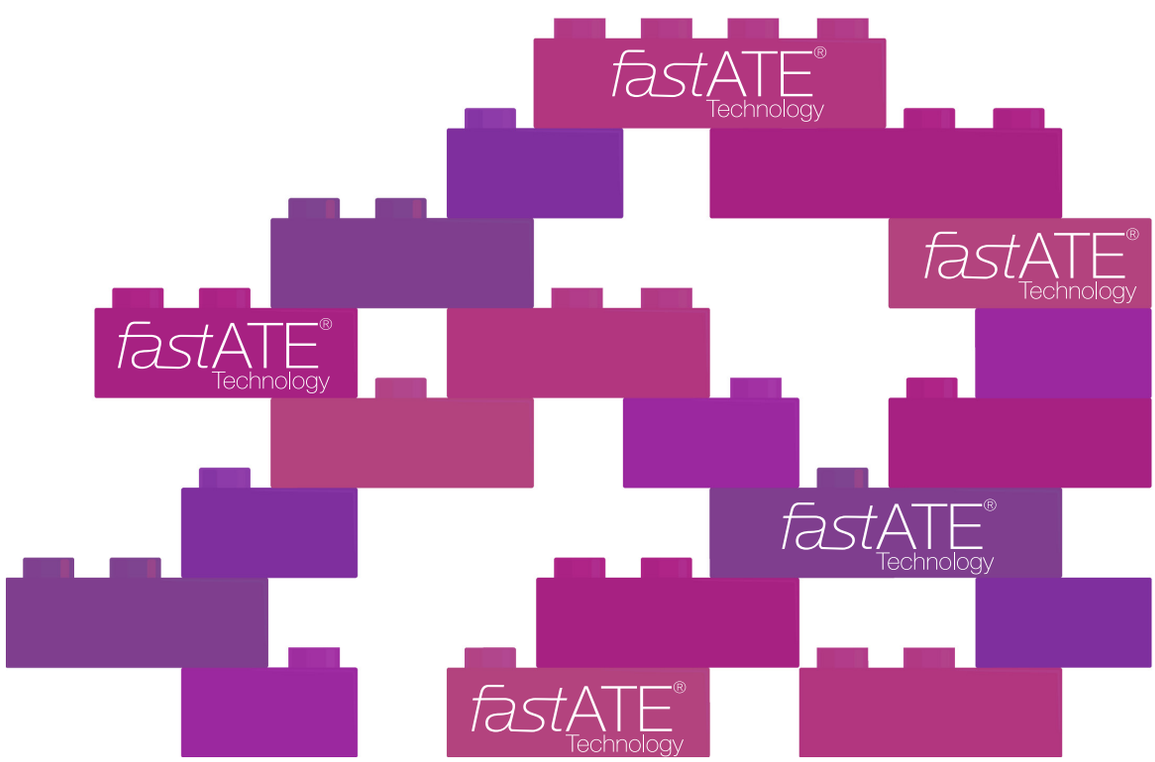
DFT
DESIGNED FOR TEST
PART OF MG-PRODUCTS

Modular ATE

Sistel Group

The company



Testimonials:

“Vestel and 6TL have built a strong and professional cooperation that secures the success of the delivery of the 6TL33 world class test handlers; dedicated people from both companies make this project possible.”

Gursel Aykol,
Test Manager at Vestel

“The flexible and modular 6TL test system concept makes it easy for us to design and implement turnkey test systems to our customers. 6TL is a great partner for CIM and adds a huge value to our solutions.”

Morten Pedersen,
CIM Industrial Systems A/S
Gold NI Alliance Partner

“With all of our production outsourced, it is difficult to ensure the best test quality in our providers. We adopted the customized 6TL-22 RF platforms last year. Since then, we have improved our test quality (providing further test capabilities to our RF products), flexibility (allowing us to change products between platforms with no cost), control (better traceability of tests results and time), and autonomy in test development thanks to LabVIEW and 6TL module integration.”

Jordi Rifà,
Process Engineer,
JCM Technologies

With *fast*ATE®, you keep it simple

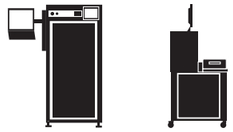
Today's test engineers need to focus on product testability and test processes; they are managing several projects in parallel, most likely on a tight schedule. But above all, to determine the best ATE architecture, they must consider its hidden maintenance costs, the true modularity of the system, and its long-term maintainablity.

With 6TL's fastATE® technology, test engineers do not have to address the recurrent tasks of every project since a 6TL module already completes most of these tasks for them. This module is a high-level block that covers one needed recurrent function of the ATE.

Test engineers used to manage the instrumentation, will now manage the parts to build up the ATE in the same way. All the knowledge about automation, securities and standards, is already fulfilled by a 6TL module.

Do not start the design of your ATE from scratch **anymore!**

Choose between InLine or OffLine



Add 6TL modules

...

and YAV modules

...

Last step will be to add the measurement instrumentation.

Reduce your overall ATE development **time by 70%**

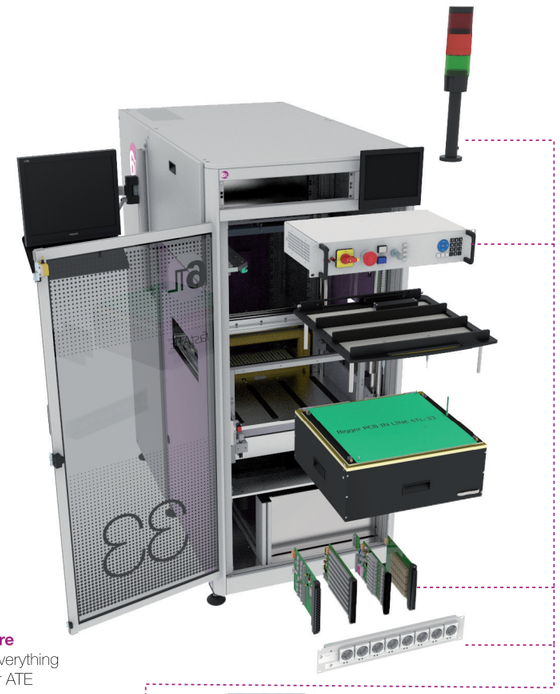
6TL is a top test solutions provider for electronics device manufacturers worldwide.

“We have redefined the way ATE integrators build their systems. Using commercial off-the-shelf (COTS) hardware and software blocks, integrators can shorten project delivery and build cost-effective, reliable solutions.”

David Batet
6TL CEO

6TL is pioneer in applying the modularity concept to the design of Automatic Test Equipment for electronics products.

The *fast*ATE® technology is the core to develop turn-key solutions that are trully **modular**, **scalable** and **flexible**, and thus we help to make the job of both, the test engineer and the budget manager, much easier.



Develop your ATE using **intelligent high level blocks** (modules!)

- 6TL modules
- YAV modules

Same software platform for everything involved in your ATE

*fast*ATE Technology

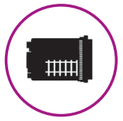
6TL's Supply Scope

Depending on costumer requirements, our supply scope range from individual modules to fully automated turn-key systems.

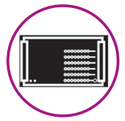
Test system consultancy, specification and project management.

Close collaboration with customers team is key when starting to fit the FastATE technology into their processes.
PMI certified project managers will take care of every project.

Products for the integration of ATEs



YAV Modules
Switches, Muxes, Matrixes, for HF and LF
Digital & Analog I/O
JTAG I/O
Color measurement, Pneumatic subsystem
Communication interfaces
Passive interface



6TL Modules
Power management safety devices
HV switching
Beacons, Temperature & humidity measurement

Test Racks
Prepared for test environment
VPC receiver
Bench top, half rack, full rack
From few HU, up to 38 HU

Test Handlers
For small PCBs up to big PCBs
Single operation or group operation

Integration of Test systems and fixtures

Skilled workshop technicians with expertise in instrument integration and associated wiring.
Build to print knowledge.

After sales services

Installation of systems according to our guidelines and standards to secure the start of production date.(SOP)
Preventive maintenance plans.
Customer trainings according to customer needs.
Available spare part kits according the agreed 6TL warranty terms.
Fast repair services.

Who benefits the most from FastATE technology?

Companies who are looking for a true modular base test solution and want to maintain control over the delivery time, quality, support, and compatibility of their end products.

Test software engineers who need to focus on their software development expertise, but still want to be able to supply a turn-key test solution.

Integrators who sell turn-key test solutions and want a high quality, efficient, modular, base test platform with a short delivery time. Our systems come with complete documentation and CE certification so that the Integrator can focus on his expertise, developing turn-key test solutions

Our products are helping our customers to reduce their overall cost when integrating test systems.

6TL Modules

YAV Modules

fastATE® Technology

Company profile

Company Name:
S.A. Sistel

Brand:
6TL Engineering

Country of ownership:
Catalonia, Spain

VAT Nr:
A08768434

Established date:
1982

Phisical Address:
Solsonès , 89
08211 Castellar del Vallès
Barcelona , Spain

Phone nr.:
+34 937 270 074

Website:
www.6tl.es
www.sasistel.es

Email:
info@6tlengineering.com

TÜVRheinland CERTIFIED
Management System
ISO 9001:2008
ISO 14001:2004
www.tuv.com
ID 9105074594

History

S.A. Sistel was founded in1982 as an engineering team developing electronic products. In 2007 the brand 6TL was born together with a new business division to promote the Fast ATE Technology.

Mission

6TL's mission is to supply innovative and modular test solutions to electronics device manufacturers worldwide, so that they can develop the most efficient and productive ATEs.

Our core values

- Innovation
- Involvement
- Customer focused (CUSTOMER)
- Efficiency

Key figures

More than 30 years of experience in test engineering and electronics production.

Continuous increase in turnover every year since 2007.

Multidisciplinar team of 25 engineers, with expertise in mechatronics, vision, RF, instrumentation and control.

More than 10.000 customer projects done.

ATE production capacity (Build to Print) of 200 systems per year.

Certifiied NI LabVIEW programmers, C++ developers and PMI project managers.

NATIONAL INSTRUMENTS Silver Alliance Partner

PMI PMP®

+100.000 products
for ATE around the world

Exporting to
5 continents

+30 years
in test & measurement

A network of partner companies are able to support 6TL products and solutions worldwide.

6TL Partners wolrdwide:
Austria, Belgium, Bulgaria, China, Czech Republic, Denmark, Estonia, Finland, France, Germany, Hungary, India, Indonesia, Ireland, Israel, Italy, Japan, Luxembourg, Malaysia, Mexico, Netherlands, Norway, Philippines, Poland, Portugal, Romania, Russia, Serbia, Singapore, Slovakia, Spain, Sweden, Switzerland, Taiwan, Turkey, Ukraine, United Kingdom, United States, Vietnam.

We are supporting you

Modular **ATE**

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