

Solutions for telecommunications and high-tech electronics

Defining, developing, and implementing innovative
test solutions throughout the product lifecycle



Situation critical: Accelerating time-to-quality and time-to-market

- Electronic products are becoming ever more complex, calling for more design iterations and greater test capacity.
- In order to remain competitive, high-tech OEMs need to speed up launch and New Product Introduction (NPI) cycle times, without sacrificing product quality.

Under these combined pressures, many electronics and communications OEMs have decided to refocus on core strengths and outsource certain test engineering activities, in order for test to remain a strong link in the value chain. This allows them to trim fixed costs, while maintaining access to flexible capacity that scales up or down with changing needs.

That's where Avera comes in.

As a 'pure play' test engineering company, Avera will help you **define, develop, and implement innovative test solutions throughout the product lifecycle**, helping you reduce NPI cycle times, shorten test times, and accelerate all test engineering activities. Avera will complement your resident test engineering team with a set of proven test and measurement automation solutions, an off-the-shelf enterprise test software platform, and on-demand services tailored to your specific challenges.

Expertise tailored to your needs

Avera's expertise is built on delivering turnkey test automation solutions with comprehensive project management capabilities throughout the design lifecycle of your products, for various types of tests:

- **Design and firmware validation testing**
 - Pre-functional testing
 - In-Circuit Testing (ICT)
 - Flying probe
 - Boundary scan
 - Automated Optical Inspection (AOI)
 - X-ray
- **Functional testing**
- **System testing**
- **Burn-In and Life testing**

Avera responds to the evolving needs of **communications, optics, wireless, and high-tech device makers** by providing them with sophisticated test software and hardware solutions to deal with product complexity, accelerated New Product Introduction (NPI) cycle times, and the rigors of mass production.

“The main advantage of relying on a test engineering arm such as Avera is clear. Our long-term technology partnership enables us to manage our own test productivity.”

Rich Weber
Vice President of Operations
OpVista

Delivering maximum test productivity: Off-the-shelf test software and solutions

> Proligent™

The Test Engineering Platform™

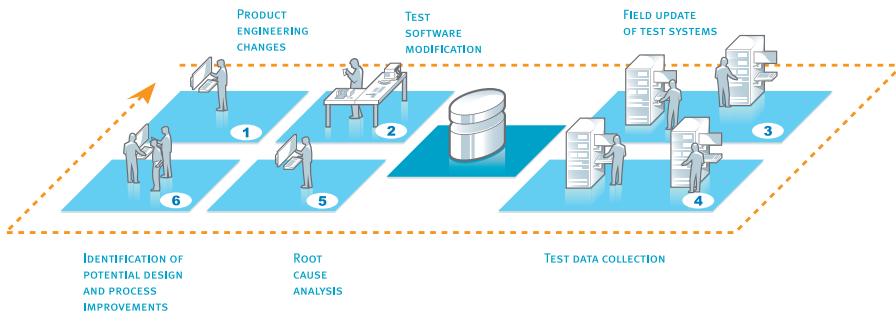
For communications and electronics OEMs, Proligent is a professional, enterprise-level solution that integrates many of the functions required for manufacturing and test, including **advanced data management, system configuration, test automation, and real-time web reporting.**

Proligent guarantees **test process control, assembly tracking, and visibility** over manufacturing. Proligent is a foundation for scalability that smoothes the transition from NPI to high-volume manufacturing.



“Without adding overhead to test development, Proligent allows us to supervise, control, and trace our products anywhere our test stations are located.”

Denis Gagnon
Manager, Test Engineering, Harris Stratex



On-demand services from a trusted test engineering arm

In a high-tech environment where only the top-performing succeed, you need a reliable partner with test engineering as its core expertise. Avera will provide an objective, third-party outlook on your test requirements, and will help you develop, maintain, and support an internal and external test infrastructure that is fully portable.

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> URT™ (Universal Receiver Tester)

The URT is a revolutionary, multi-protocol solution that generates analog and digital public broadcast signals compliant with the most common standards in use worldwide. It includes software toolkits with intuitive interfaces for signal types such as AM/ FM, RDS/RDBS, Sirius, XM, DAB, IBOC, TMC over RDS, DARC, audio, video, and GPS, and is setting a new standard in RF and telematics testing.



> RF Signal Record & Playback System



Based on the URT platform, this solution dramatically reduces field testing during the validation phase. It is the most compact system for in-vehicle RF recording on the market today.

> Laser Burn-In, Life Test, and Qualification systems

Avera's Photonics Burn-In & Life-test systems provide modular, tightly-controlled temperature environments for testing photonic components, including lasers, multi-chip edge emitters, VCSELs, photodetectors (both PIN and APD), transmitter and receiver modules, tunable gain-controlled devices, and more. The systems are versatile, and can support up to 128 temperature zones.

Support throughout the Automated Test Equipment (ATE) lifecycle:

- Requirements analysis, test plan definition, and documentation
- ATE architecture and design
- Software development
- Hardware design, instrument selection, and integration
- Test system integration and validation
- Test station build-to-print and duplication
- Technology transfer, deployment, and training
- System support and maintenance

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Averna is a global test engineering solutions company, and a strategic partner for innovative OEMs. Averna empowers high-tech manufacturers to accelerate electronic product development, achieve superior quality throughout the design lifecycle, and maximize productivity.

One of the fastest-growing companies in North America, only Averna combines off-the-shelf test software and systems, award-winning instrumentation and communication solutions, and decades of R&D and best practices expertise to help its clients stay ahead of the competition.



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