

Basic examples for ACG SDK on PLECS

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imperix • in

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This page contains a few code examples that can be used to explore and test imperix's [automated code generation workflow using PLECS](#).

These examples are meant to be loaded on a [B-Box RCP converter controller](#), possibly using a Plexim RT-Box as a HIL simulator for the plant. Both devices can be conveniently connected via a [suitable hardware interface](#).

Additional code examples are provided in the different [application notes](#).

The following files have been adapted – with permission – from existing code examples developed and published by Plexim GmbH.

Automated code generation from PLECS is supported from ACG SDK 3.5 and above, which can be download here: <https://imperix.com/downloads>

Software resources

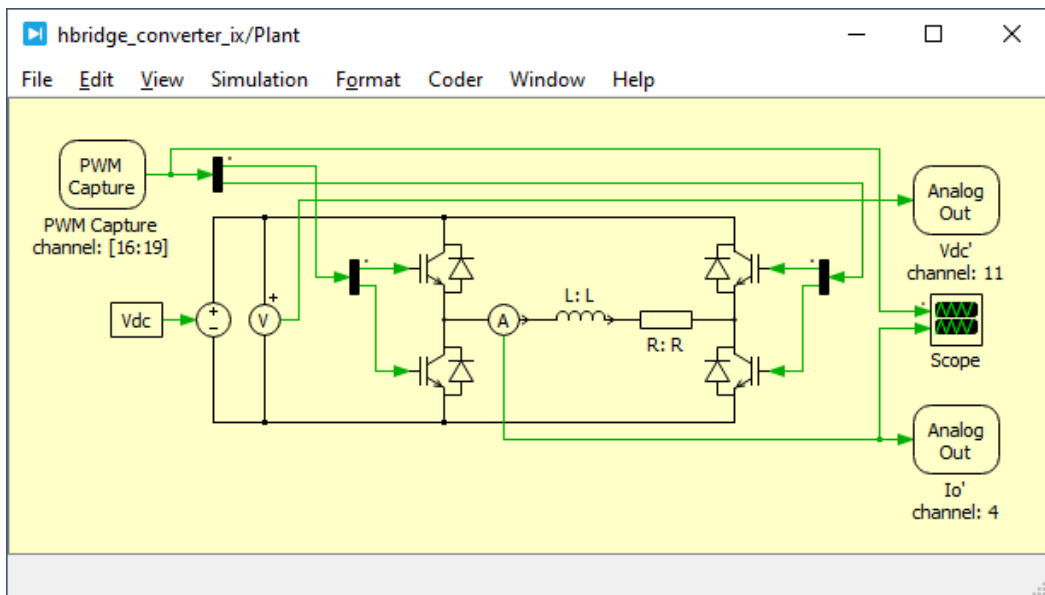
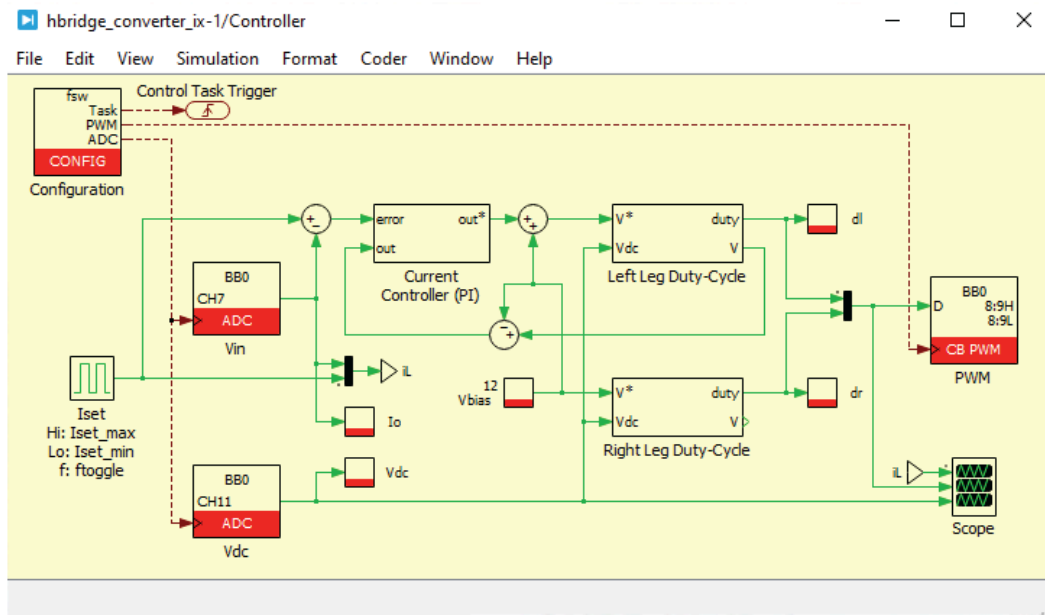
[hbridge_converter_ixDownload](#)

[boost_converter_ixDownload](#)

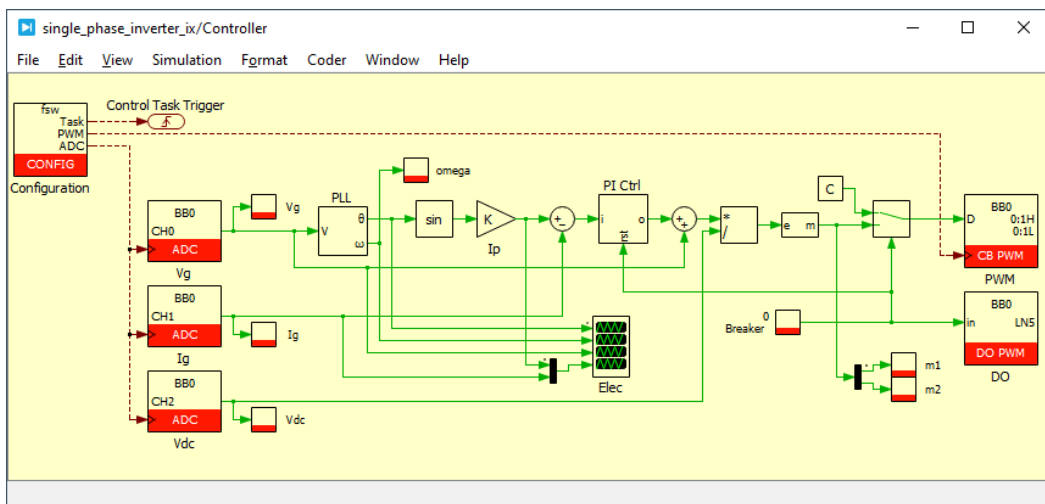
[vector_control_induction_machine_ix-1Download](#)

[single_phase_inverter_ixDownload](#)

H-bridge converter



Single-phase inverter



Boost converter

