SPHEREA

CORPORATE SOCIAL RESPONSIBILITY

Making critical systems
more secure and reliable for a safer world

Participatoing in innovation
having a positive impact on the environment

Acting in kindness

Developing and transmitting

Ensuring business ethics

Involving our stakeholders
partners & shareholders

A E R O S P A C E

U-TEST®

Simulation Platform

spherea.com

SPHEREA

U-TEST® Simulation Platform

U-TEST® the software solution that helps you optimise your model development.

Full continuity of validation process, from design to final acceptance.

Continuous re-use of Test Procedures

U-TEST® Specification Design Development

Real Time engine

MATLAB Simulink Integration

FMI 2.0 / 3.0

Full Continuity of validation on process, from design to final acceptance
Continuous reuse of the test procedures

Performance and modularity
U-TEST, the test «toolbox» for complex simulations

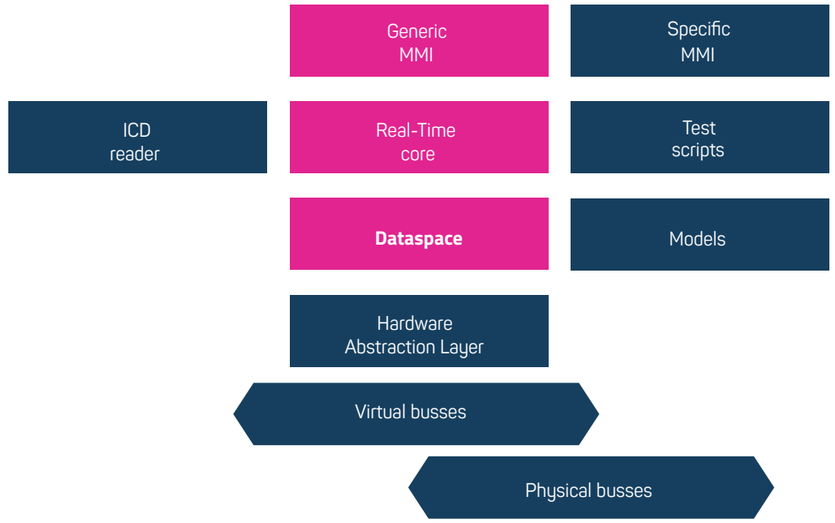
Design and integrate models
Matlab Simulink model integration
FMI 2.0/3.0 compliance
C, C++

Monitor and debug
Operate multiple table views and graphs
Inject faults to test the limits of your simulation
Start, pause and resume the runtime engine

Script to automate
Embedded Test Framework
Open APIs (Python, C, C++, .NET, Java)
Get XML, HTML reports

Record and analyse
Real time recording capabilities
Analyse HDF5 records

Architecture Overview



An optimised and efficient core

Opening and modularity guaranteed by plugins

Advanced features

Design you own GUI with multiple types of widgets

Customize the internal schedular to improve performance

Operate the simulated time feature :

- to reduce simulation duration
- to troubleshoot issues

U-TEST® CONSORTIUM

Source code shared within the community

Enrichment of the product by technical experts

Fully-autonomous implementation of test means

HIL Capabilities

Wild range of instruments

Large library of signals, busses and protocols available (DIO, Analog, CAN, A429, AFDX, etc...)