



Bosch Siemens Hausgeräte (BSH) GmbH

HMI development for household appliances
with YAKINDU Statechart Tools

*„YAKINDU Statechart Tools reduce the
time required to create and maintain
state machines.“*

**Dr. Christopher Braun,
Former PO for GUI SW-Framework and home appliance
connectivity at BSH Hausgeräte GmbH**





B/S/H/



The customer

BSH Hausgeräte GmbH is one of the world's leading companies in the home appliance industry and the largest home appliance manufacturer in Europe. With its outstanding brands, high-quality products and first-class solutions, BSH pursues the central goal of improving the quality of life of people worldwide.

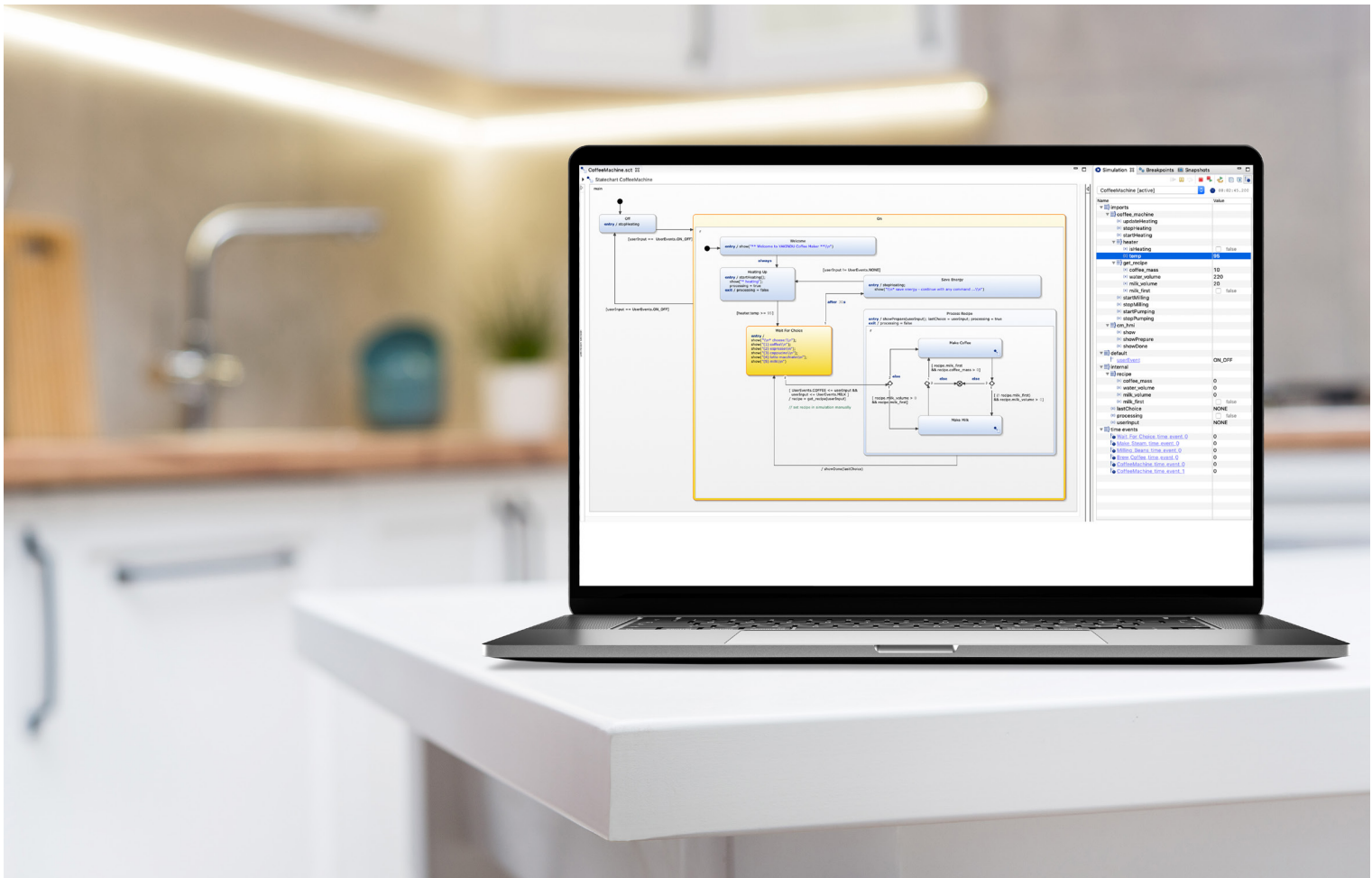
HMI development with YAKINDU Statechart Tools

The software of the new household appliances such as the Bosch Cookit, the fully automatic coffee machine EQ700 and many other kitchen and household appliances is modelled with so-called state machines. BSH uses YAKINDU Statechart Tools to **describe business logics** and to **develop these state machines, especially with appliances with human-machine interfaces (so-called HMIs)**.

With YAKINDU Statechart Tools, the **time required has been significantly reduced** and the **efficiency of the HMI implementation significantly increased**. In particular, the time required for creating and maintaining source code was significantly reduced thanks to the graphical mode-

ling approach and the use of the C++ code generator. The customer was particularly impressed by the **ease of use** of YAKINDU Statechart Tools. The comprehensive documentation, with many practical examples, enabled a quick familiarization. In productive use, existing models can be easily modified and extended.

The extensive **Unit Test and simulation options** integrated in the IDE round off the coherent overall package. Complex operating functions, for example „Guided Cooking“ with Bosch’s Cookit, and various automatic programs can be simulated and tested **quickly and easily with just a few mouse clicks** after modeling.



*„A big plus of
YAKINDU Statechart Tools is
the ease of use, with a low threshold
for developers to modify or
extend existing models.
The extensive testing and simulation
capabilities integrated into the IDE
complete the package!“*

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**Your satisfaction
is our mission!**





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