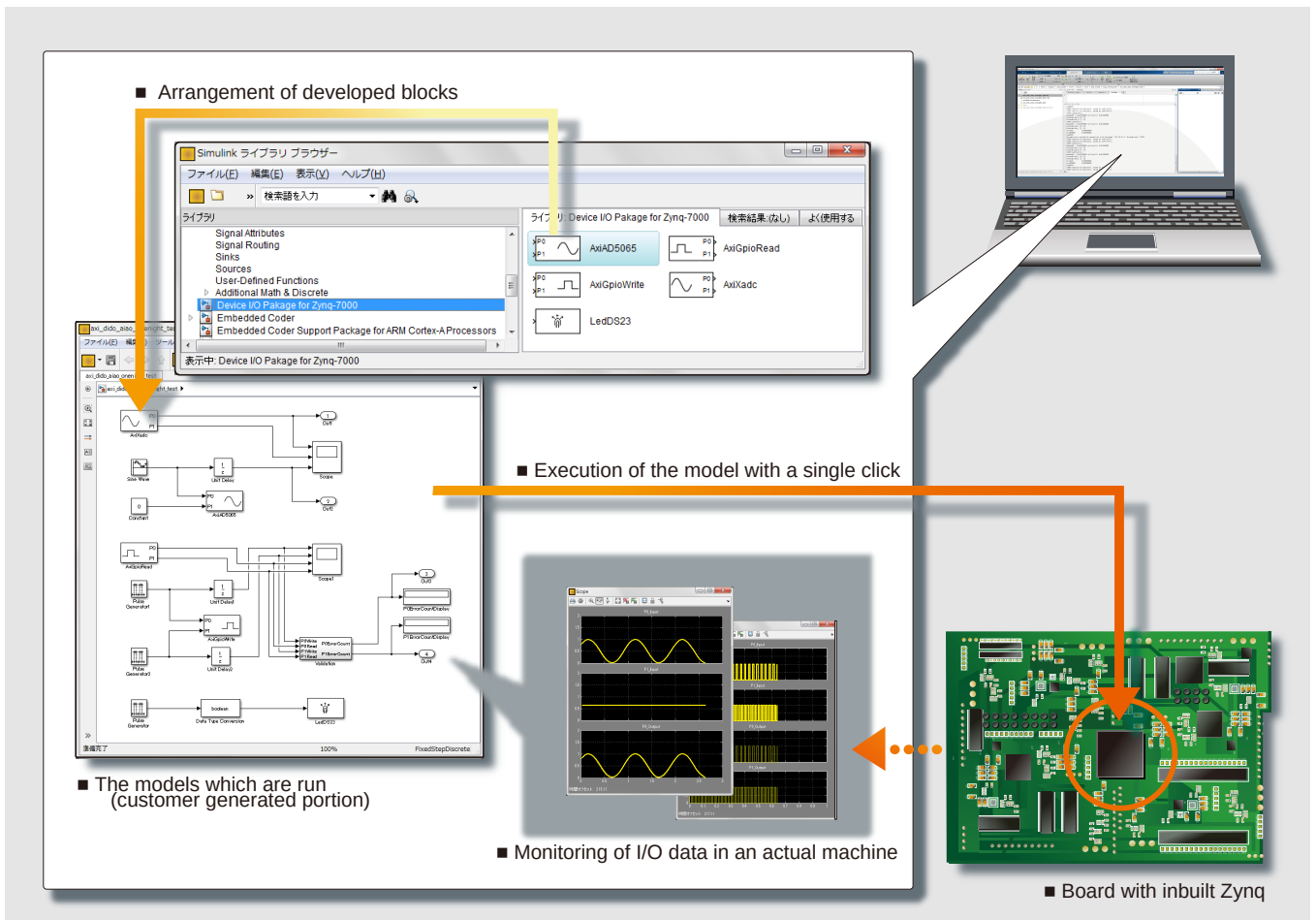


Simulink block development for Zynq-7000

Implementation of Zynq-7000 control application development without developing device drivers!



Development

- ▶ Development of a Simulink block for control of I/O devices built into Zynq-7000
- ▶ The supported I/O devices are:
 - Digital input block, digital output block
 - Analog input block, analog output block
- ▶ Automation of code generation by combined use of EmbeddedCoder and SupportPackage
- ▶ Registration as a package in the Simulink library browser

Features

- ▶ Enables control/instrumentation of the I/O devices in an actual machine with a single click
- ▶ Blocks can be used for each of several IPCores of the same type in a model
- ▶ Various settings for I/O devices can be set as block parameters
- ▶ A normal simulation can also be run on the same model (without removing any blocks)
- ▶ The shortest block processing time is 1us or less