



PNT Consulting & Testing Services

- **Your former lead engineer leaves the company and takes his knowledge of your company’s timing infrastructure with him.**
- **You’re being asked to certify that your timing network is compliant with the latest regulations. You know there are potential gaps, but you aren’t sure how to fill them.**
- **You know that GPS/GNSS signal jamming and spoofing can be the basis for new serious cyberattacks, but you don’t know if your network is protected.**
- **You have defense contracts with timing systems and you need to source a solution that meets requirements.**

Imagine if your network was taken offline by jamming, or if critical data and services were corrupted due to spoofing. Your customers rely on you to protect your network, and a time server that protects against GPS/GNSS jamming and spoofing is an essential part of today’s cybersecurity programs for critical infrastructure.

Yet implementing, configuring, testing and maintaining a timing network is not easy. It can require specialized knowledge and protocols that even the most seasoned networking professionals may not have.

Let Orolia Help.

Orolia offers nearly half a century of expertise in designing and implementing Resilient Positioning, Navigation and Timing (PNT) solutions. We’ll guide you through your timing project and help meet your objectives on time and within budget.

What can we help with?

- Assessing GNSS system vulnerability
- Evaluating network requirements
- Defining the right timing architecture
- Testing and configuring time and sync hardware
- Training new engineers
- Evaluating regulatory compliance, and more

Our engineers will help you shorten the project timeframe and ensure that you have the right solution and the right implementation plan.



Services Overview

Resilient Timing Network Design & Planning

Beginning with a complimentary interview, our team will work with you to identify resilient timing requirements, recommend solutions, and show you how to deploy your system.

Typical Duration: 8 hours for a simple review and recommendations. 6+ days for complete design and documentation.

Vulnerability & Security Assessment

How vulnerable is your system to a GNSS-based attack like jamming or spoofing? How does your system handle GNSS system events like leap seconds, epoch rollovers, and ionospheric disturbances?

Understanding the vulnerabilities in your system is the first step toward hardening it. With a vulnerability assessment at our site or yours, you'll be confident that your system is fully protected. We'll do the testing and analysis, then recommend ways to make your system more secure through configuration changes or new technologies.

Typical Duration: 2-4 days. Price varies depending on type of assessment.

Product Training

Product training teaches you how to configure and operate your equipment. Choose web-based or onsite classroom-style training.

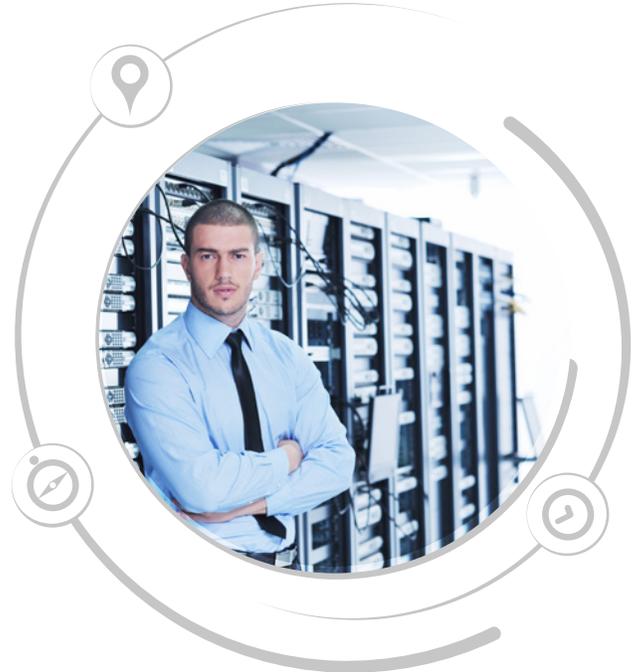
Typical Duration: 4 hours for web-based, 1 day onsite.

Technology Training

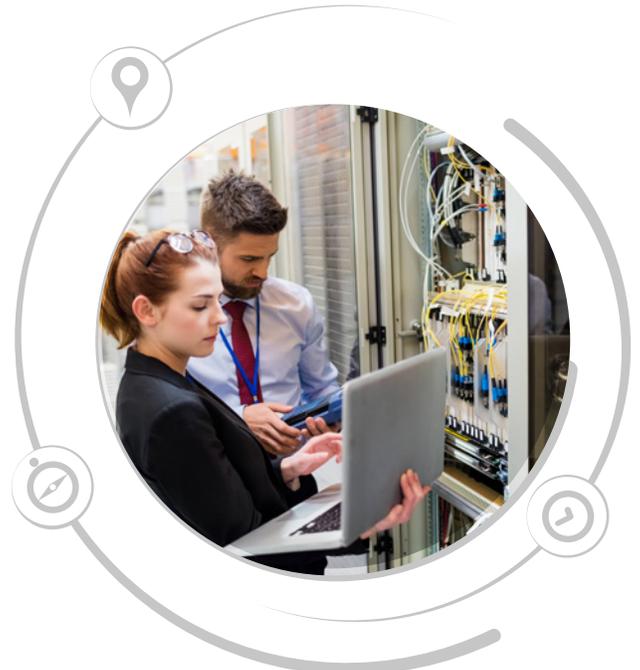
Technology training focuses on the underlying protocols and signals used to design, deploy and operate your equipment (For example, PTP, NTP, GNSS). In addition to helping your engineering team, this training can also be useful for your operations and maintenance staff. Choose web-based or onsite classroom-style training.

Typical Duration: 4 hours for web-based, 1 day onsite.

"I was recently given the responsibility of sorting out our NTP infrastructure. We have a couple dozen SecureSyncs spread across the world and I am comfortable that we have made the correct choice from both a technology and customer support perspective. Kudos to your team!"



"This is the best training I have ever seen from any vendor. Color me impressed."



Onsite Turn-Up & Configuration

We'll provide an engineer onsite to help you properly configure your equipment and network, customized to your needs. We'll configure your system and test it for you on the spot, saving your team time and effort. We can:

- Recommend antenna placement
- Configure your unit
- Check and monitor performance

Typical Duration: 2 days, priced by the day.

Applications Engineering Hours

We'll send in an apps engineer to help you address specific issues. Some use cases include:

- REST API scripts
- Simulation scenario generation
- Site survey
- Simulation automation/interface scripts
- Simulation equipment operation for specific testing

Typical Duration: Priced in 4-hour blocks.

Let's Get Started.

Why struggle with your timing project? Let the experts at Orolia help you confidently deliver a solution that meets your requirements quickly, with a practical, cost-effective approach.

Call +1 585.321.5800

Email sales@orolia.com

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"Always great service and a fast response time. Your customers appreciate it!"

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