# Software In the Loop Simulation
# GSIL

## GSIL is a SILS (Software In the Loop Simulation) Tool for Embedded Software Testing

### Checking the operation of embedded software on the actual hardware (control device) can be difficult

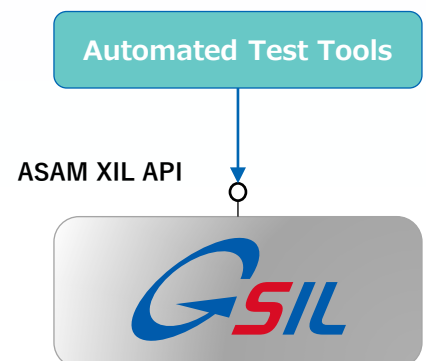GSIL allows user to create a simulation environment on a PC.

Embedded software can be debugged on a PC.

Reduce man-hours for rework by discovering defects early in the software development phase.
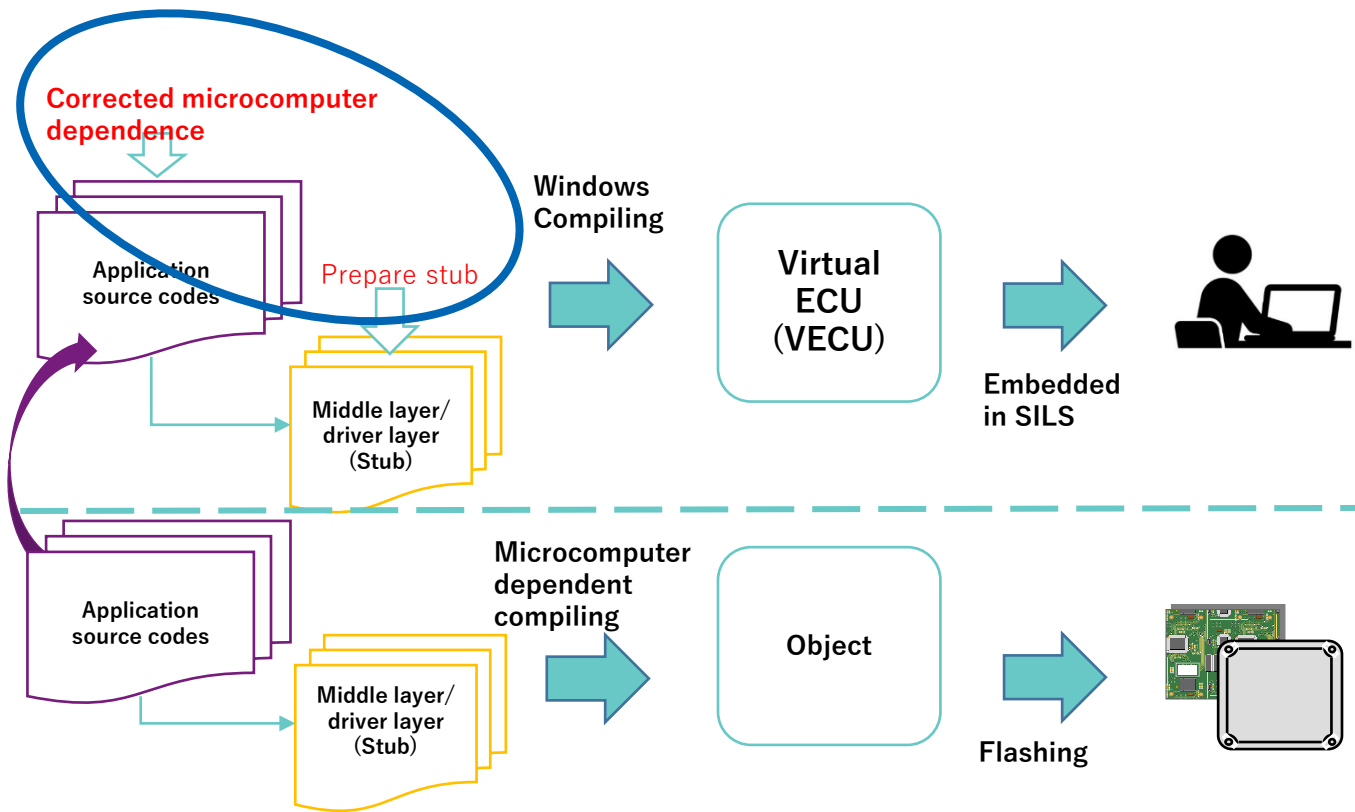


### Hardware verification and simulation verification can be performed separately

GSIL is a tool that makes it easy to link with A&D HILS (Hardware-in-the-loop) systems. Support for ASAM XIL API makes it easy to link with 3rd party test automation tools.

SILS

HILS

Automated Test Tools

ASAM XIL API

# Reduce the time it takes to create a simulation environment

GSIL has auxiliary functions to execute the microcomputer code on a PC.



**Corrected microcomputer dependence**

Application source codes

Prepare stub

Middle layer/driver layer (Stub)

Windows Compiling

**Virtual ECU (VECU)**

Embedded in SILS

Application source codes

Middle layer/driver layer (Stub)

Microcomputer dependent compiling

**Object**

Flashing

# Are you using an expensive or over-engineered SILS tool?

GSIL is a low-cost tool with all the functionality required to test Application Source Code.