ATEX Family

Intrinsically Safe RTLS for Hazardous Environments

Litum's ATEX-certified gateway and Dualis Tag bring real-time location visibility to hazardous industrial environments where standard RTLS hardware can't operate, giving organizations live awareness of people and assets, faster emergency response, and reliable safety and operational intelligence in the zones that need it most.

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

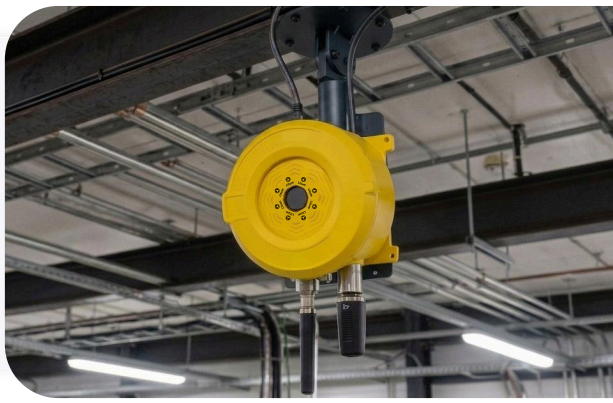
ATEX stands for Atmosphères Explosibles, French for "explosive atmospheres." It's the EU framework governing equipment and workplaces where flammable gases, vapors, mists, or combustible dust may be present. ATEX sets the standard for how hardware in these environments is designed, tested, marked, and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

Introducing Litum's ATEX-Certified Family

ATEX GATEWAY

The Litum ATEX Gateway extends RTLS connectivity into hazardous industrial environments where explosive atmospheres may be present. Certified for ATEX Zone 1, it acts as a secure bridge between RTLS devices and the central platform, enabling real-time visibility across safety-critical operations.

VIEW DATASHEET



ATEX DUALIS TAG

The Litum ATEX Dualis Tag extends real-time location visibility into hazardous industrial environments. Built with hybrid BLE and UWB technology, a replaceable battery that lasts up to 5 years, and an IP67-rated enclosure, it supports precise visibility of assets, equipment, and personnel in safety-critical facilities.

VIEW DATASHEET

A STRONG FOUNDATION FOR GLOBAL HAZARDOUS-AREA DEPLOYMENTS

ATEX is EU-specific, but its value is global. For international RTLS deployments, Litum's ATEX-certified 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. Local certification requirements should always be confirmed by region and project.

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

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