

Services | Plateforme | Expertise

ATIXE

Autonomous Tracking in eXplosive Environments

ATiXE signifie Suivi autonome de la localisation dans les environnements explosifs



ATiXE is a complete wireless indoor/outdoor localization solution certified for ATEX/IECEx*. It ensures security, resilience and traceability for people and assets.

Geolocation Solution Suited for the tracking of

people equipment

vehicles

spare parts

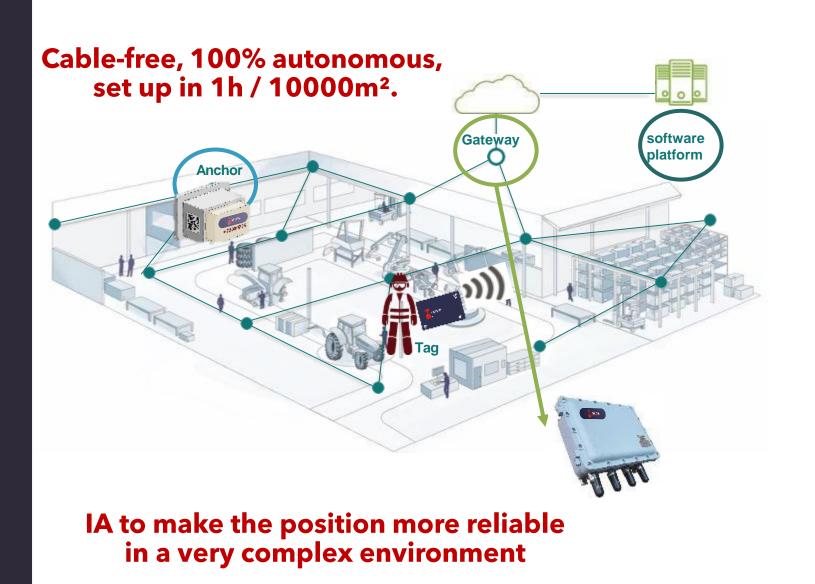
Benefits

- IA post-processing for reliable localization in very complex environments
- Personnel safety
- Easy tracking of outsourced personnel
- Security asset positionning maintenance
- Faster post maintenance restart

- E-Mustering
- Safety of isolated workers
- Geofencing/ access control
- Area Management / Co-activity
- Optimization of space occupation

atixe

How does indoor localization work









ANCHOR ATEX 1 BLE



Wirepas/LTE ATEX 2 gateway

ATiXE is a complete ATEX/IECEx* certified wireless localization solution, ensuring security, resilience and traceability for people and assets.

Components of the solution



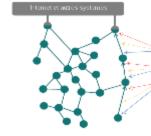
Geolocation Tags



Tag geoloc + NFC + ATEX 1 **Rechargeable induction 300x Ultra Lightweight** Autonomy 88h periodicity < 30"



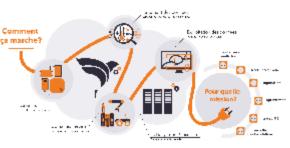
Paste and play: 0 work IoT mesh network + Geoloc



Wirepas Mesh Network Autonomous anchors (battery > 5 years) Digital Twins & Multiple gateways increase resilience (MTBF > 10 years)



Field applications and SDC



Orisun-IoT Open Platform Web of Things ready **BIM compatible**

Description of the offer

*IECEx certification Q2 2022

Description of the offer

ATiXE is a **complete ATEX/IECEx* certified wireless localization solution**, ensuring security, resilience and traceability for people and assets.

Innovative aspect

ATEX1certified IP68 credit card format Tag Paste & play autonomous ATEX1 anchors Are exclusive to ATiXE



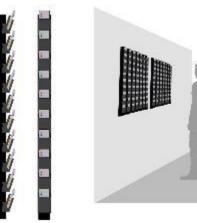
A complete solution that is particularly easy to install and operate

The most affordable on the market

Comment ca marche?

Depter re/

Other innovative aspects



Induction recharging rack

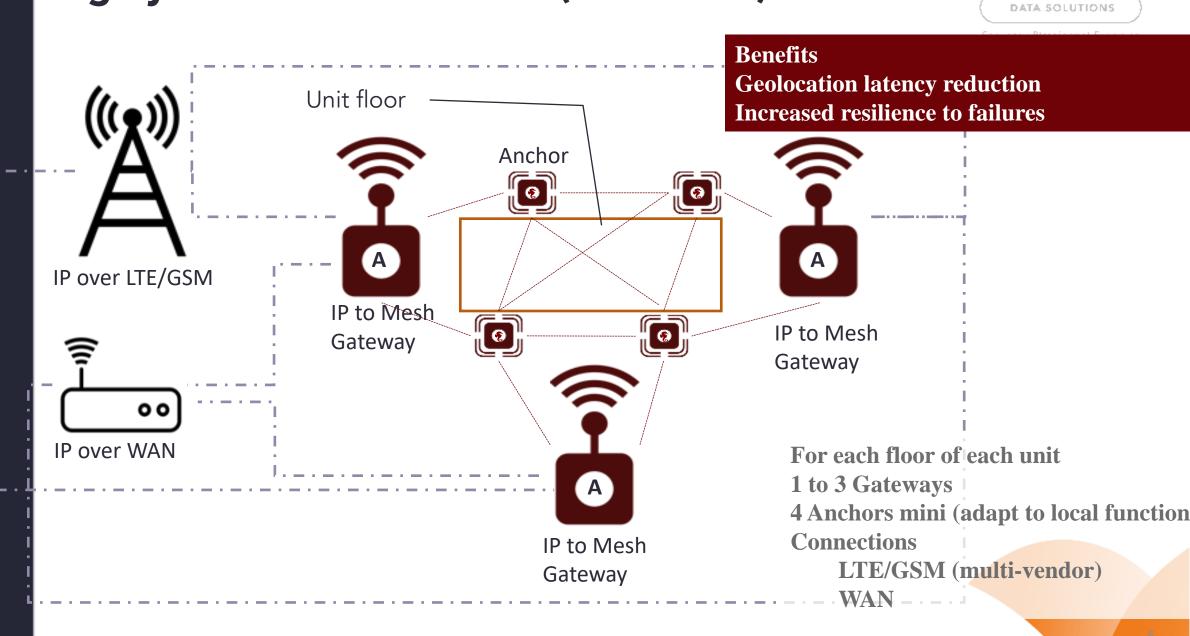
*IECEx certification Q2 2022

Quick pairing NFC, MIFARE, biometrics Access control Anchor Holder for Optimal Reception Digital Twins facilitate the extension of the system

Niche Clasevine A

Abergemani Chrum e L

Highly resilient architecture (floor view)



Resources required for performance and resilience to be validated during POT

ATIXE

High performance architecture

ATIXE implements a resilient high-performance physical infrastructure and a secure logical infrastructure

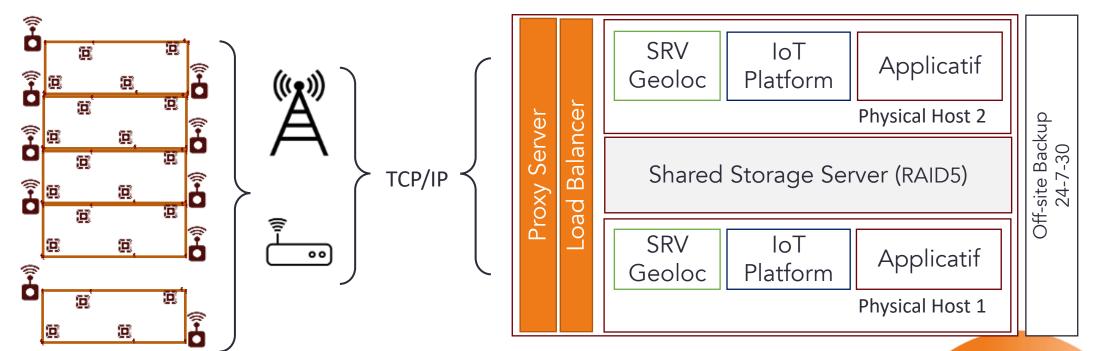
DATA SOLUTIONS

Performance:

 \checkmark Up to 120 positions per hours

Service Commitment

- ✓ Mean Time Between Failures (MTBF) ≥ 1 year
- ✓ Recovery Time Guarantee (MTTR) ≤ 24 business hours



*Commitments limited to the failure of one unit (3 floors) of the geolocation network (anchors and gateways), computer servers, IP network infrastructure under ATIXE control

Geolocation in confined explosive environments under ATEX/IECEX standards.





- Equipped with material adapted to ATEX 1 & IECEX
- Control of a wireless geolocation network
- Algorithms for position refinement in disturbed environments
- Open platform

Who is this solution for











Petrochemica

*IECEx certification Q2 2022





- Hardware expertise and indoor localization
- Expertise in improvement of industrial practices, project management, Business Analysis and Planning.
- SPIN OFF of the ALTEO CONSULTING consulting group specialized in the industry



- Editor of the Web of Things enabled platform: Orisun IoT,
- Expertise Design and conception of critical IT systems;
- Expertise Benchmarking and hardware prototyping;
- Data management expertise, machine learning;

Long term partners

Since 2019, the geolocation solutions designed by Arenzi have been awarded the "Powered by Orisun" label.

The opportunity to work on a large-scale ATEX project accelerated the rapprochement of the structures.

In 2021, the two companies joined forces to market the ATiXE solution, whose originality is based on their respective technologies and IP.

Our key account customers (excluding ATiXE) are SAINT-GOBAIN

Since October 2020, we have carried out several tests within the framework of a Proof of Technique with one of the companies of the petrochemical platform of Chalampé (Grand Est).

Complete localization solution paste & play installation ATEX1 certified

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