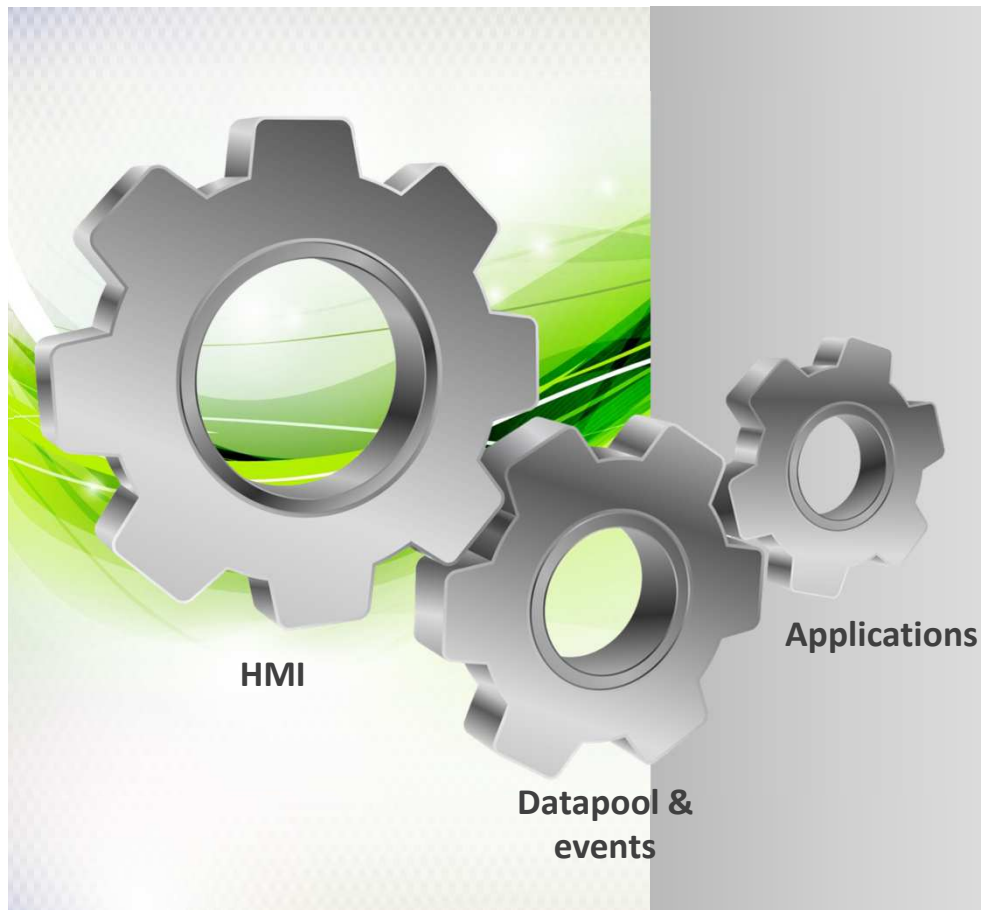
Use cases



EB GUIDE product overview



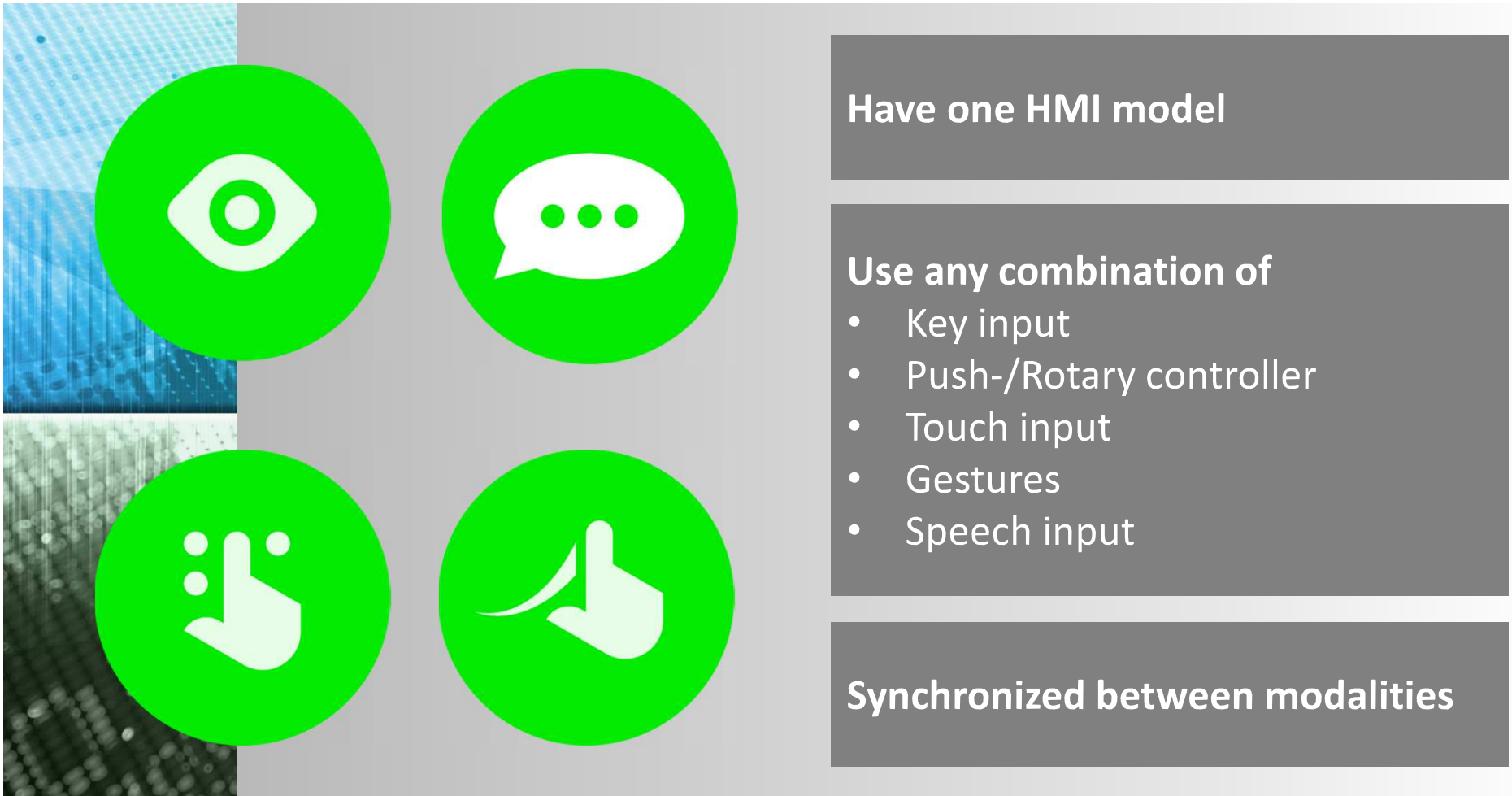
Separation of HMI model and applications



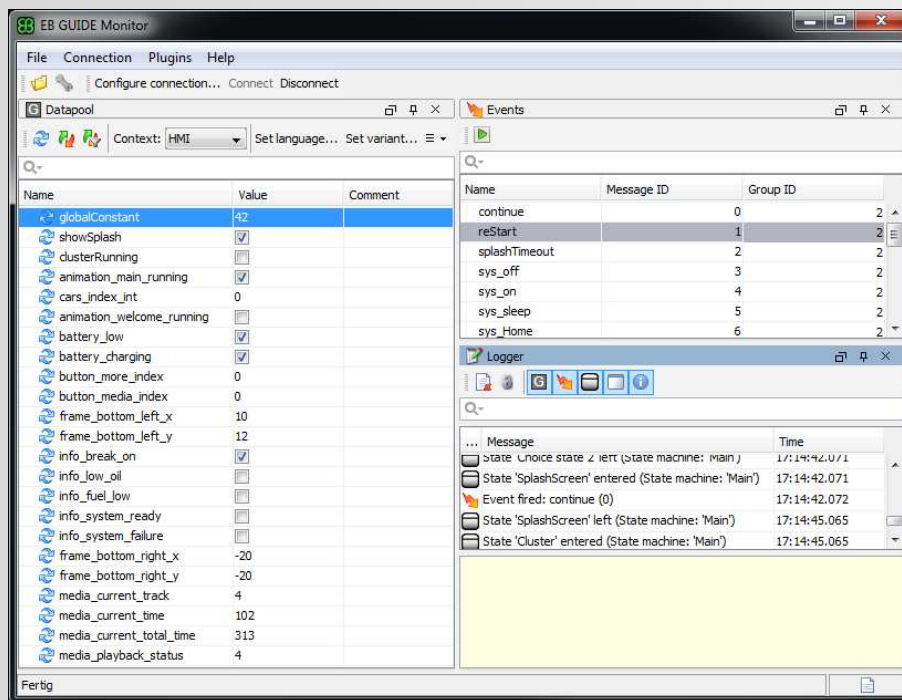
Encapsulation of the HMI in one component:

- HMI development is independent from application logic
- Communication with application is done via datapool and events
- Round trip engineering via simulation and testing
- High level of reusability by using a model driven approach

Multimodal HMIs with GUI, touch and speech dialog



Monitor the HMI with EB GUIDE Monitor



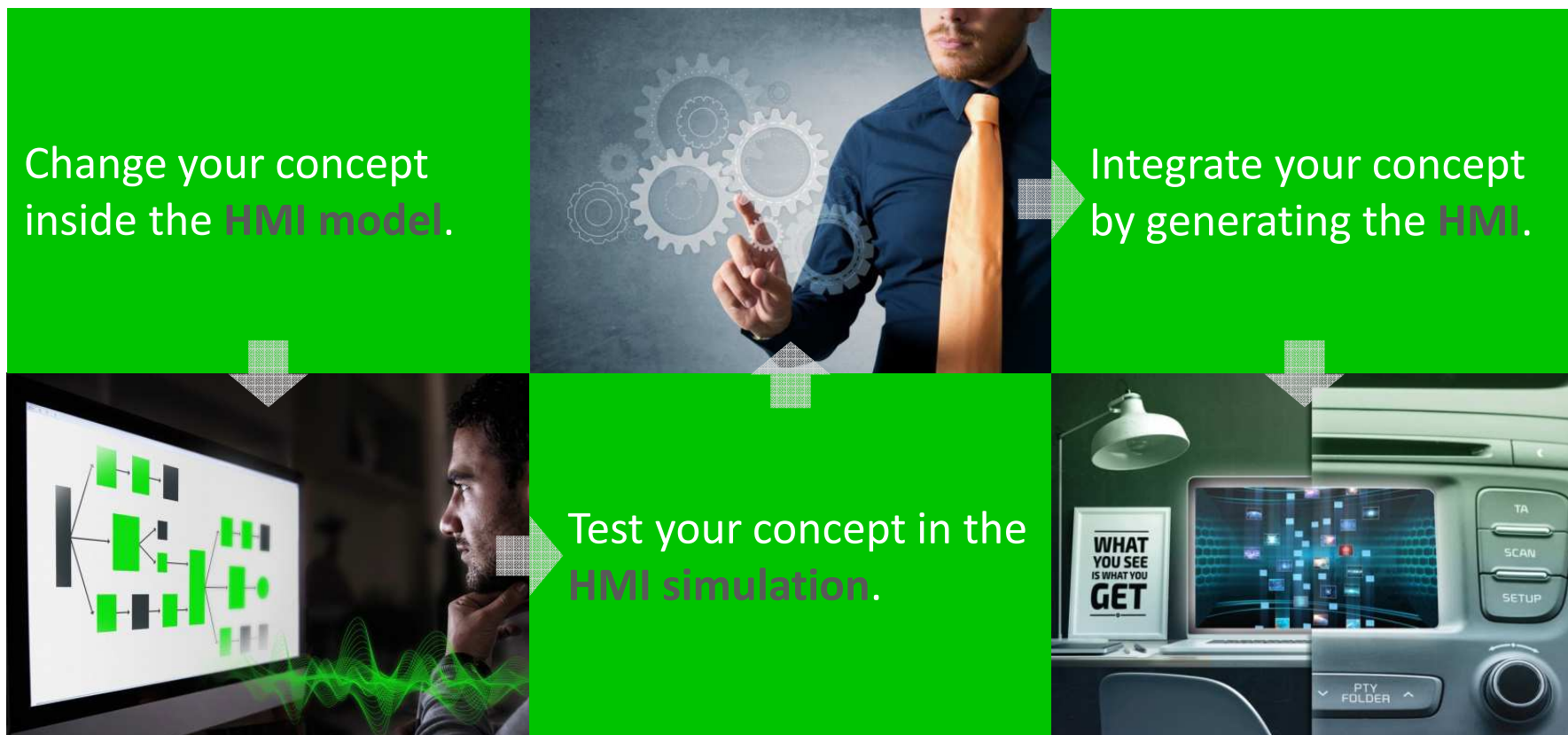
Challenge

- Manage complex dialog flows
- Automated testing of dialog flows
- Early evaluation of usability

Solution

- EB GUIDE Monitor is a graphical tool to monitor and control the runtime.
- EB GUIDE Monitor supports test automation on the command line via JavaScript.

The EB GUIDE philosophy



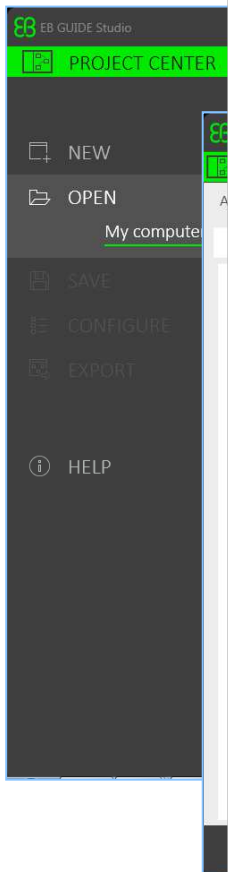
New in EB GUIDE 6



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New user interface



New, consistent and modern graphical user interface

User centric design

Guided workflows

Only two main perspectives

Improved script editor

Improved multiuser capabilities



Human readable storage file format

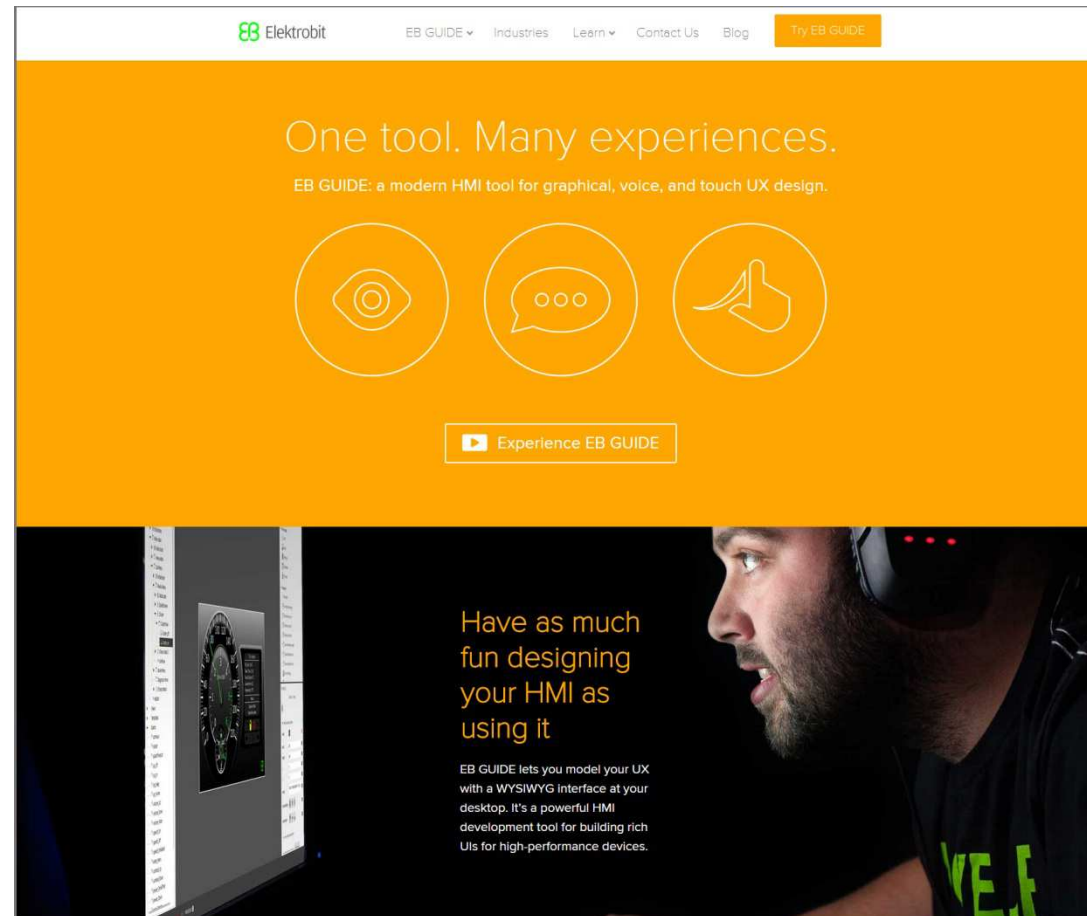
Structure in tool reflected in storage file format

Use version control of your choice

Branch and merge, and cherry picking

Easily reuse complete subprojects

Free download



www.EB-GUIDE.com

EB GUIDE Studio – two editions

Community Edition

for non commercial use cases

- Limited Support & Services
- Limited Rights
- No Warranty and Liability

Download for FREE

Enterprise Edition

for commercial use cases

- Full Support & Services
- Rights for commercial usage
- Warranty and Liability



Service Package

- EB GUIDE TF Port
- HMI Consulting & Services

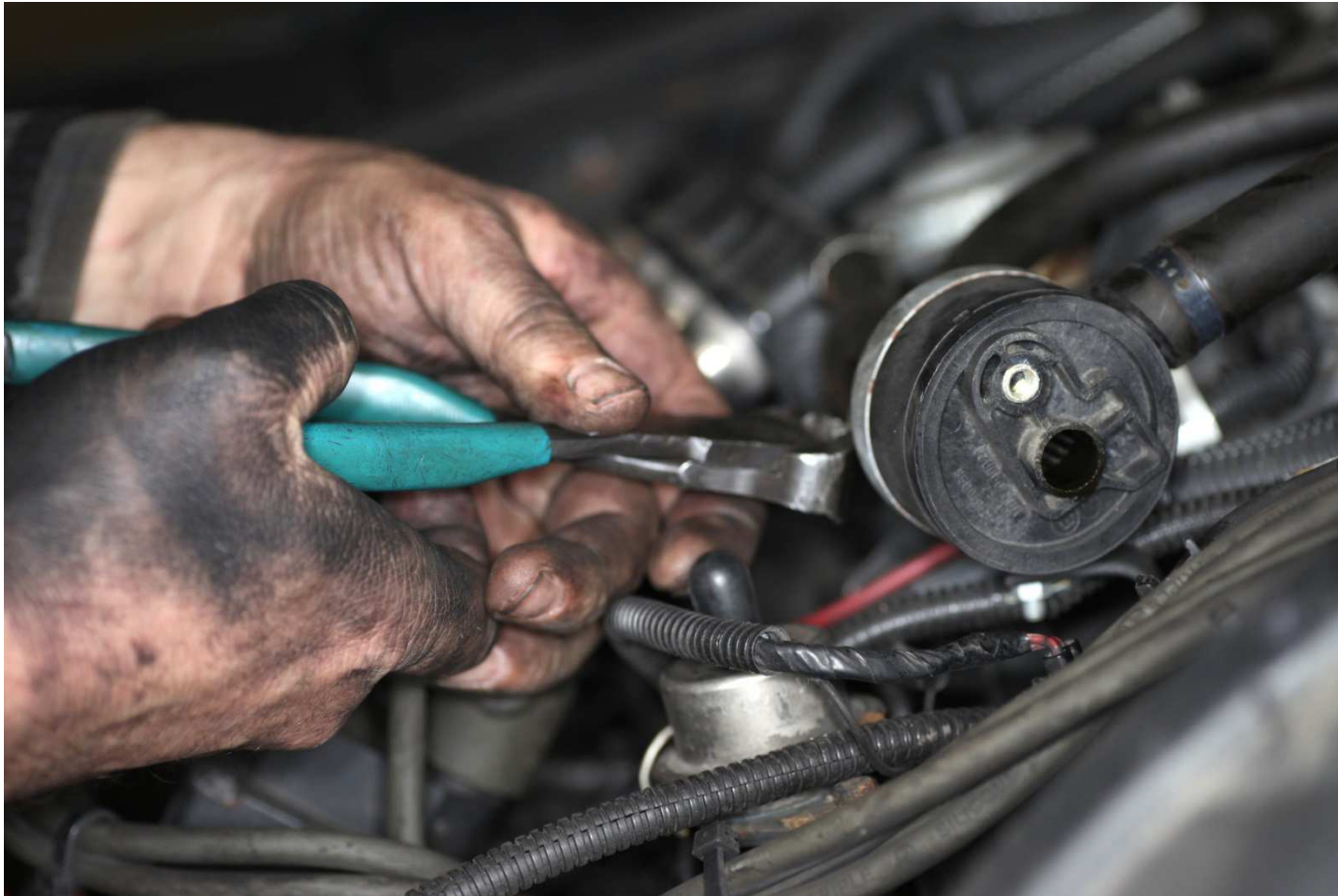


EB GUIDE TF Runtime

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