

Company profile

Accelerating electronic product development
and improving quality standards throughout
the design lifecycle





*A test engineering company
for today's manufacturing
environment*

- Electronic products are becoming ever more complex.
- Launch cycle times are getting shorter.
- The manufacturing environment is becoming increasingly competitive.

Under these combined pressures, many high-tech 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 production 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 Averna comes in. Averna's mission is **to accelerate electronic product development and improve quality standards** for innovative high-tech manufacturers in electronics, telecommunications, automotive, aerospace, and defense, throughout the design lifecycle of their products.

www.averna.com


measure. improve. succeed.



Test Engineering

Designing, building, deploying, and maintaining test systems worldwide

Rely on Avera to help you accelerate R&D and New Product Introduction (NPI) with a **full suite of test and measurement services and advanced solutions.**

“We have rarely witnessed such commitment to achieve ongoing growth and success.”

Don Roberts
CSIA Auditor **Exotek**

Expertise in design validation, pre-functional and functional testing, control and measurement automation, and test station duplication makes Avera the one-stop solution that you're looking for.

What differentiates Avera?

- **Proven, off-the-shelf solutions**
Clients rely on Avera's software and hardware solutions for RF signal testing, test data management, and military protocol compliance.
- **Vast knowledge and experience**
Avera's expert engineers have extensive experience dealing with the most complex test systems, under the most demanding conditions.
- **Global pool of on-demand resources**
With branches and partners across North America, Europe, and Asia, Avera is ready to mobilize an engineering force wherever you need them to be.
- **Strong technology partnerships**
Avera has forged relationships with pioneers in virtual instrumentation and test & measurement hardware, remaining at the cutting edge of technology.
- **Rigorous processes and recognized quality standards**
Avera's engineering processes meet stringent ISO, CSIA, and Controlled Goods Program standards, and are continually being strengthened.

Broadband

Industries ➤

Avera helps broadband product developers, certification bodies, and services providers verify their devices and networks for compliance with DOCSIS and other protocols, in data-over-cable applications and beyond. They use Avera's automated test solutions to gain efficiency throughout the product lifecycle.



Proligent® Enterprise Test Software

A professional solution for advanced data management, process control, and web reporting

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.**

Combined with a test executive such as NI TestStand™, 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.



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Maximize the impact of test on product success

Measure. In order to make intelligent choices, you need a way to **accurately measure product quality and performance** across all test activities. Avera will help you devise a **global test strategy** to standardize and streamline test, one with attainable benchmarks.

Improve. As a **full-service test engineering arm** with one of the most comprehensive offers in the market, Avera is ideally positioned to help you improve your product design strategies. By implementing Avera's solutions **early in the design lifecycle**, you will speed up the iterative process and prevent costly mistakes.

Succeed. Combined with your own solid practices, Avera's off-the-shelf software, instrumentation and communication solutions, and test engineering expertise will help you execute an **enterprise-wide test approach** tooled to your growth. Avera will help you **stay on top of the competition!**

Telecommunications and high-tech electronics

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

Aerospace and defense

Avera's expertise in Hardware-In-the-Loop (HIL) applications, avionics and engine components, and IEEE 1394 for FireWire®, has earned it the trust of aerospace and defense companies undertaking the most challenging and complex engineering projects.



Instrumentation & Communication

High-performing solutions for RF signal testing and military protocol compliance

- The **URT™ (Universal Receiver Tester)** is a revolutionary, multi-protocol solution that generates all common signal types in use today. It includes software toolkits for AM/FM, RDS/RDBS, Sirius/XM, DAB, IBOC, TMC over RDS, DARC, audio, video, and GPS signals, and is setting a new standard in RF and telematics testing.
- **Averna's RF Signal Record & Playback System**, based on the URT platform, dramatically reduces field testing during the validation phase. It is the most compact system for in-vehicle RF recording on the market today.
- **Averna's IEEE-1394 hardware and software** solutions form a high-performing suite of military compliance solutions for FireWire®.
- **Averna's DP-360 DOCSIS 3.0 RF Protocol Analyzer** is *the* industry standard for PHY/MAC DOCSIS 3.0 network analysis. It gives chip-set manufacturers, product developers, and certification bodies remote visibility into all layers of the DOCSIS network for quick and easy troubleshooting.
- The **Jupiter Design Verification Test System** is the only off-the-shelf DOCSIS 3.0 design verification test system on the market. It enables comprehensive, automated physical (PHY) layer testing for leading Customer Premise Equipment (CPE) data-over-cable developers, helping them speed up time-to-market.
- The **Mercury Manufacturing Verification Test System** is used to verify the DOCSIS standard in 80% of the world's cable data/voice modems during mass production. Eleven automated and modular test stations provide targeted calibration, voice and functional testing, Out-of-Box Assurance (OBA), and more.

Automotive

Whether your current challenge is reducing RF signal field test, or recording difficult-to-capture signal impairments for laboratory analysis, Averna provides a full suite of instrumentation and communication solutions, as well as the integration expertise it takes to maximize test improvements.

Ground transportation

When updating obsolete test systems in a transportation network, or when improving system accuracy where the margin of error is close to nil, Averna's integration expertise will make the job easier and ensure repeatable results.

Enjoy the Averna Experience

What stands out consistently in Averna satisfaction surveys is appreciation for the company's client-centered approach. Averna believes that the key to success lies in building and nurturing strong ties with the client, in maintaining responsiveness throughout the relationship, and in planning a long-term strategy for mutual success.

The Averna team is committed to providing you with timely, expert advice, as well as the human touch so critical to the success of any project.

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