PERATON

PERATON LABS

More than a research lab

Peraton Labs delivers innovative solutions, transformative insights, and revolutionary new capabilities to customers in government agencies, utilities, and commercial enterprises. As an externally funded applied research organization, our team of more than 400 researchers, engineers, and analysts conducts pioneering research to shape the future of electronic warfare, mobile communications, critical infrastructure protection, cybersecurity, wireless systems, quantum, and machine learning.

We're making an impact in defense, communications, intelligence, energy, transportation, finance, and life science by:

- Creating new technologies
- Advancing and hardening emerging capabilities
- Developing and delivering innovative solutions that work at scale and in complex, real-world environments

PERATON LABS BY THE NUMBERS

1984
Birth of the applied research organization out of Bell Labs

2020
Acquisition of DHPC technologies

280+
Issued, licensed, and pending patents

21
Standards and industry groups' memberships and leadership positions

24+
Collaborations with elite universities

100+
Customer-funded research technology programs

A HISTORY OF INNOVATION

Peraton Labs has a long and illustrious history of innovation: the organization was originally part of Bell Labs and has historically been known as Bellcore, Telcordia, DHPC Technologies, Applied Communication Sciences, Vencore Labs, and Perspecta Labs. The Labs made primary contributions to many notable 'firsts': the first multimedia email attachment, the first wide-area ATM/SONET gigabit network, the oldest blockchain in the world, and the Army's first state-of-the-art laboratory for testing infrared laser-based countermeasures.

We continue to build on this heritage of excellence to deliver mission-critical technology research and high-value solutions to customers across government, defense, transportation, energy, life sciences, telecommunications, and the intelligence community.

MISSION-CRITICAL SOLUTIONS— MAKING THE IMPOSSIBLE, POSSIBLE

Peraton Labs leverages next-generation engineering and science to create innovative technologies and services that solve the most difficult and complex challenges for government and commercial customers.

Government, defense, and intelligence: tactical and ad-hoc mobile networking, malicious code detection and remediation, spectrum management solutions, cyber and electronic warfare, sensors, and sensor integration, evaluation of advanced countermeasure systems, Commercial Solution for Classified (CSfC), technical forensics and prototyping, autonomy and machine learning research, quantum communication and computing.

Utilities, energy, and transportation: smart grid continuous security analysis, network modernization and cloud migration, risk assessments, and critical infrastructure protection.

Life sciences, finance, and entertainment: data analytics, security policy and benchmarking, machine learning and artificial intelligence, content protection and data privacy, penetration testing, information assurance, and compliance.

Communications and large enterprises: cyber defense and cloud security, network configuration assurance, advanced cyber tools including intelligent cyber network defense, and Distributed Assured Dynamic Configuration.

At Peraton Labs, we not only invent new technologies, but we also mature and harden our research results to deliver and deploy mission-critical solutions to our customers. Examples include:

- **SecureSmart™:** a fielded monitoring service that provides integrated, real-time cyber defense, operations support, and situational awareness for critical infrastructure, field area networks, energy systems, and smart cities via an easy to deploy, sensor-based architecture

- **Bus Defender™:** cyber resiliency products for fielded platforms using the MIL-STD-1553 data bus with Bus Defender for active, on-platform cyber defense, Maintenance Defender™ for protection during maintenance, test and software loading, and Bus Offender™ for cyberattack creation and vulnerability identification

- **CyberVAN:** a flexible, scalable cyber range with high-fidelity representation of enterprise, strategic and tactical networks, realistic traffic generation, and a comprehensive library of network models and cyber effects

- **SecureIO™ TLS and SecureIO Rapid Deployer licensed software:** SecureIO TLS accelerates the fielding of mission-critical applications on Android devices, while SecureIO Rapid Deployer automates installation, eliminating errors and significantly reducing device configuration time

- **Velocite™:** a revolutionary solution that uses commercial 4G and 5G infrastructure to provide affordable, high-bandwidth telemetry to aircraft at speeds well above Mach 1

- **SecureSense™:** provides affordable, real-time intelligence to monitor spectrum usage, rapidly identify unexpected emitters and efficiently support mission needs, achieving more accurate spectrum situational awareness at significantly lower cost and in the most demanding environments

PERATON LABS' EXPERIENCED AND ACCOMPLISHED TECHNICAL STAFF

Peraton Labs is always seeking researchers and engineers who are inspired by hard problems, energized by a spirited environment, and excited to collaborate on innovative solutions. We offer an established, yet dynamic, environment with a rich network of university and industry relationships. We have a strong heritage of innovation and deep expertise, a vibrant culture of collaboration and industry leadership, and a broad spectrum of exciting projects and career opportunities.

Recent research has covered topics including artificial intelligence, resilient high-speed networking, tactical communications, quantum communications, countermeasures for unmanned aerial systems, advanced cyber solutions, sensor fusion, smart grid systems, and Internet of Things technologies.

PERATON LABS EMPLOYEES BY THE NUMBERS

400+
Scientists, engineers, and analysts on staff

125+
Team members have a Ph.D.

25%
Are patent inventors

75%
Hold government clearances

50%
Hold technical master's degrees

Leveraging the most experienced minds in the industry, we continue to build upon our legacy of excellence to deliver mission critical technology research and high-value solutions to government and commercial customers worldwide.

THE POWER OF PERATON PLUS PERATON LABS

From the beginning, Peraton has delivered differentiated, proven, and secure information technology solutions and services, supporting missions of consequence where failure is not an option. With the addition of a top-notch research and development engine, Peraton can deliver increased value and insight to its customers. The advanced technology insights and solutions from Peraton Labs allow Peraton to better anticipate future government needs and develop next-generation offerings. Peraton leverages the Labs' extensive research and development capacity to do the can't be done, solving the most daunting challenges facing our customers.

Scan the QR code to learn more at peratonlabs.com

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