VIAVI

XEdge

Monitoring connectivity for devices using private networks and WiFi, anywhere, anytime, has never been simpler or more affordable.

Private and WiFi networks are an important part of everyday life, stretching across all areas; in offices, stadiums, factories, remote sites, airports, and secure zones, to name just a few.

Hundreds—even thousands—of devices all relying on consistent, high-performance connectivity.

That's why customers expect seamless service, operators demand SLA compliance, and regulators require audit-ready proof.
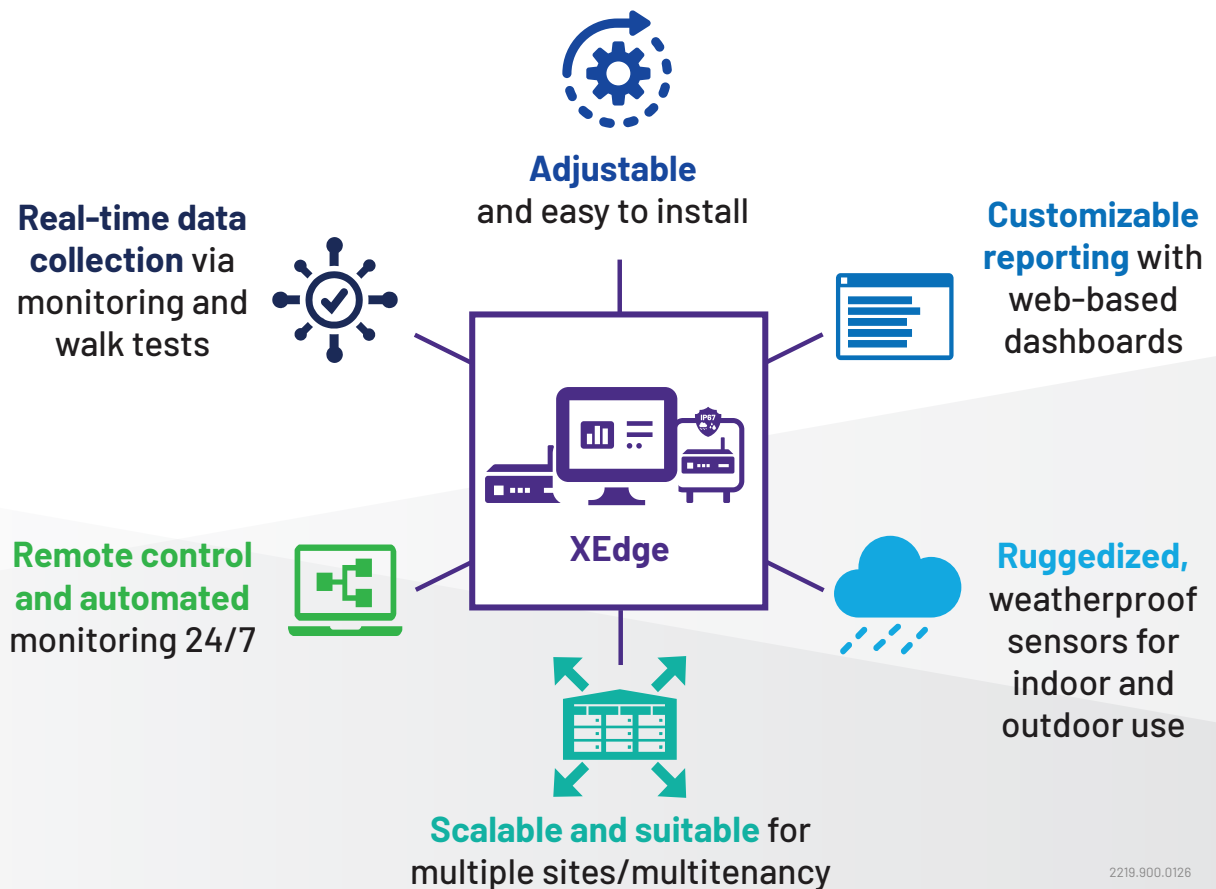
XEdge gives organizations running 4G and 5G business critical private networks and WiFi, the tools to test and continuously monitor device connectivity at a very low cost.

Key Challenges Private Network Managers Face

- Ensuring good network connectivity for high volumes of users, production lines, robots, and IoT sensors
- The need to be able to detect degradation before complaints arise
- Limited in-house RF expertise
- No easy way to report SLA compliance
- Budget is limited

How XEdge Helps to Solve These Challenges

Adjustable and easy to install

Real-time data collection via monitoring and walk tests

Customizable reporting with web-based dashboards

Remote control and automated monitoring 24/7

XEdge

Ruggedized, weatherproof sensors for indoor and outdoor use

Scalable and suitable for multiple sites/multitenancy

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XEDGE: MONITORING DEVICE CONNECTIVITY, ANYWHERE, ANYTIME

XEdge is designed to simplify mobile network monitoring for private network managers. An intelligent platform that brings edge testing and monitoring into a new era, XEdge combines sensors, advanced edge computing, a centralized cloud dashboard, and artificial intelligence (AI) analytics.

As an unattended system, it requires minimal daily management and no specialized network expertise, making it an ideal solution for companies with limited IT resources and budget. This means organizations can ensure compliance with private network and WiFi SLAs, and conduct continuous network testing and monitoring, all in a way that's much simpler than traditional radio network management.

Mining

XEdge is ideal for pits, tunnels, and harsh conditions. It provides rugged*, automated, multi-network monitoring to keep mining networks reliable, safe, and future-ready.

Fully automated 24/7 SLA monitoring, on-demand testing, and remote firmware updates eliminates costly site visits.

Shipping

XEdge has sensor units that are rugged and weather-proof*, which can operate in all locations, to avoid lost productivity and serious safety risks.

They monitor the performance of the mobile networks that support connected devices on ships, such as sensors, tracking systems, and other automation technologies.

Industrial Automation

XEdge acts as an affordable 24/7 SLA watchdog with unattended probes streaming KPIs to the XEdge Controller, auto-generating executive-ready SLA reports.

No RF guru is required. The web UI and REST API integrate with existing OT dashboards, letting IT own 5G assurance.

System Integrators and Consultants

The centralized XEdge controller manages all customer sensors in one portal while keeping data siloed when needed.

With API-driven test automation, ServiceNow tickets can launch on demand and tests results flow back automatically.

White-label dashboards and reports make it easy to share branded portals or PDFs, strengthening customer trust.

* Subject to FCC approval

XEDGE SENSORS: UNATTENDED AND EXPERT-FREE MONITORING

XEdge is designed for network professionals who manage private mobile, or WiFi environments, and need to guarantee high-quality service across every location and every device—automatically—and affordably.

The sensors used (XEdge and XEdge Lite), are designed for use with LTE and 5G technology and the FR1 band. Both support the same KPIs, applications and testing scenarios, and are operated using the XEdge Controller.

XEdge Sensor

• Multi-carrier, high-capacity unit for comprehensive monitoring

• Larger sized sensor unit

• Accommodates 1,2 or 4 Sim cards/modems

• Ideal for monitoring, walk tests and drive tests

• Suitable for indoors only

XEdge Lite Sensor

• Compact, cost-efficient sensor for dense or distributed placement

• Lightweight unit

• Accommodates 1 sim card/modem

• Ideal for monitoring and drive tests

• Suitable for indoors and outdoors (subject to FCC approval)
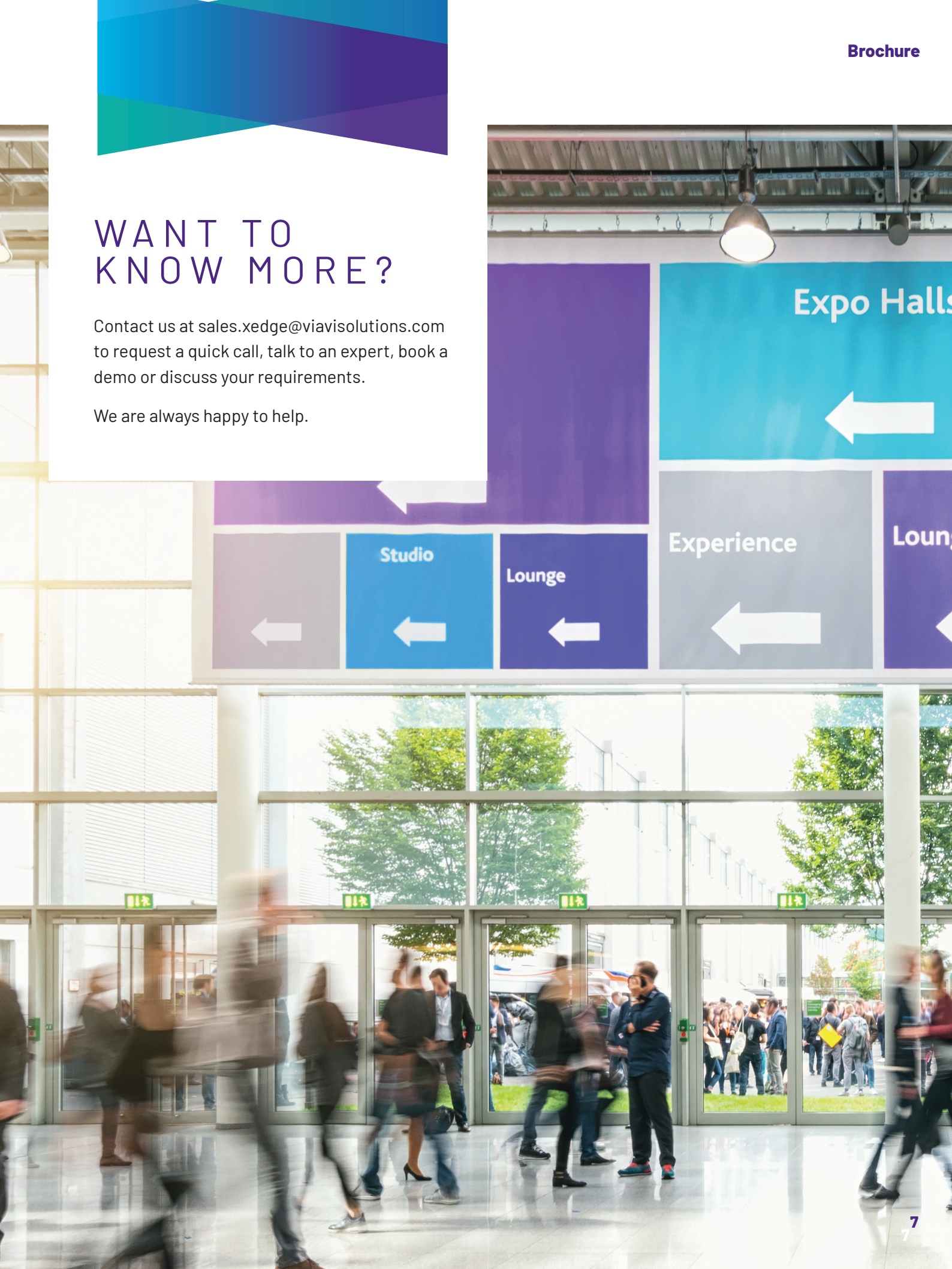
Comprehensive Support and Implementation

Our expert team is committed to providing end-to-end support, from the initial XEdge setup to ongoing maintenance, and ensuring your mobile network monitoring remains at peak performance.

We will work closely with your team to understand your specific requirements and tailor our solution to meet your needs.

WANT TO KNOW MORE?

Contact us at sales.xedge@viavisolutions.com to request a quick call, talk to an expert, book a demo or discuss your requirements.

We are always happy to help.

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