



Is Your fuel tanker truck Truly Secure on the Road?

We have the way!

**Eaglestar Smart Tank-lock System delivers real-time monitoring
and tamper-proof protection for your entire fleet.**



Smart Tank-lock System

Company

Eaglestar, located in Zhengzhou, China, is a leading manufacturer of petroleum equipment for retail petroleum markets. Since 2005, we have been deeply involved in the fuel dispenser industry. After over 20 years of development, Eaglestar has established a strong sales network across Africa, the Middle East, and Asia. Our high-quality products and convenient, rapid service have earned us a solid reputation. In markets such as Nigeria, Ghana, and Tanzania, Eaglestar stands as the No.1 brand with over 50% market share.

Innovation is at the core of everything we do. From R&D and design to production, quality control, and service, our highly professional team drives excellence across every segment. All electronic systems are developed in-house, with key components sourced from the US and Japan to ensure reliability. Our mechanical hydraulic systems are designed by Eaglestar and produced by qualified OEM partners. Our factory is ISO9001 certified, and beyond national explosion-proof and metrology approvals, we have also passed OIML testing and are currently pursuing ATEX certification.

With decades of experience serving station owners worldwide, we understand the challenges you face on the ground. We know that powerless feeling when you stand in front of a tanker, knowing something went wrong but unable to prove it. Trust alone is no longer enough.

That's why Eaglestar has built an entire Smart Lead Seal System — transforming the question of “trust” from a gamble between people into a contest between data and data. This is not simply an upgrade to traditional lead seals. It is a complete reinvention.

50000⁺

Annual production exceeds

70⁺

Patents For Invention

120⁺

Export Country

60000⁺ m²

Intelligent Factory



Three Core Advantages of Our Smart System



Active Security Managers

Flex Seal Lock offers real-time visibility, smart geo-fencing, and active theft prevention through connectivity.

Unbreakable Digital Security

Each seal features a unique, encrypted digital ID. Any tampering is instantly detected and reported, providing both physical and digital protection.



Complete Digital Traceability

IoT sensors provide real-time alerts for any unauthorized access. Every event is logged with full audit trail for instant investigation.



Smart & Sustainable Operations

IoT sensors provide real-time alerts for any unauthorized access. Every event is logged with full audit trail for instant investigation.



Real-time GPS signal



Eaglestar Smart Tank-lock System



Fixed Seal Lock



Manhole



Flex Seal Lock

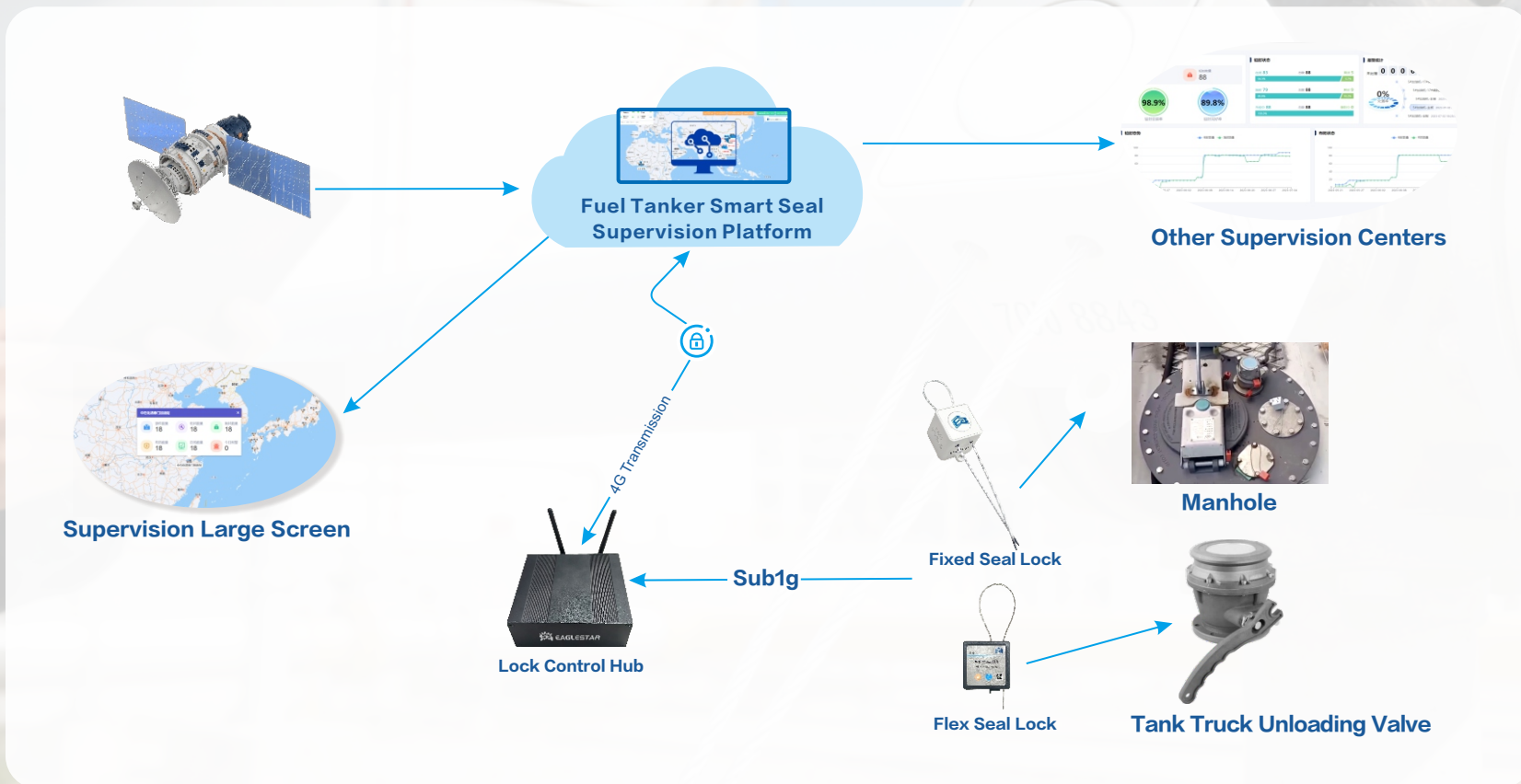


Lock Control Hub



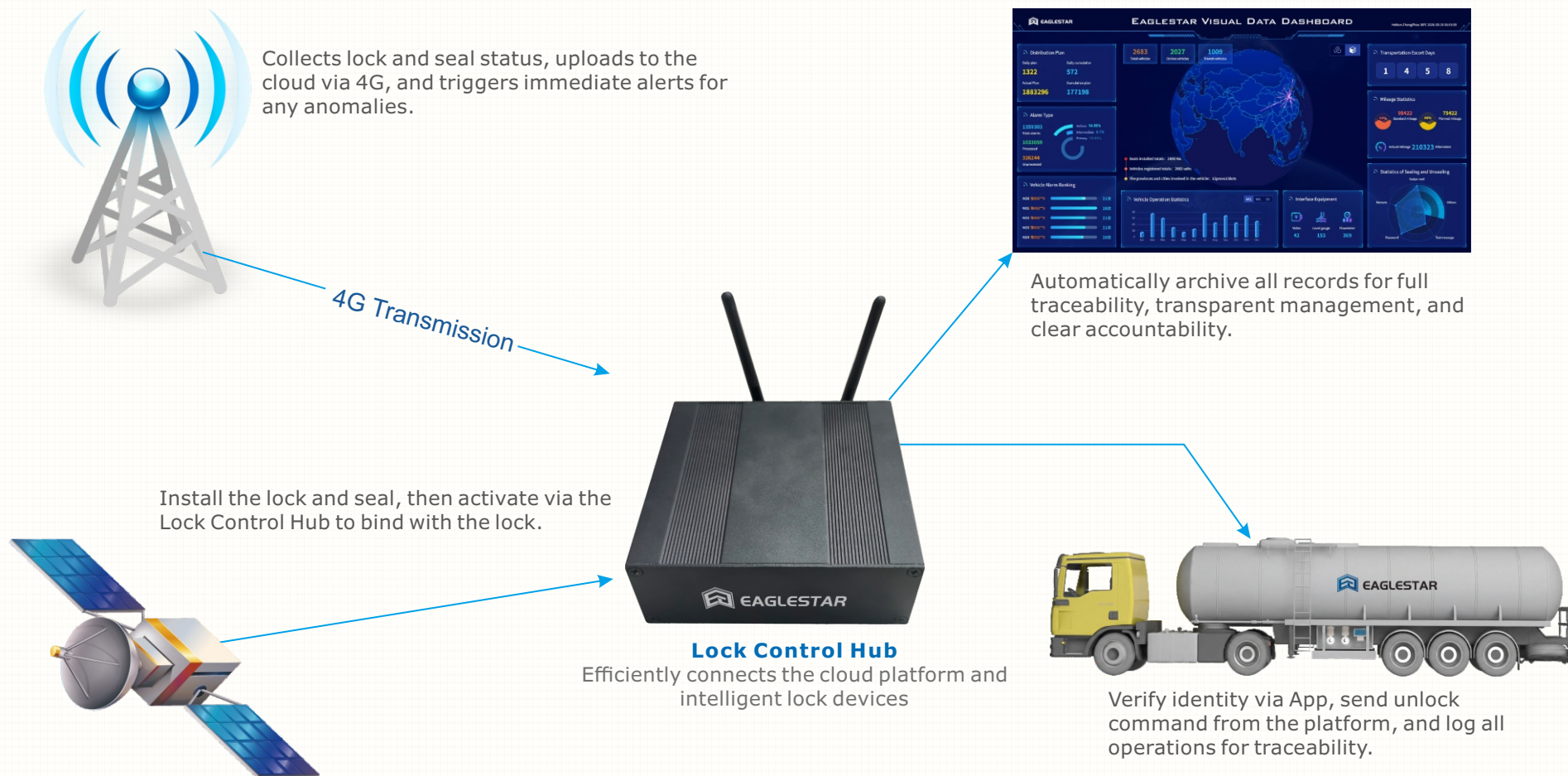
Overall Solution Architecture

Our system creates a closed-loop smart security management system through three core components: Smart Flexible Seal Locks installed on critical points collect real-time data; the Telemetry Hub aggregates and transmits data to the cloud; the Cloud Management Platform processes data, provides monitoring, track playback, and alerts.

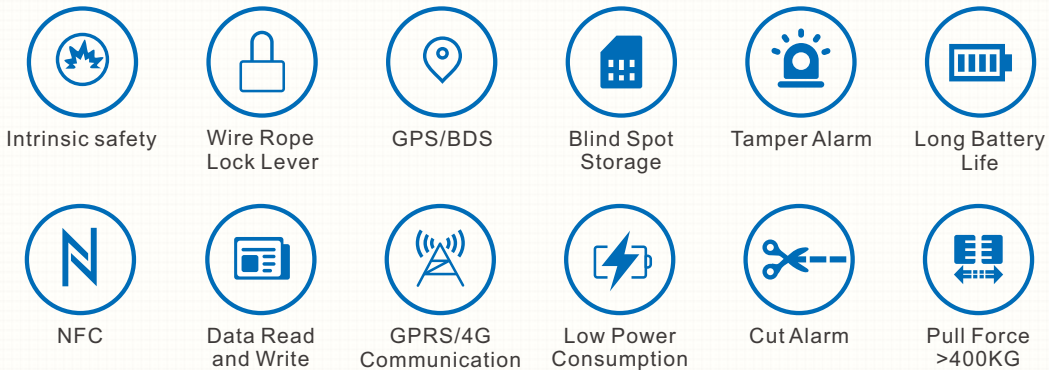


Lock Control Hub

Installed in the vehicle's cab, it communicates with smart locks via LoRa module to realize data reporting, command reception, and parameter configuration functions, acting as a bridge between locks and the cloud platform.



Flex Seal Lock



- **Bidirectional Locking**

Once locked, the wire is secured in both directions — no forward or backward movement. The lock's status provides a clear visual indication of whether the tank is safely secured, making cargo safety easy to confirm at a glance.

- **Flexible Adaptation to Multiple Scenarios**

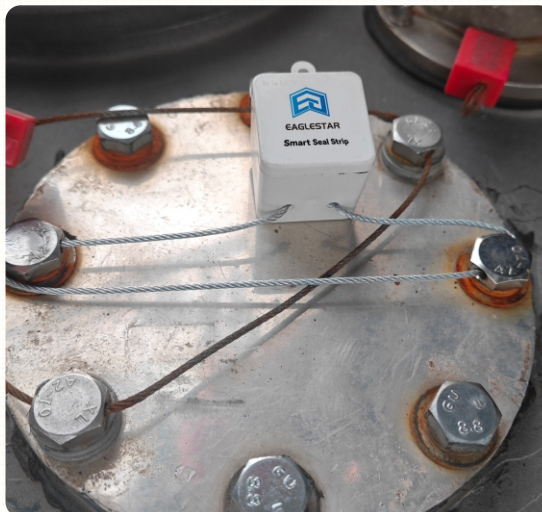
Highly adaptable to various transportation vehicles and critical logistics access points.

- **Intrinsically Safe Explosion-Proof Equipment**

An intrinsically safe explosion-proof device designed for hazardous environments such as fuel tankers.

- **One investment, lasting returns. Lower lock cost, trip after trip.**

Fixed Seal Lock



Disposable Lead Seal Strip

- A single-use component made of special material that is waterproof and dustproof. It is threaded through the lock to secure the hatch. If the strip is cut, an immediate alarm is triggered, ensuring security.



**The cloud system will immediately issue an alert message,
notifying you via your mobile phone or computer.**



1. When the Flex Seal Lock is unlocked without authorization.
2. when the lock body is damaged.
3. when the steel wire is cut.



When the lead seal is cut.

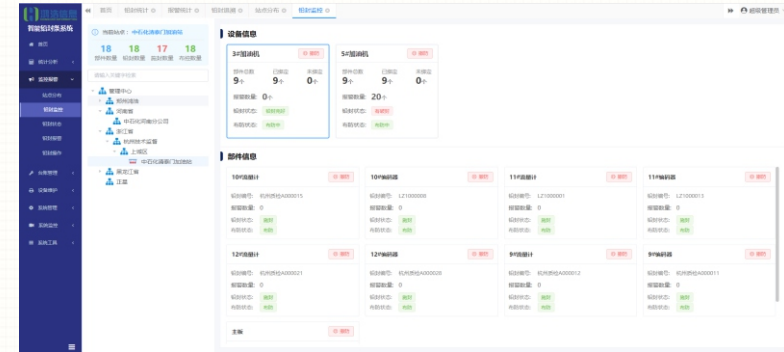


Platform Interface Showcase

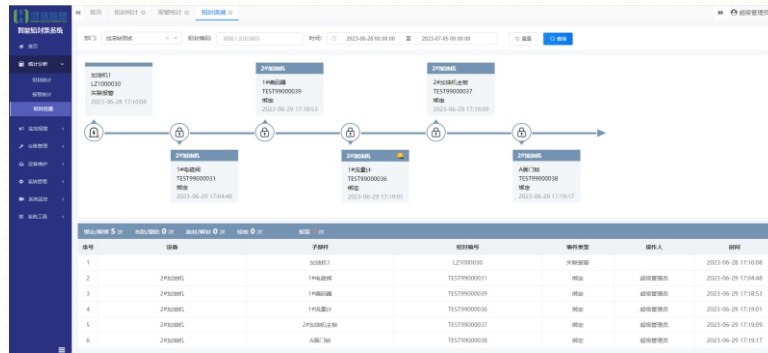
Platform Overview



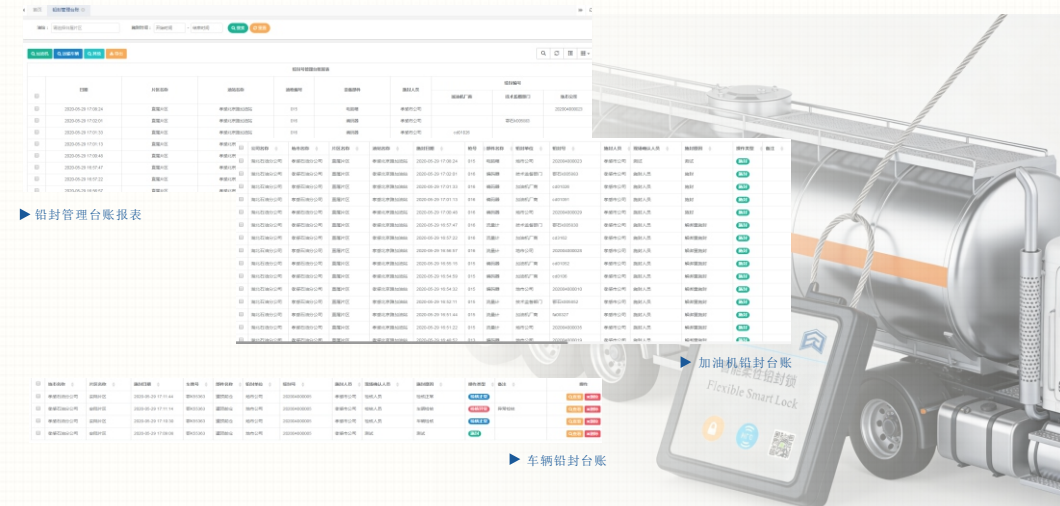
Status Monitoring

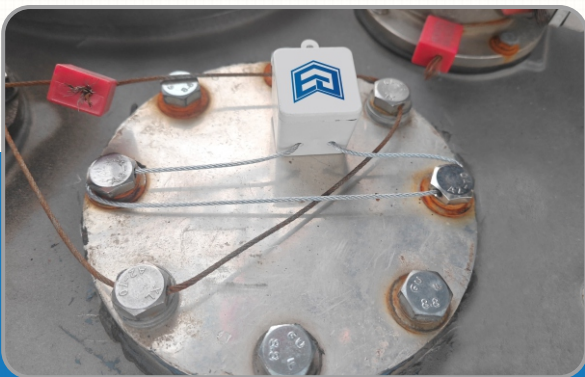


Proactive Alerting



Seal Ledger







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