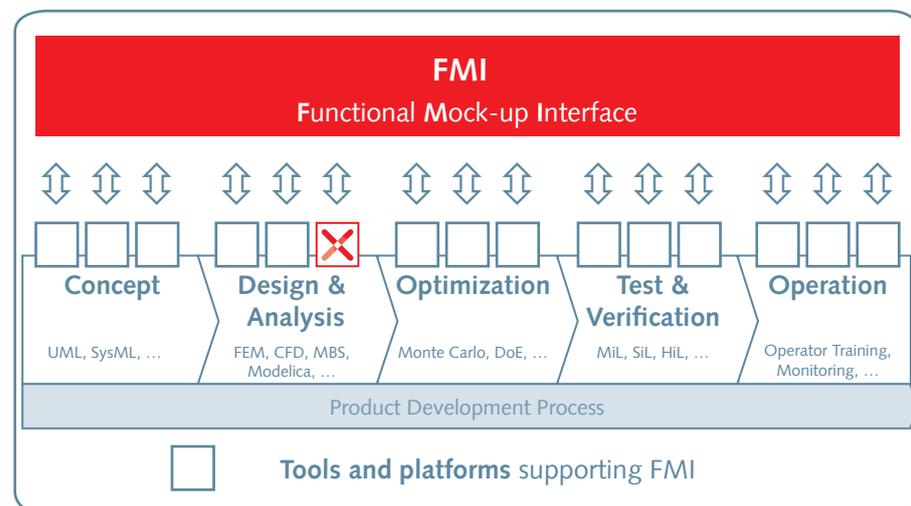


SIMULATION X[®]

Powered by ITI

Flexible Exchange of Simulation Models

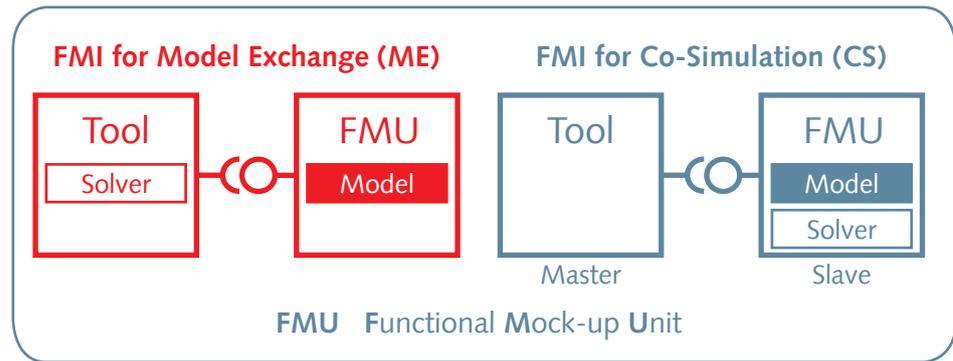
Using FMI (Functional Mock-up Interface) and SimulationX for a continuous workflow in product development



The open standard FMI allows for the exchange of simulation models between an increasing number of tools and platforms in product development. A model can be used in a variety of applications using just one standardized interface. This ensures a continuous workflow throughout the whole development process. For more information, see also www.fmi-standard.org.

Exchanging simulation models between OEMs and suppliers, for example, becomes easier with an open, standardized interface. Leading manufacturers, such as Bosch, Daimler and Siemens, work together with software companies and research institutes to ensure an uninterrupted workflow at different stages of product development with specialized tools for specific tasks. ITI is one of the main contributors in the development of FMI and takes care that SimulationX always supports FMI to its full potential.



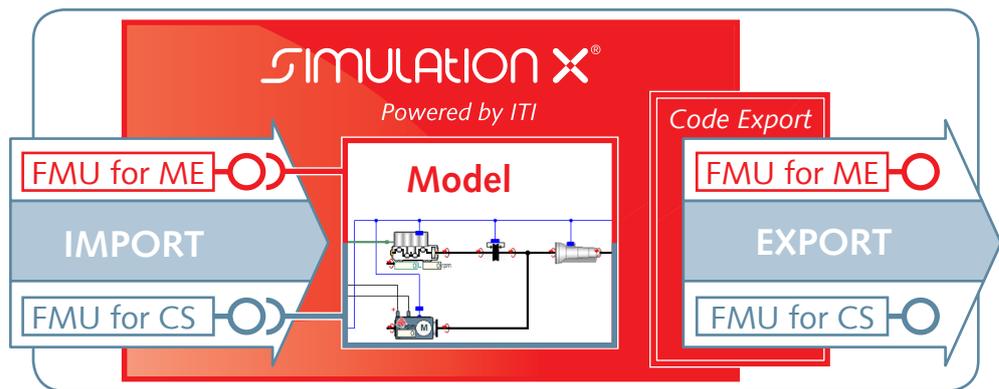


Why using FMI?

- **Tool-independent:** Developed through the close cooperation of leading CAE companies, FMI is supported by a significant number of tools and platforms.
- **Platform-independent:** With the model functionality provided as source code, the FMU can be run on any platform (Windows, Linux, ...).
- **Protection of intellectual property:** With the model functionality provided as binary, the model structure and internal parameters inside the FMU cannot be read by third parties.
- **State-of-the-art model features are supported:** Efficient and robust simulation ensured.

Full support of FMI in SimulationX

- Import and export of FMUs are supported for Model Exchange and Co-Simulation (validated through FMI CrossChecks).
- No runtime license is required for exported FMUs.
- Easy import and seamless integration into SimulationX models through a simple import dialog. No further programming is needed.
- FMU import is included in the SimulationX basic configuration.



FMI Co-Simulation Target for Simulink Coder

ITI provides an add-on for the export of FMUs for Co-Simulation from MATLAB®/Simulink®.



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