# ATEX Family

## Intrinsically Safe RTLS for Hazardous Environments

Hazardous zones are some of the most demanding areas in any industrial facility, and often the hardest to monitor. Standard RTLS hardware isn't always suitable where explosive gases, vapors, or combustible dust may be present, leaving teams with limited visibility into asset movement, equipment use, tool location, and personnel presence. The Litum ATEX Gateway and ATEX Dualis Tag are purpose-built to close that gap, bringing high-precision, intrinsically safe real-time location visibility to Zone 1 and Zone 2 environments across oil and gas, petrochemicals, pharmaceuticals, mining, energy, utilities, and heavy manufacturing.

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### WHAT IT MEANS FOR RTLS DEPLOYMENTS

In hazardous areas, ATEX rewrites the rules for any hardware deployment. A single spark, overheated component, faulty battery, or stray signal can trigger ignition, which is why standard RTLS devices simply don't belong in these environments.

That changes how RTLS hardware must be chosen. Accuracy, battery life, connectivity, and software features still matter, but none of it counts if the device isn't certified for the specific hazardous zone it's deployed in.

### The ATEX Directive

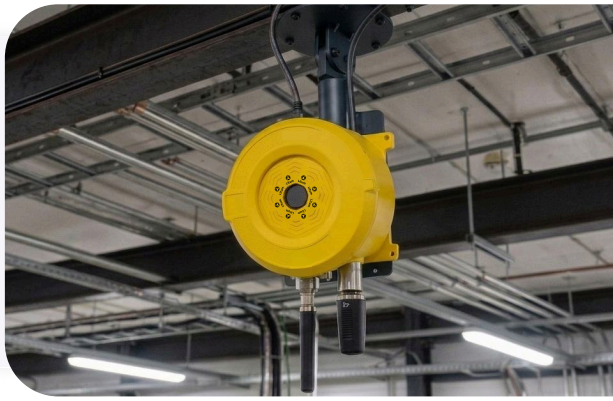
ATEX stands for Atmosphères Explosibles, French for "explosive atmospheres." It's the EU framework governing equipment and workplaces where flammable gases, vapors, mists, or combustible dust may be present. ATEX sets the standard for how hardware in these environments is designed, tested, marked, and deployed, so every device in a hazardous area is built to minimize risk of ignition.

## Introducing the Litum ATEX Family

### ATEX GATEWAY

The Litum ATEX Gateway is the infrastructure backbone of the system. Designed for ATEX Zone 1 and Zone 2, it acts as a bridge between location devices in the field and the central RTLS platform, supporting both UWB and BLE technologies. It features a robust aluminum Ex d enclosure with dual Gas and Dust certifications, PoE-powered installation, secure Ethernet connectivity, and flexible mounting options for walls, ceilings, or walkways.

VIEW DATASHEET





### ATEX DUALIS TAG

The Litum ATEX Dualis Tag enables accurate tracking of assets, equipment, and personnel in hazardous areas. Built with hybrid UWB and BLE location technology, it supports sub-meter accuracy, intrinsically safe dual Gas and Dust certifications, an IP67-rated enclosure, up to five years of battery life with a replaceable battery, tamper detection, and over-the-air firmware updates.

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### A STRONG FOUNDATION FOR GLOBAL HAZARDOUS-AREA DEPLOYMENTS

ATEX is EU-specific, but its value is global. Hazardous-area requirements exist in industrial sites around the world, and the need for intrinsically safe hardware extends well beyond the EU. For international RTLS deployments, the Litum ATEX Family can help meet hazardous-area compliance expectations, support customer approval processes, and demonstrate that the hardware is designed for environments where standard devices may not be suitable. For projects outside the ATEX framework, Litum can work with organizations to review relevant regional requirements and assess the appropriate certification path for their deployment.

# Why Litum

### Recognized and Trusted Worldwide

Litum isn't just another technology provider, we're a globally recognized leader in RTLS. Organizations like Fast Company, Gartner, and Deloitte have acknowledged our impact. Our clients include industry leaders across manufacturing, logistics, and healthcare, reflecting the trust businesses place in our solutions.

### Turnkey Provider

From consultation to deployment, Litum is with you at every step. Our turnkey approach ensures you have everything you need — from hardware and software to signal processing — without having to juggle multiple vendors. We don't just deliver solutions, we build lasting partnerships that help your business succeed.

### Flexibility to Meet Your Needs

No two businesses are the same, which is why Litum's solutions are highly adaptable. Whether you're operating in logistics, manufacturing, or another demanding setting, our system can be tailored to meet your specific requirements. From large-scale deployments to safety-critical use cases, Litum ensures the right fit for your business with two decades of experience in the space.

### Unmatched Precision and Versatility

Litum combines proprietary Ultra-Wideband (UWB) and Bluetooth Low Energy (BLE) technologies, offering unparalleled precision and versatility. UWB delivers high-accuracy positioning for complex environments, while BLE extends range and reduces energy use. This duality ensures precise, efficient oversight across diverse settings, including safety-critical and hazardous industrial environments.

## Built for Results, Trusted by Leaders

amazon · Unilever · Coca-Cola · Boehringer Ingelheim · Nestlé
Cummins · HALEON · CardinalHealth · MICHELIN · HALLIBURTON
BOSCH · Boston Scientific · The Home Depot · GE Aerospace · STELLANTIS
CNH · FERRERO · Schneider Electric · DANONE · MAGNA
MAN · Tetra Pak · NORTHROP GRUMMAN · ExxonMobil · ArcelorMittal

## Award-Winning Technology

2024 Fast Company Most Innovative Companies

50 Technology Deloitte. 5 years in a row (2019) (2020) (2021) (2022) (2023)

Gartner peerinsights customers' choice

2021 Globee Awards Silver Winner IT World Awards Best Innovation in Information Technologies

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