



Making critical systems
more secure and reliable for a safer world

Participating 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



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



✓ 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

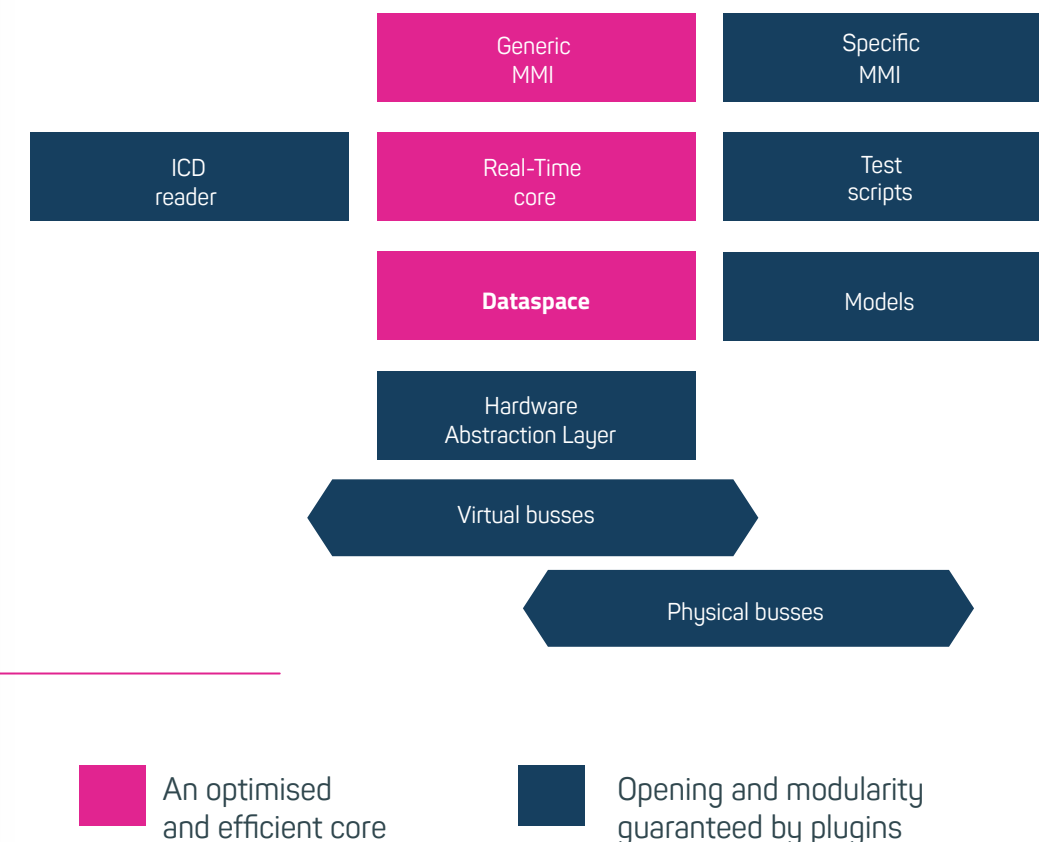
✓ Design and integrate models Matlab Simulink model integration FMI 2.0/3.0 compliance C, C++

✓ 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



✓ Advanced features

Design you own GUI with multiple types of widgets
Customize the internal scheduler 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...)