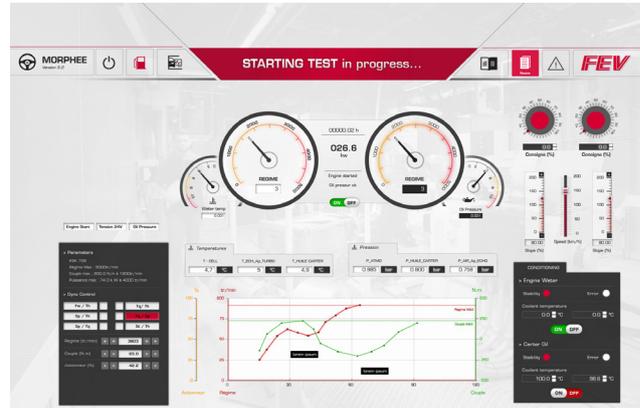


MORPHEE - Automation System

» ONE SINGLE SYSTEM COVERING
AUTOMATION, ECU CALIBRATION
AND REAL-TIME SIMULATION



MORPHEE screen

For more than 20 years, MORPHEE has been recognized as a benchmark for real-time automation of test cells under Windows. Reliable, powerful, open and scalable as it is, MORPHEE is a perfect solution for controlling your test cells as safely as can be. Whatever kind of test facility you have, MORPHEE adapts to your working methods and provides you with the latest technology, thereby reducing your development time.

Benefits

- > Universal: For automation, calibration and real-time simulation up to 10 kHz
- > Centralized: Measurements executed in parallel are synchronized between each other on one PC
- > Open: Scalable and compliant to standard interfaces of the market
- > Reliable: Your test cells are controlled safely 24 hours a day
- > Sustainable: MORPHEE 1, MORPHEE 2, Windows NT, Windows 10, Windows 7... but your test procedures can be migrated and will keep working...

Distributor

TOKYO PLANT Co., Ltd.
東京プラント株式会社

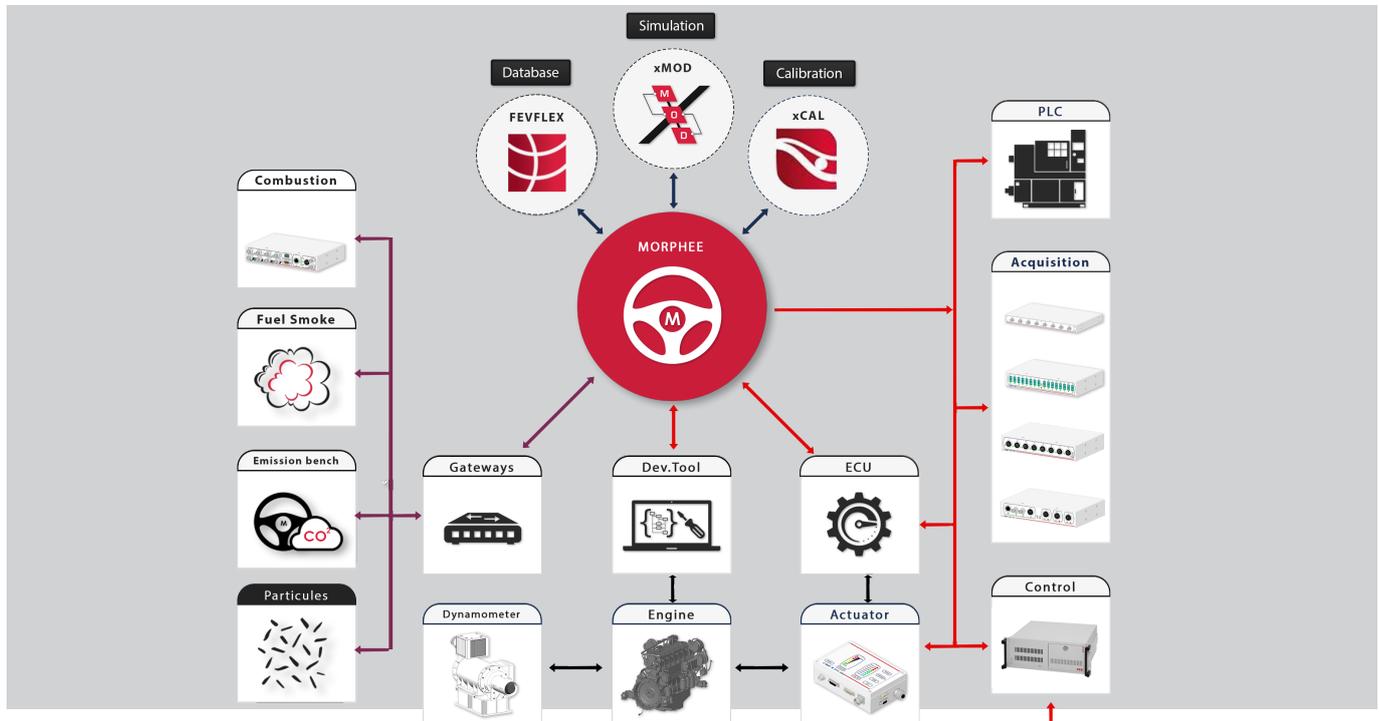
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MORPHEE - Automation System



Technical Data

Number of measurement channels	Up to about 10.000 channels - Multifrequency (3 groups)
Real-time kernel *	RTX 64, RTX 2011, Typical: 1 kHz (up to 10 kHz for real time models execution)
Automation language	Object oriented writing: opcodes, scripting, graphical programming
GUI	Unlimited; library of custom screen instruments...
Number of real-time PID loops	32 loops
Real-time calculation channels	Mathematical or statistical calculations, signal post-processing...
Parallel tasks	100 tasks
Number of look-up tables (LuT)	50 LuTs in 1D, 2D, 3D format
Parallel results files	32, multi formats
Physical screens	4
Access rights	Multiple profiles, multiple users
Dictionaries	Dictionaries of units, channels, formulas...
Calibration of inputs and outputs	Quality assurance of measurements according to ISO17025
Quality assurance of measurement database	MS Access, MS SQL Server
Formats of result files	ASCII, ATF, MDF, MBF, custom...
ASAM ** Standards	MCD3, XCP, ODS, CCP, ACI 1.4
Supported communication interfaces	EtherCAT, Profibus, AK, DCOM, INDI, CAN, Modbus, GPIB, RS232, TCP/IP...
Real-time simulation	Matlab/Simulink®, AMESim®
Operating system	Windows 10, Windows 7 - 32 bit, 64 bit
GUI languages	French, English and German

* RTX = Real time plug-In developed by the company Interval Zero®
 ** ASAM = Association for the Standardization of Automation and Measuring Systems

Technical specifications may be modified without prior notice.

FEV42017-MORPHEE