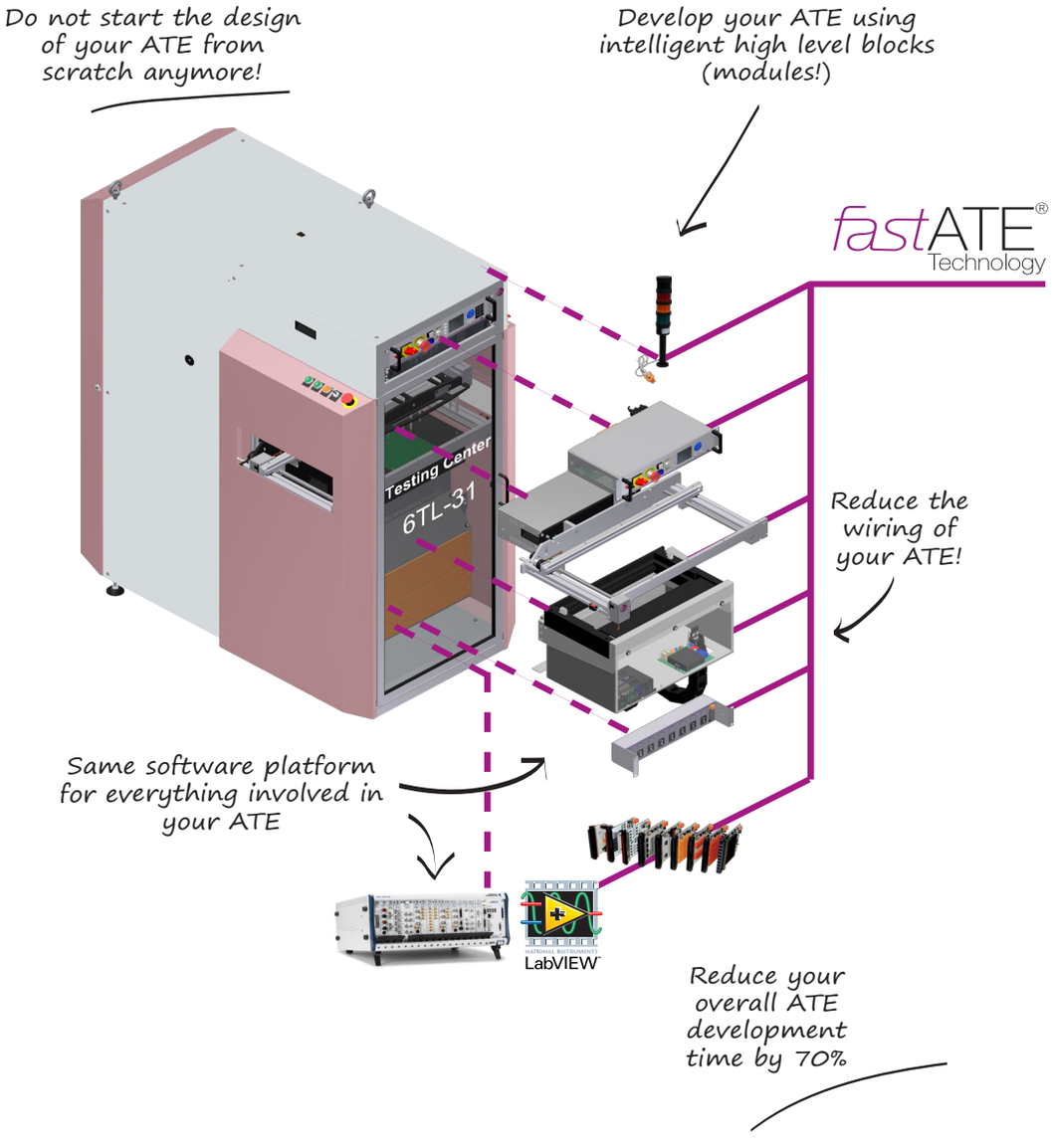
fastATE® Technology

Speed up the integration of your ATE

fastATE® Technology is a technology developed by 6TL that enables ATE (Automatic Test Equipment) developers to build their ATE up to 70% faster in a more efficient and modular way.

6TL fastATE® Technology provides all the building blocks needed to turn your instrumentation into a reliable and efficient ATE system in any size or form for any desired speed and budget.

- Off-the-shelf modular approach for recurrent ATE Functions
- Standardize, while maintaining the flexibility for non standard tasks
- Use scalable and Modular technology
- Design with a proven architecture
- Reduce engineering costs and still add value
- Create ATE documentation instantly
- Shorten your TTM up to 70% using COTS components.



Why fastATE® Technology?

The Success of the modular approach

The biggest advantage of Modularity in PXI systems is that you are using a hardware architecture that can scale with your changing testing needs.

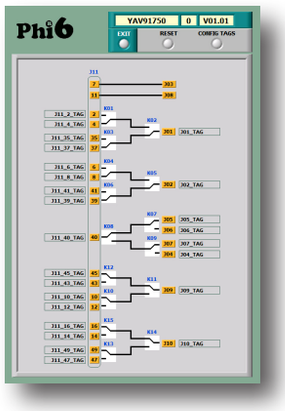
This makes it easy to configure a measurement system that is flexible and future proof. This modular approach has proven itself to be very successful over the years.

So why not use the same approach in selecting and building your full ATE? The solution is fastATE®.

6TL has developed a modular system with intelligent building blocks to create your ATE similar to how you build and configure your PXI measurement rack.

Important part of the fastATE® concept is the use of a high quality Mass Interconnect System. This is the only way to guarantee a reliable interchangeability of test fixtures (ITA's) over time. One bad interface connection creates false rejects and can stop your production.

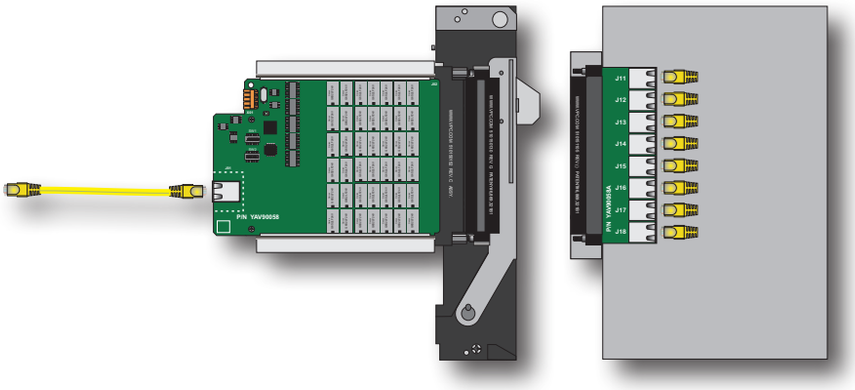
LabVIEW driver available for every 6TL module



ATE Mass interconnect full of 6TL modules

Signal integrity: an unrecognized cause of errors.

Adding a Mass interconnect to our concept also made us think about the disadvantage of the added cabling between instrumentation and the actual Mass Interconnect interface. This additional wiring brings an unwanted side effect. In case of switching signals these extensive cables and cable lengths can lead to very long overall signal paths between UUT, the Switching board and the actual measurement instrument causing signal integrity problems and adding complexity to the system and diagrams.



With fastATE® this problem is solved thanks to a range of Modules that will interface directly with the Mass Interconnect receiver, leading to no wires between the instrument and the receiver and very short wires inside the test adapter leading to greatly improved signal integrity inside the entire test platform. fastATE® enables the engineer to do the switching configuration inside each test adapter, optimizing it for every test application.

Recommended sites for more information:

www.6tl.es/6tl/**fastate**

www.6tl.es/6tl/**modules**