

MAGALI

INTEGRATED SOLUTIONS

Data analysis and processing

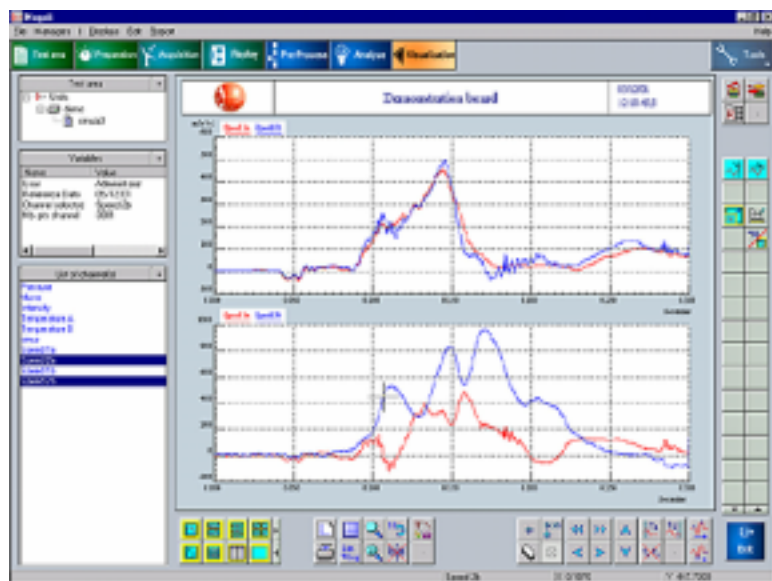
MAGALI is a directly test oriented software, designed for data processing and analysis in real time and post processing. This product is easy, complete and comprehensive altogether, to meet all test engineer requirements : organisation and test configuration, visualisation and real time, replay, post processing and test report edition.

Advantages

- Simple
- Complete
- Efficient
- Flexible
- Open
- On the shelf
- Customizable
- Automatizable
- Unique environment

Performance

- Multisources
- Multiplatforms
- Multilanguages
- Multiusers
- Numerous tools
- Real time functions
- Post processing functions



Magali software : key points

- **Real time and post processing**, the user always works in the same environment.
- **On the shelf**, MAGALI is ready immediately after installation.
- **With its numerous tools**, MAGALI can be completed and customized to meet a specific application.
- **Communicating product**, it is easy to import and export data with standard or specific formats.
- **Optimised communication** with other workstations in real time and post processing, with the networks structure.
- **Modular product**, MAGALI can be used as the core of varied acquisition and generation systems : telemetry, analog and digital signals, avionic buses, network, digital buses.
- **Multisource product**: acquisition and synchronization of several acquisition sources.
- **Multiplatform products**, MAGALI is available with Windows XP/2000/NT, Windows CE, UNIX (HP, SUN, SGI, IBM, DEC), LINUX, VXWORKS.
- **Multilanguage product**, MAGALI is available in English, French and Chinese.



MAGALI

Data analysis and processing

Real time functions

- Test organisation
- Test configuration
- Monitoring of real time acquisition systems
- Network monitoring
- Visualisation
- Real time processing
- Alarms
- Test replay

Post processing functions

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

Tools

- Graphic editor
- Macrocommands
- Development toolkit
- Scheduler
- Check-list

Description

MAGALI is organised in a set of different work contexts, in order to respect the different test steps : from preparation, running, analysis, visualisation, up to test report.



Test organisation

- Tree diagram structure.
- Easy management for large number of tests.
- Test distribution on network.
- Save tests on different formats and media (zip, DAT, ...).



Test preparation

- Configuration of the equipment monitored in acquisition and generation.
- Definition of the storage and acquisition conditions.
- Definition of the real time processings, alarms, and visualisations.
- Configuration Import/Export to automate the preparation.



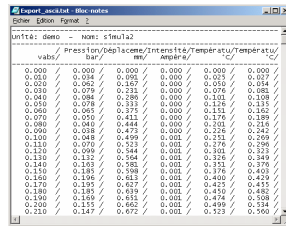
Real time

- Synchronisation and monitoring of acquisition and generation systems.
- Generation of processed channels, outputs and network distribution.
- Alarm follow up conditions and actions if necessary.
- Visualisation and real time functions



Replay

- Works with data already acquired.
- Same functions than real time.
- Video tape functions monitoring : fast slow speed, pause, ...



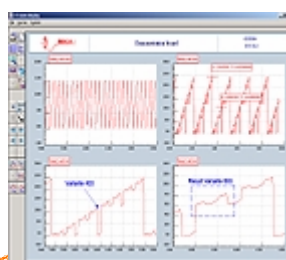
Pre-processings

- Data manipulation and preliminary analysis.
- Acquisition validation.
- Raw data display.
- Data Import/Export (ASCII, binary, Matlab, specific formats).



Post Processing Analysis

- Search of particular points.
- Mathematic and signal processing, digital filter.
- Statistic processings.
- Specific processings.



Post Processing Visualisation

- Several data display format and graphic processings.
- Visualisation according to time and to other signals.
- Multi-axis limits, multi-frames, charts, cursors, efficient zooms.
- Test report edition, comments.
- Customizable graphic displays.

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