ela
INNOVATION

ATEX Ex
CERTIFIED

P ID 000001
Blue PUCK ID Ex

ela
IDF25240

SN : 000001
Ex II 2 G ia IIB T4 Gbx
INERIS 23ATEX0005
-30°< Ta < +70°C

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Fab03/24

» ATEX
product sheet

In an increasingly demanding industrial environment, safety and performance are major concerns. Drawing on its 25 years of experience, ELA Innovation is reaffirming its commitment to worker safety, asset tracking and optimizing industrial monitoring with a new range of ATEX-certified Bluetooth devices offering best-in-class performances.
These technologies meet the unique challenges of high-risk environments, such as the oil and gas, chemical and food industries.

Willy LE MERCIER, Strategic Alliance Director.

Why ELA Innovation developed ATEX-certified beacons?
6 Key-Strengths

1

ATEX Zone 1 Certification

Combining **Bluetooth Low Energy** and **ATEX certification** delivers a reliable solution tailored for explosive and high-risk industrial environments.

2

Over 10 years of battery life

Wireless, intrinsically safe sensors designed for **long-term use**, reducing costly and complex maintenance operations.

3

IP68 Casing

Sensors built to resist prolonged exposure to **dust**, **humidity**, and **immersion**, as well as wide **temperature variations**.

4

BLE Seamless integration

Fully **interoperable with existing infrastructures** like smartphones, gateways, or tracking devices.

5

Real-time monitoring / alerts

Enable **live data transmission, instant alerts**, and complete traceability to support proactive risk management.

6

Safety and compiance

Help companies optimise operations and meet the **strictest international safety and regulatory standards**.

HEAVY INDUSTRY

REAL-TIME MONITORING OF INDUSTRIAL EQUIPMENT

CHEMICAL SAFETY

REAL-TIME MONITORING OF CHEMICAL PRODUCT CONTAINERS

SENSITIVE STORAGE

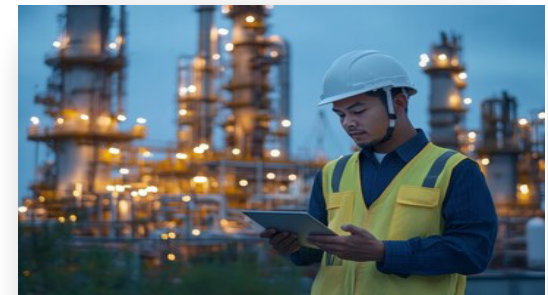**TEMPERATURE CONTROL IN STORAGE AREAS**

TRANSPORT & LOGISTICS

ENSURING SAFETY FOR OPERATIONS ON TANKERS

SITE SECURITY

ACCESS MONITORING IN SENSITIVE AREAS

WORKER SAFETY

GEOLOCATION OF OPERATORS IN ATEX ZONES

ATEX : The Beginner's guide
Standards, zones and product marking

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Regulatory Framework

Strict regulatory framework based on two European directives:
2014/34/EU: For equipment placed on the market (manufacturers).
1999/92/EC: For safe use in explosive atmospheres (operators).

Outside Europe, **IECEx** certification facilitates international equipment export through mutual recognition between countries.
The products can only be used in the area covered by Cenelec*.

ATEX Zones

Gas, vapor or mist:
Zone 0: High risk (continuous presence)
Zone 1: Moderate risk (occasional presence)
Zone 2: Low risk (unlikely presence)

Combustible dust:
Zone 20: High risk (frequent presence)
Zone 21: Moderate risk (occasional cloud formation)
Zone 22: Low risk (rare)

ATEX Code Explanation

ELA sensors are certified Ex II 2G Ex ia IIB T4 G :

Ex	Equipment for explosive atmospheres
II	Group II – Non-mining industry
2G	Category 2 (Zone 1 - occasional gas risk)
Ex ia	Intrinsic safety level "ia"
IIB	Gas group IIB (e.g., ethanol, ethylene)
T4	Max 135°C surface temperature
G	Gas, vapor, or mist

Product Label Details

Manufacturer | ELA Innovation
Address | 297 rue Maurice Béjart, 34080 Montpellier, France
Marking code | CE XXXX
Product name | BLUE PUCK
Year of construction | 20XX
Specific marking | II 2G
Complementary marking | Ex ia IIB T4 Gb
Operating temp | -30°C to +70 °C
Certifications | INERIS 23ATEXxxxx / IECEx INE 23.xxxxx

*Cenelec: Germany, Austria, Belgium, Bulgaria, Cyprus, Croatia, Denmark, Spain, Estonia, Finland, France, Greece, Hungary, Ireland, Iceland, Italy, Latvia, Lithuania, Luxembourg, Malta, Norway, Netherlands, Poland, Portugal, Czech Republic, Romania, Slovakia, Slovenia, Sweden, Switzerland

Our Blue PUCK ATEX range

	Blue PUCK ID Ex	Blue PUCK MOV Ex	Blue PUCK MAG Ex	Blue PUCK T Ex
Model name	**Blue** PUCK ID Ex	**Blue** PUCK MOV Ex	**Blue** PUCK MAG Ex	**Blue** PUCK T Ex
Technology	Bluetooth Low Energy			
Recommended uses	Large asset tracking & indoor location	Motion sensor	Door opening	Temperature monitoring
Condition of use	Indoor & outdoor			
ATEX Certification	ATEX Zone 1 : Ex II 2G Ex ia IIB T4 Gb			
Other certifications	CE, UKCA, FCC, ISED, RoHs			
Radio frame format	ELA ID	ELA MOV	ELA MAG	ELA T
Configuration by NFC	Yes	Yes	Yes	Yes
Sensor performance		**Inertial & angular** **MOV**: ±8g, threshold 32–8000 mg, instant transmission **ANG**: ±2g, 1 mg resolution, ±0.5% Full Scale accuracy	**Range**: 2cm typ. **Instant transmission** upon magnetic event	**Resolution**: 0,0625 °C **Accuracy**: ±0.5°C maximum
4K value Datalogger		Yes	Yes	Yes
LED	Yes	Yes		
Housing	Ø 57 mm base – Thickness : 20 mm – Weight 41g / DELRIN POM C compatible with food products (90/128/EEC)			
Battery life	More than 10 years			
Replaceable battery	Repacking service at factory			
Accessories	PUCK STICKER, PUCK HOLDER & PUCK HOLDER STICKER			