



Universal Resilient Alert Messaging via Bluetooth Satellite

LeoBlue is a French company interested in building partnerships with European structures: research, end-user, private company, public authorities. We are focused on developing alert system (see below) to support civil security and population, before and after natural (or industrial) disaster. Even if LeoBlue has never been in European project, our team has huge experience in building proposition and operating European projects (more than 20 projects participation).

In the 2025' calls, we are especially interested in the call [HORIZON-CL3-2025-01-INFRA-01](#) but can discuss from others.

More information: <https://leoblue.eu/en/home/>

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Problem

Most people living in vulnerable or remote areas still lack access to timely, reliable alerts during climate-related emergencies — due to damaged infrastructure, network coverage gaps, or unaffordable solutions. This delays evacuation, increases human and economic losses, and worsens inequalities in climate adaptation.

Solution

LeoBlue enables universal early warning messages to be sent directly from space to standard smartphones, even without SIM cards or internet. We eliminate dependence on terrestrial telecoms and provide a sovereign, low-cost channel to reach everyone — anytime, anywhere. Our system uses unlicensed Bluetooth spectrum, does not require recent phones, and operates via 30 low-cost hosted payloads, making it massively scalable and geopolitically sovereign.

LeoBlue is scalable (30 payloads to reach the globe) and sovereign (no third-country infrastructure dependency). We use unlicensed spectrum (Bluetooth) to minimize cost, and require no recent phone model. Messages are broadcast from satellite to standard smartphones and connected devices, unlocking a 8B+ phone / 30B+ device potential.