

# FMI ADD-IN FOR EXCEL®

## ► SCOPE

- Dynamic simulation
- Integration of physical models in Microsoft® Excel®
- Design space exploration
- Batch simulation

## ► KEY FEATURES

- Support for the Functional Mock-up Interface (FMI)
- Import and simulation of Functional Mock-up Units (FMUs) in Microsoft® Excel®
- Parameter sweeps and sensitivity analysis

## ► BENEFITS

- Exploit state of the art physical modeling tools
- Easy to use spread sheet integration
- Maintain flexibility with the FMI standard

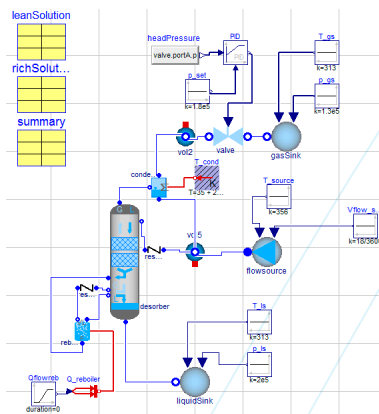
FMI Add-In for Excel® enables steady-state and dynamic simulation of physical models integrated in a spread sheet environment. Batch simulations and parameter sweeps are accessible through easy to use functions that enable users to quickly get up to speed with sophisticated model analyses.

High-fidelity physical models are valuable tools to assess system level performance and robustness in the product development design process. Parameter sweeps and sensitivity analysis can provide information and insight about the impact of component variation on system behaviour early in the design cycle. Spread sheets then provide a convenient environment to rapidly obtain design space exploration data from physical models.

The FMI Add-In for Excel® links state of the art Modelica-compliant tools, including Dymola and SimulationX, to Microsoft® Excel® through the FMI standard.

Inputs and parameters of models imported into Excel® are conveniently configured by standard spread sheet operations.

The perfect companion to the FMI Add-In for Excel® is OPTIMICA Studio by Modelon. The combination of these tools provides a complete Modelica and FMI-based tool suite that is integrated with Microsoft® Excel®.



## THE FUNCTIONAL MOCK-UP INTERFACE

The Functional Mock-up Interface (FMI) is an open standard for exchange of compiled models, targeting tool interoperability and model reuse. The FMI technology is adopted by a large number of open source and commercial tools enabling easy exchange of compiled models.

[www.fmi-standard.org](http://www.fmi-standard.org)

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**Modelon**