



MAGALI

Acquisition, Analysis, Communication

- MAGALI is a directly test oriented software, designed for data processing and analysis in real time and post processing. This product is easy, complete and comprehensive altogether, to meet all test engineer requirements : organisation and test configuration, visualization and real time processing, replay, post processing and test report... . **Complete, powerful...an invitation for test!**



MAGALI

MAGALI is in the core of telemetry acquisition systems, multisource systems generating avionic digital buses (ARINC429, 1553,...) or automotive (Can, FLEXRAY) and data analysis systems.

With its network distributed architecture **MAGALI** solutions can be deployed and scaled up with almost unlimited performances.

Functionalities

Real time

- Test organisation
- Test configuration
- Control of real time acquisition systems
- NDA (Network Distributed Architecture) monitoring
- Visualization
- Real Time processing
- Alarms

Post Processing

- Data Import/Export
- Graphic analysis
- Functional analysis
- Point search
- Mathematic processing
- Signal processing
- Statistic processing
- Digital Filtering
- Test reports
- Test playback

Outils

- Graphic editor
- Macro-commands
- Development toolkit
- Scheduler
- Check-list

Performance

- Multi sources
- Multi platforms
- Many tools
- Distributed architecture
- Multi-users
- Multi-languages

Modularity

- Telemetry: CE83, IRIG, CCSDS/TM5
- Bus: 1533, ARINC 429, DIGIBUS, CAN
- Ethernet: AFDX, IENA, Specific
- Serial
- Analog, Counter, Discrete
- Video, Voice



**MARC
FAJARDO**

Technical Manager

"We are doing our best to meet our client's most complex requirements.

In this context, MAGALI offers a real application : powerful and simple altogether, a perfect tool for all test facilities".

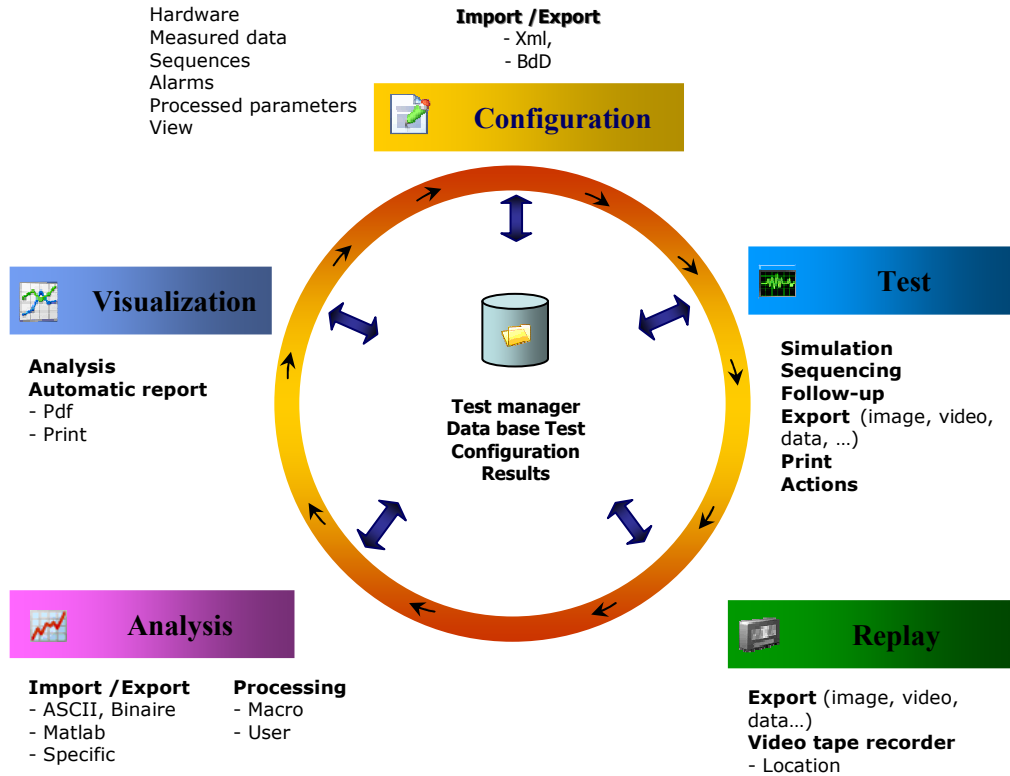
Services

- Setup/training (on site)
- Validation
- Maintenance
- Specific add-ons

Partners



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Organisation and test preparation

Tree diagram files & directory management, easy management for multiple tests, test distribution on network, save tests on different formats and media (zip, DAT,...).

Configuration of the monitored equipments in acquisition and generation, definition of the storing and acquisition conditions, definition of real time processing, alarms and visualization, import/export, configuration for automatic preparation.

Real time test

Data handling and preliminary analysis, acquisition validation, raw data display, data Import/Export (ASCII, binary, Matlab, specific, format).

Synchronization and monitoring of acquisition and generation systems, generation of processed channels, outputs and distribution on network, alarm and action triggering on condition, real time data visualization and processing.

Automate

Powerfull Macro-language included, easy to use Macro Debugger, allows automating completely complex processing sequences.

Analysis

Search of particular points, mathematic and signal processings Digital filtering, statistic processings, specific processings.

Visualization

Many display formats for data and graphic processings, visualization according to time or according to other signals, multi-axes, multi-frame marks, charts, cursors, loop with advanced functions, test report edition, possibility to add comments, mimic diagrams can be customized with a user friendly Graphics Editor.