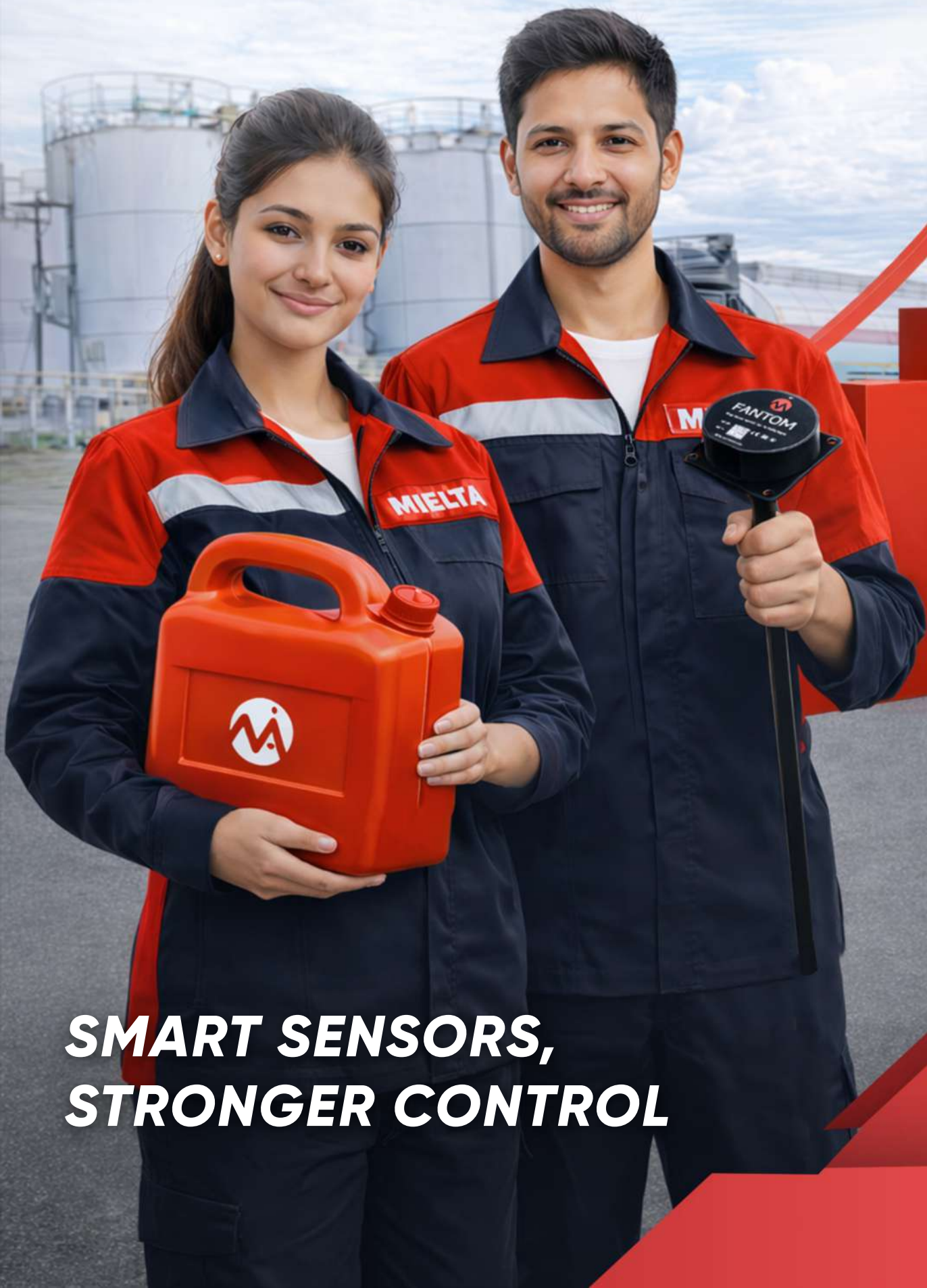


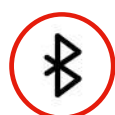


**SMART SENSORS,
STRONGER CONTROL**

FANTOM

The Ultimate Wireless Fuel Monitoring Solution

Protect your fleet, prevent fuel fraud, and maximize ROI in every climate.



100% Wireless & Durable: Bluetooth (BLE) enabled with a 7-year autonomous battery life.



Extreme-Condition Proof: Flawless operation from -40°C to +80°C.



Theft & Fraud Protection: Detects fuel adulteration, sabotage, and leaks instantly.



Unmatched Longevity: Premium stainless steel outlasts standard aluminum sensors.



Engineered to conquer Asia's most challenging environments from scorching summers and torrential monsoons to freezing mountain altitudes.

The Problem with Standard Aluminum Sensors:



Corrode rapidly after exposure to high humidity and poor-quality fuel.



Require frequent and costly recalibration.



Prone to moisture damage and vibration failures.

Standard Sensors Fail Where You Need Them Most. Fantom Thrives.

Asian fleet operations face unique challenges: heavy monsoon rains, high humidity, rugged terrains, and inconsistent fuel quality.

FANTOM

The MIELTA FANTOM BLE Advantage:

- 1. Premium Stainless Steel Construction:** Waterproof (IP67) and exceptionally resistant to dust, UV radiation, and heavy monsoon rains.
- 2. No Frequent Recalibration:** Advanced engineering resists "drift," holding perfect calibration through extreme temperature fluctuations.
- 3. Oil & Fuel Resistant Housing:** Specially designed to tolerate low-quality fuels. Fully resistant to corrosion from ethanol, acetone, and harmful additives commonly found in remote regions.





Fuel Theft & Fraud Detection

☹️ **Detects fuel adulteration** - alerts to water, acetone, and ethanol - common at remote stations

⚠️ **Identifies leaks** - alerts to foreign liquid ingress, rainwater, and tampering attempts

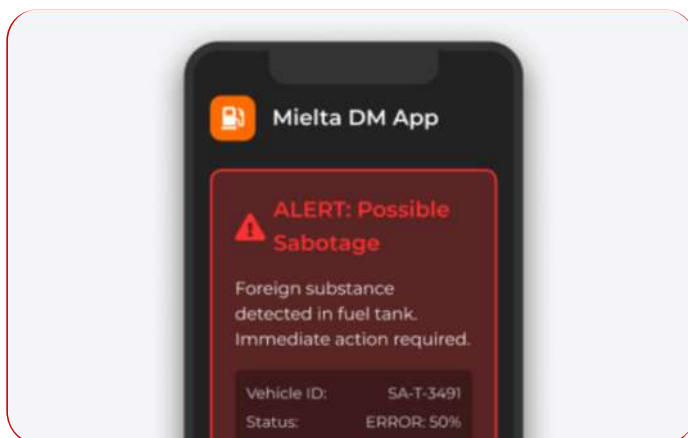
📄 **Secure logs** - retains data even if thieves temporarily disable the sensor

Engine Protection from Damage

💧 **Prevents corrosion and failures**- water or contaminated fuel destroys injectors, pumps, and filters

⚠️ **Early warning system** - fleet managers can drain fuel before damage occurs

🚀 **Avoid downtime** - a breakdown in the way means lost profits and stranded cargo



Extreme Durability & Zero Maintenance

📅 **7-year battery**- operates completely wirelessly without needing replacement

⚙️ **Zero recalibration** - stays perfectly accurate despite extreme temperature shifts

🛡️ **Weatherproof** - premium stainless steel resists monsoons, humidity, and corrosion

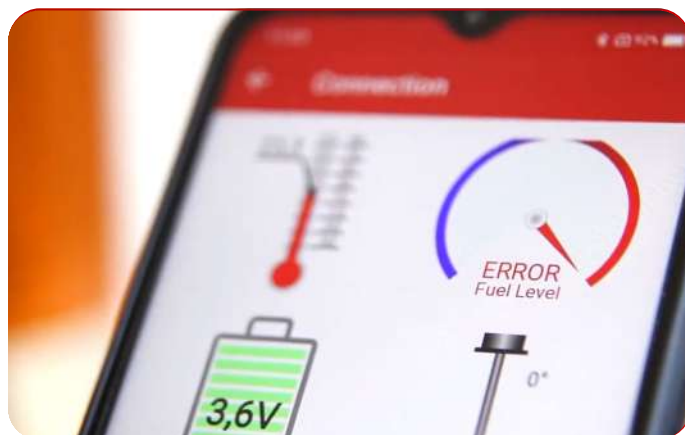


Smart Self-Diagnostic System

 **Remote error detection** - Instantly identifies the exact cause of incorrect data or calibration loss

 **Precise error codes** - sends specific numeric codes detailing the exact fuel deviation

 **Autonomous quality alerts** - warns managers immediately if water or bad fuel is detected

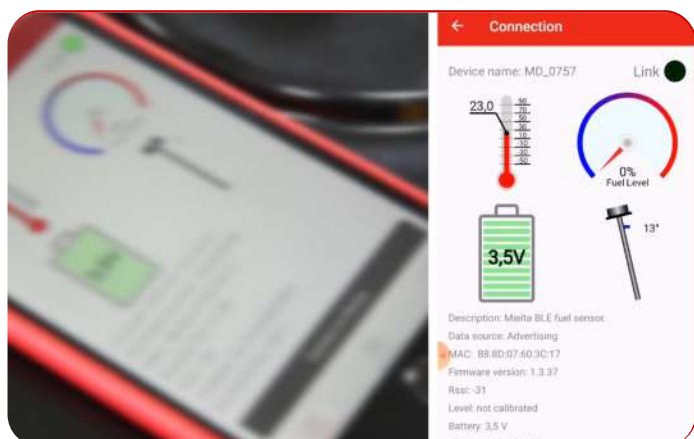


Active Protection & "Black Box"

 **Anti-shielding defense-** detects and securely records all signal-jamming and tampering attempts

 **Early warning system** - 4MB memory safely stores data even when offline or underground

 **Smart tilt compensation** -adjusts for vehicle angles to guarantee accuracy on steep roads



Advanced Wireless & Hardware

 **Bluetooth 5.0 (BLE)-** 100% wireless design eliminates easily sabotaged external cables

 **Mobile Configurator** - fast, tool-free setup and monitoring via the MIELTA DM smartphone app

 **IP69K & repairable** - extreme waterproof rating with quick, tool-free battery swaps in the field



TECHNICAL SPECIFICATIONS

Housing Material:	Premium Stainless Steel (Oil, Fuel, and Additive Resistant)
Ingress Protection:	IP67 / IP69K Certified (Fully waterproof & high-pressure washdown safe)
Operating Temperature:	-40°C to +80°C (Extreme climate resilience)
Communication Protocol:	Bluetooth 5.0 (BLE), 2.4 GHz & NFC Compatible
Power Supply:	3.6V Lithium Thionyl Chloride (ER-type)
Battery Life & Design:	7-year autonomous life; Tool-free replaceable design (2023+ models)
Internal Memory:	4 MB Flash (Continuous "Black Box" recording & software backup)
Measurement Accuracy:	Advanced inclination detection (Vehicle tilt compensation)
Active Protection:	Anti-shielding, mechanical tamper detection, and signal-jamming defense
Diagnostic System:	Autonomous detection of water, impurities, and calibration drift
Configuration Interface:	Wireless via MIELTA® DM App (Supported on Android & iOS)
Safety Certifications:	OExialBT6X (Explosion-proof / Intrinsically safe), CE, EAC
Warranty:	3 Years

MIELTA DM App: Total Control in Your Pocket

Take complete control of your fleet's fuel security directly from your smartphone. Available for both iOS and Android, the free MIELTA DM app connects seamlessly via Bluetooth for fast, wireless sensor configuration in the field. Fleet managers can instantly view real-time fuel diagnostics, receive precise error alerts for water or adulteration, and access the sensor's secure "black box" logs to uncover any offline tampering or sabotage attempts—ensuring total transparency with zero extra hardware.



FANTOM



***THE TOUGHEST ROADS DEMAND
THE STRONGEST RESOLVE.***



***WE GUARD YOUR RESOURCES SO YOU CAN
BUILD YOUR LEGACY.***



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