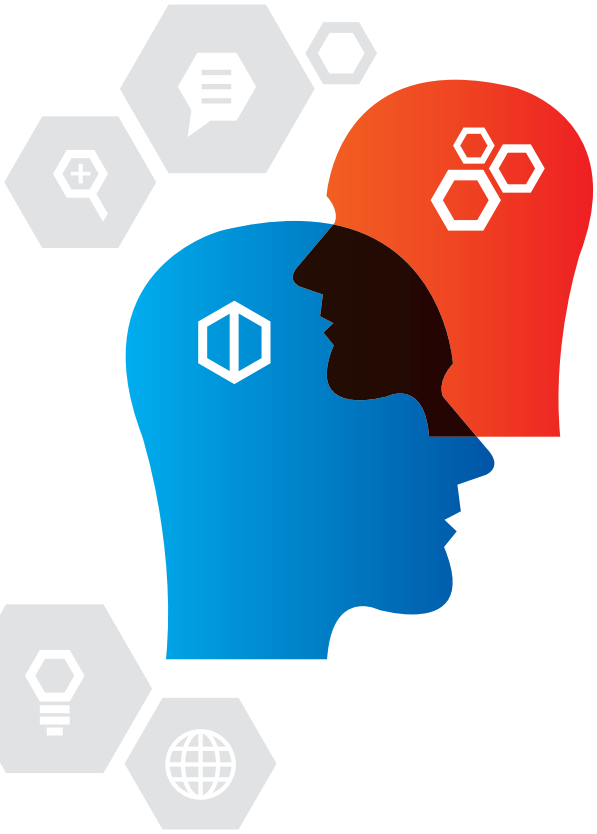
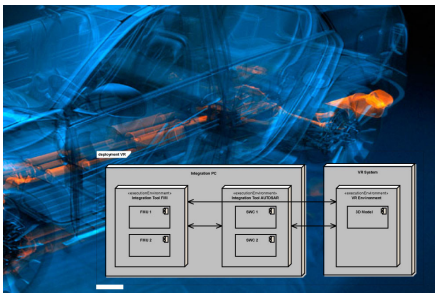
PMSF FMIBench

The Missing Link in Your FMI Strategy



Given the increasing complexity of cross-domain integration solutions based on the emerging FMI standard, there is huge potential for incompatibilities and mismatches between all the FMI-based tools in your toolchain.



> "PMSF FMIBench lets you effectively link your FMI-based simulation tools through FMU editing, debugging, pre-integration and customization."

PIERRE R. MAI; CEO **PMSF IT CONSULTING**

FMU INSPECTOR

Open individual FMUs, inspect their definitions for compatibilty and interface issues, and correct them where possible. Also allows you to rename and adjust variables, types and units for increased clarity.

PRE-INTEGRATION

Bundle multiple FMUs into one FMU to reduce integration workload for users of complex FMU networks. Improve simulation performance with automatic multi-threading of FMUs. Create Stand-Alone Simulators for Batch Simulation Projects.

DEBUGGING

Add conditional file-based logging to individual FMUs to aid in tracing of compatibility issues and integration problems even where FMI-based logging fails or is uninformative.

CUSTOMIZATION

Edit individual FMU default parameters, export or import complete or partial parameter sets, filter and hide exposed parameters to improve the user interface of an FMU. Add IP Protection Measures to FMUs with Encryption.

IT CONSULTING | SOFTWARE | DEVELOPMENT | SAFETY | SERVICES

PMSF IT Consulting

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FMIBench
Features and Capabilities

FMU Inspector
Inspect & Edit FMU Properties
Inspect & Edit Variable Definitions

FMU Pre-Integration
Bundle multiple FMUs into one
Make single FMUs asynchronous
Multi-Thread bundled FMUs
Convert Model Exchange into Co-Simulation FMUs
Stand-Alone Simulator Generation

FMI Debugging
Advanced FMU Validity Checks
Wrap FMUs with Logging/Profiling

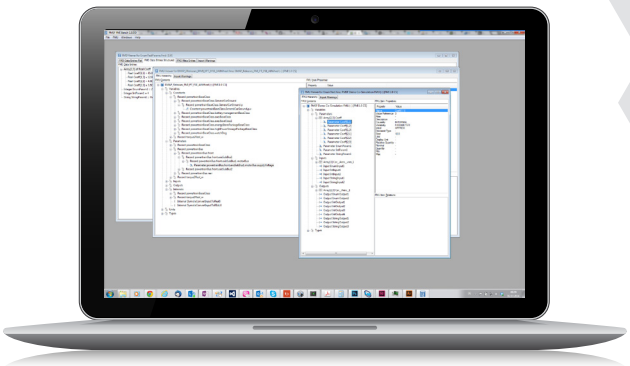
FMI Customization
Parameter Editors
Parameter Export & Import
Filter/Hide Exposed Parameters
FMU Encryption and Licensing Layer (Upcoming)

Standard Support
FMI 1.0/2.0 Model Exchange
FMI 1.0/2.0 Co-Simulation
Support for upcoming SSP Standard for Systems Interchange (In Progress)
Support for Open Simulation Interface

Platform Support
Windows 32- and 64-bit Binary FMUs
Additional Platforms in Planning

System Requirements
Microsoft Windows 7/8/8.1 32/64-bit
2GB RAM, 2GHz CPU

Licensing
Node-Locked and Floating Licenses
License Rental or Perpetual Licenses
Software Maintenance Contracts



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