

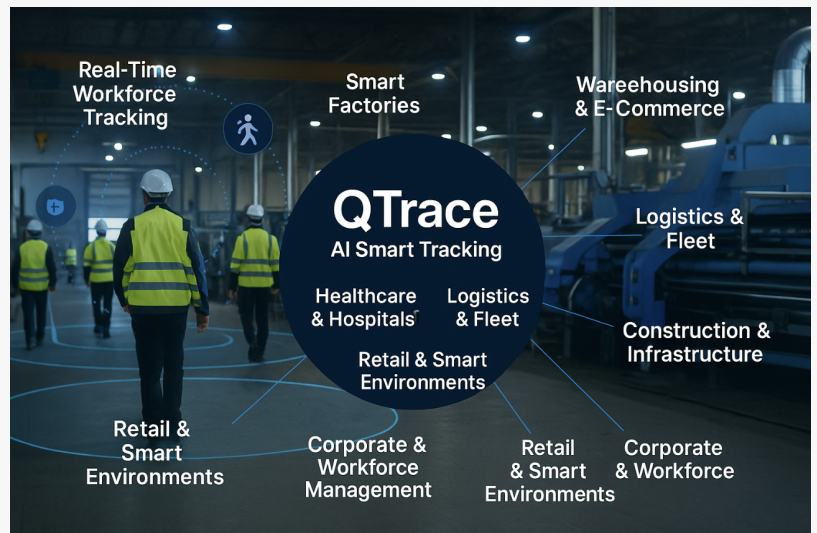
From Factories to Supply Chains: QTrace Powers India's Smart Tracking Future

AHMEDABAD, GUJARAT, INDIA, September 2, 2025 /EINPresswire.com/ -- As India advances rapidly towards Industry 4.0, [QTrace](#) has emerged as a key player in AI-driven IoT tracking, offering solutions designed for manufacturing, logistics, warehousing, healthcare, and beyond. By combining Bluetooth 5.4 chipset technology with artificial intelligence, embedded firmware expertise, and automation systems, QTrace is positioning itself as a global-standard company born in India.

The company marked a major achievement in July and August 2025, successfully deploying its AI-powered Bluetooth tracking platform across multiple industrial verticals, strengthening its position as one of India's most trusted IoT innovators.

Bluetooth 5.4 and Next-Gen Chipsets
QTrace's solutions are powered by the latest Bluetooth Low Energy (BLE) 5.4 technology, known for its extended range, multi-device connectivity, and ultra-low power consumption. The company integrates advanced chipsets such as Nordic Semiconductor's nRF54 Series, Qualcomm's QCC5171, and Silicon Labs' BG24, which are setting benchmarks for industrial IoT globally.

This allows QTrace devices to operate up to four years on a single battery cycle, a critical feature for large Indian warehouses and factories where thousands of devices run simultaneously.



Smart Factories with Embedded Intelligence

In India's manufacturing sector, QTrace provides real-time asset tracking, predictive maintenance, and worker safety monitoring. Unlike many providers, QTrace develops its own custom firmware and embedded protocols, ensuring that devices perform reliably in noisy, high-interference industrial zones.

The company's expertise lies in bringing AI directly to the chipset, enabling on-device automation without heavy cloud dependency.

AI IoT Innovation Story – “Tracking That Transforms Operations”

“After deploying QTrace, our production line has complete visibility of tools and assets in real time. Downtime has reduced significantly, and the system runs effortlessly with minimal maintenance.” – Operations Manager, Large-Scale Manufacturing Unit.

Warehousing and Supply Chain Visibility

QTrace has become a strong partner for India's e-commerce and logistics growth story. Its platform integrates with ERP/WMS systems and offers cold chain tracking for sensitive goods like pharmaceuticals and food.

With AI-driven predictive alerts, companies can now detect route delays, inventory shortages, or cargo risks before they escalate.

Fleet and Transportation Optimization

The Indian logistics industry, expected to cross USD 380 billion by 2025, demands smarter solutions for fleet efficiency. QTrace addresses this with [AI-powered fleet Parcel tracking](#), blending BLE, GPS, and edge AI. This helps companies improve route planning, fuel consumption, and cargo safety while reducing delivery delays.

Healthcare, Construction, and Safety Applications

In hospitals, QTrace enables patient movement tracking, equipment monitoring, and emergency response management. In construction and field operations, its worker safety tracking ensures compliance with India's workplace safety norms.

Notable AI IoT Story – Sensors That Predict, Not Just Detect

“With QTrace's sensor-enabled IoT system, we can monitor equipment health in real time. Predictive alerts have saved us costly breakdowns and improved safety compliance.” – Project Head, Infrastructure Company

Industry Applications of QTrace Solutions

QTrace's AI + Bluetooth 5.4 platform is designed to serve multiple industry verticals, making it one of the most versatile tracking ecosystems in India. Key applications include:

- > Manufacturing & Smart Factories – Asset tracking, predictive maintenance, worker safety.

- > Warehousing & E-Commerce – Inventory visibility, cold chain monitoring, supply chain intelligence.
- > Logistics & Transportation – Fleet tracking, last-mile optimization, cargo monitoring.
- > Healthcare & Hospitals – Patient tracking, equipment monitoring, emergency response.
- > Construction & Infrastructure – Worker safety, tool tracking, site compliance.
- > Retail & Smart Environments – Customer flow analytics, in-store asset tracking.
- > Education & Campuses – Student safety, smart attendance, navigation.
- > Corporate & Workforce Management – Staff safety, facility automation.
- > Energy & Utilities – Predictive maintenance of critical equipment.
- > Aviation & Ports – Baggage handling, cargo visibility, operational tracking.

This broad adoption reflects QTrace's scalability across industries, strengthening its image as a multi-sector IoT and AI solutions provider.

Industry analysts note that one of QTrace's most disruptive innovations is its Real-Time Workforce Movement Tracking inside smart factories.

By creating zone-wise visibility of staff presence, QTrace ensures that quality checks are completed on schedule, restricted areas remain secure, and shift handovers happen seamlessly.

This not only boosts productivity but also enhances compliance and safety standards—addressing a long-standing gap where traditional GPS and RFID solutions fall short in high-interference industrial environments.

Automation and Firmware Leadership

QTrace is not just a hardware vendor—it is an embedded technology company with strong expertise in firmware design and AI automation. Its ability to write custom firmware for Bluetooth chipsets and integrate AI models at the device level ensures that customers receive robust, future-proof solutions.

This capability allows Indian companies to achieve automation at the edge, making operations smarter even in environments with limited connectivity.

India's Industry 4.0 Partner

Headquartered in Ahmedabad, Gujarat, QTrace aligns with Make in India and Digital India missions. Its recent July–August deployments across factories, logistics hubs, and healthcare facilities underline its position as one of India's most impactful IoT companies.

With support from strategic partners such as [Amar Infotech](#), QTrace continues to expand its R&D capabilities in IoT, AI, and automation—bringing world-class solutions to Indian enterprises.

“From factories to supply chains, QTrace provides a unified tracking ecosystem powered by AI,

IoT, and Bluetooth 5.4 chipsets. It ensures that Indian businesses remain competitive in an increasingly globalized market,” said Satish Siddhantar, Senior VP at QTrace.

About QTrace

QTrace is a leading AI-driven IoT solutions provider specializing in Bluetooth 5.4-based tracking, firmware development, and industrial automation. Serving industries including manufacturing, logistics, warehousing, healthcare, construction, and energy, QTrace delivers real-time visibility, predictive intelligence, and automation at scale. With its deep expertise in embedded systems and edge AI, QTrace is driving India’s transition into the next generation of Industry 4.0.

Hitesh Ramoliya

QTrace

+91 76000 86150

sales@theqtrace.com

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