

Services

- Design of test systems for industry and research laboratories
- Software development (LabVIEW)
- Test equipment integration and installation
- Cabling schematics and build
- Technical documentation French/English
- Technical assistance and maintenance

Competences

- LabVIEW, LabVIEW Real Time and LabVIEW FPGA development
- Measurements, data acquisition and analysis
- Uncertainty calculations
- Physics topics: solids, sensors, thermodynamics, magnetism, Newtonian mechanics
- Semiconductors/MEMS testing
- Wafer test systems for Electroglas 2001cx, 4090μ+, Accretech UF200 probers with mapping capabilities
- Digital signal processing / vision systems
- Motion control
- Statistical process control (6-sigma method)

References :

- Schneider Electric (Grenoble, France)
- Sensitec Naomi (Mainz, Germany)
- CEA - LETI (Grenoble, France)
- TEAMLOG (Montbonnot, France)
- JEM Europe (Montbonnot, France)
- International Test Solutions (Reno, USA)
- Mesatronic SA (Voiron, France)



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www.solutest.com



An expert at your service

Solutest develops software for automated test equipment (ATE), data acquisition, data analysis and automatic control.

We are an engineering company specializing in physical measurements and LabVIEW system integration.



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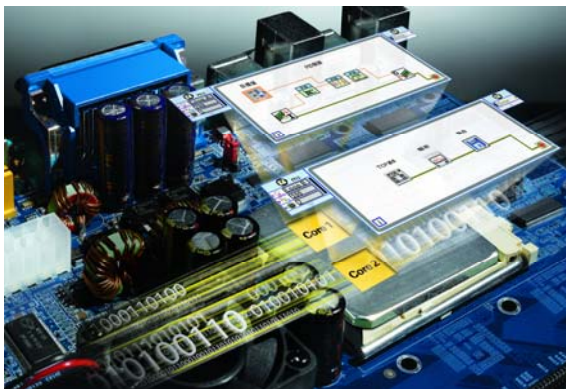
TEST - MEASUREMENT – AUTOMATIC CONTROL - LabVIEW INTEGRATION

Service up to your expectations

Built from easily available off-the-shelf components, the systems we design for our customers are open, scalable, upgradeable and easy to maintain.

We interactively work with you to thoroughly define system functionality, inputs/outputs, operator interface, analysis, and reporting needs.

Thanks to our “know-how” and experience in industry and research laboratories we guarantee a custom solution that will closely fit your needs in terms of functionality, cost and delivery time.



Our goal is to provide a flexible and proactive service to make sure you will be 100% satisfied.

Specifications : Design and expertise

Whether you need to develop a new test system, understand and measure a physical parameter, automate and control your test process, we have solutions to provide:

- System specifications and requirements review
- ATE architecture and design (sensors selection, actuators, I/O boards, instruments)
- Measurement precision, accuracy and uncertainty calculations



Development process

- Software development under LabVIEW environment
- Code optimization, software testing, installer creation
- Deployment and test of final system
- User and programmer technical manuals

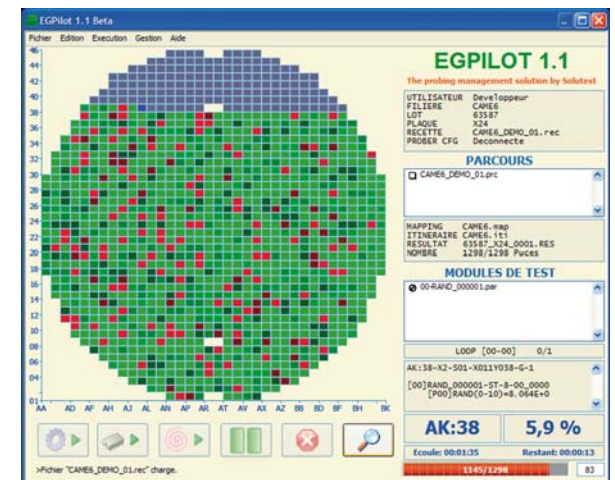
LabVIEW, an industry standard...

This graphical software delivers the same performance and flexibility as traditional programming language such as C, but it offers multiple advantages, including :



- Multi-platform (PC, MAC, PXI chassis, Real time target, FPGA, PDA, Field Point)
- Development time reduced by 2x or 3x which also reduce the total cost of the project as well.

These are the reasons why we choose LabVIEW to develop our customers' systems.



*Electrogas semiconductor Prober control software with wafer mapping and zoom capability.
Test modules are dynamically loaded from the form of LabVIEW plug-ins to make new product testing routines development easy and convenient.*