



GAUSS INTELLIGENT EQUIPMENT PRESENTATION



01 COMPANY PROFILE

since **1999**

It has been more than 25 years of development

16000 m²

The production base area

36000+

Cooperative Clients

200+

Permanent Employees

Since 1999, Jiangxi Gauss Special Equipment Co., Ltd. is a comprehensive manufacturer specializing in the design, R&D, production, and sales of inflatable decoys, military inflatable tents, and mobile hangars.

The company operates under a well-established and scientific quality management system, with over 200 employees, including more than 50 experienced R&D and technical specialists. Equipped with over 80 advanced production machines, we ensure strong large-scale manufacturing capacity as well as customized solution capabilities.

Our products are widely used in both military and civilian applications and have been exported to numerous countries worldwide, earning consistent recognition for reliability and quality.

In addition, we maintain a dedicated R&D center in Fuyang, Hangzhou, focusing on intelligent innovation and continuous product development. This allows us to steadily enhance performance, expand application scenarios, and deliver high-quality, dependable special equipment solutions to global customers.

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CERTIFICATES



► Order Process

Initial Consultation & Requirements Gathering
Technical Assessment & Solution Design
Detailed Design & Final Confirmation

Contract Signing & Advance Payment
Production & Testing
Customer Acceptance, Final Payment & Delivery



02 Military Decoy

High-Fidelity Simulation Precision Deception

Multi-Spectrum Integration All-Domain Protection

Adopting advanced simulation design and material technology, our products replicate the multi-band signatures of real targets across radar, infrared, and visible light spectrums. This effectively deceives enemy reconnaissance and guidance systems, providing reliable concealment and survivability for combat platforms.



Multi-Spectral Simulation

Realistic multi-spectral signature simulation (radar, infrared, visual) for enhanced decoy effectiveness.



Modular Design

Modular architecture enables easy transportation, rapid deployment, and flexible configuration.



Rapid Deployment

Lightweight design allows for quick setup and retrieval by a single soldier or via vehicle.



Reliability & Durability

High-strength composite materials withstand harsh environments, ensuring long-term stable performance.

Core Technical Capabilities



RADAR CHARACTERISTICS



Simulate target radar signatures to effectively decoy.



Frequency Range

1~20 GHz



Wave Transmittance

$\leq 1\%$



Radar Reflectivity

$\geq 95\%$



Tensile Strength

≥ 1600 N/5cm



Tear Strength

> 45 N

INFRARED CHARACTERISTICS



Simulate target infrared heat distribution to jam infrared homing weapon identification and tracking.



Wide Temperature Range



Multi-Zone Control



Rapid Response



Low Power Design

Inflatable Air Defense and Anti-Missile Position

- **Full-Customization Capabilities:** THAAD System, Patriot System, All Types of Military Radars / Missile Launch Vehicles.
- **High-Fidelity Simulation:** 1:1 Scale Replication Radar + Infrared Signature Emulation.
- **Application Scenarios:** Battlefield Decoying, Military Exercise Targets, Position Layouts, National Defense Exhibitions.
- **Product Advantages:** Lightweight & Detachable, Easy Transportation, Reusability, High Cost-Effectiveness.



Radar Vehicle

Air Defense Missile Launcher Vehicle

Rocket Artillery Launcher Vehicle

Communication Vehicle

Air Defense Missile Launcher Vehicle



Patriot Radar Vehicle System



Remote-Controlled Rotation

Remotely control the antenna rotation angle for rapid orientation adjustment.



One-Touch Auto Inflation/Deflation

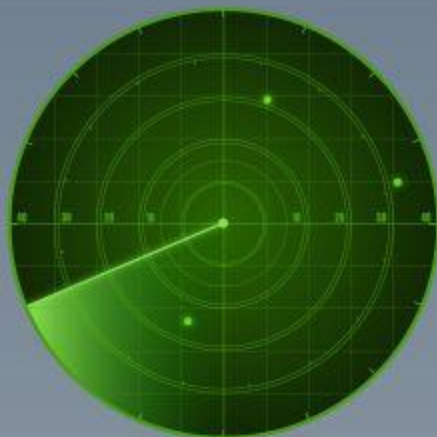
One-touch control completes inflation and deflation of the equipment airbags for rapid deployment or retraction.

Infrared Heat Source Simulation

Simulate the infrared heat distribution characteristics of real equipment to generate a controllable heat source signal.

Omni-Directional Coverage

360° omni-directional radar signal simulation, covering multiple frequency bands and waveforms.



Simulated Audio

Built-in multiple simulated sound sources to enhance deception effectiveness.



Controllable Smoke

Produces controllable smoke to simulate battlefield environments and enhance visual deception effectiveness.



Smoke Emulation

Multi-modal Deception

Radar, IR, acoustic, and smoke signatures work in synergy to form a multi-dimensional deception network.

Rapid Deployment

One-touch auto inflation/deflation and modular design enable quick setup and teardown.

High Fidelity

Accurately replicates real equipment signatures to enhance decoy authenticity and effectiveness.

Superior Environmental Adaptability

Designed for diverse terrain and climate conditions, with excellent environmental resistance.

Inflatable Radar Vehicle Series

Patriot PAC-3 Core Radar



Radar Vehicle A



Radar Vehicle D



Radar Vehicle B



Radar Vehicle C



Inflatable missile launcher

PAC-3 Missile Launch Vehicle



Missile Vehicle A



Missile Vehicle B



Missile Vehicle C



Functional vehicle

Command & Control Vehicle



Shelter Vehicle



Communication Support Vehicle



Satellite Communications Vehicle



Off-road Vehicle



Inflatable Airplane

Fighter Aircraft 1(Remotely Operated)



Fighter Aircraft 3



Helicopter



Mi-171



Inflatable Artillery Howitzer



Inflatable Military Tank

T-72 MBT



Type 59 Medium Tank



M60T Main Battle Tank



T-72 Main Battle Tank



Merkava Tank



03 Prefabricated Mobile Space



Since the 1990s, the U.S. military took the lead in adopting mobile equipment storage sites for the long-term storage and maintenance of critical assets as well as ad hoc military missions. This innovative solution has since been widely adopted by countries across Europe, Asia and other regions.

Especially in earthquake-prone island areas, such structures are hailed as "lifesaving buildings" for their excellent seismic resistance and the ability to be rapidly converted into emergency shelters, gaining widespread civilian popularity. Featuring a unique air-supported design, they utilize free ambient air as structural support with remarkable comprehensive advantages, drawing extensive attention and cross-industry application.

To further enhance safety and operational efficiency, intelligent terminals are deployed for real-time condition monitoring of prefabricated mobile spaces. The system collects and processes operational data in real time, identifies potential risks, and triggers immediate early warnings. It delivers round-the-clock safety monitoring services for global clients and ensures the safe and stable operation of hangar facilities.



Prefabricated Mobile Space Subsystem Overview

Camouflage Skin System

With visible, infrared and radar stealth, nano-metal coating cuts RCS, blocking enemy detection for full concealment.

Inflatable Structure System

Dual-patented high-strength structure: wear-resistant, airtight, temperature-adaptive, mildewproof, flame-retardant and corrosion-resistant.

Wind-proof Anchoring System

Patented wind-resistant structure with diversified fixtures ensures extreme stability and facility safety.

Storage Shelter System

All-metal customized cabin with ventilation & drying functions, with over 15-year service life.

Pressure Control System

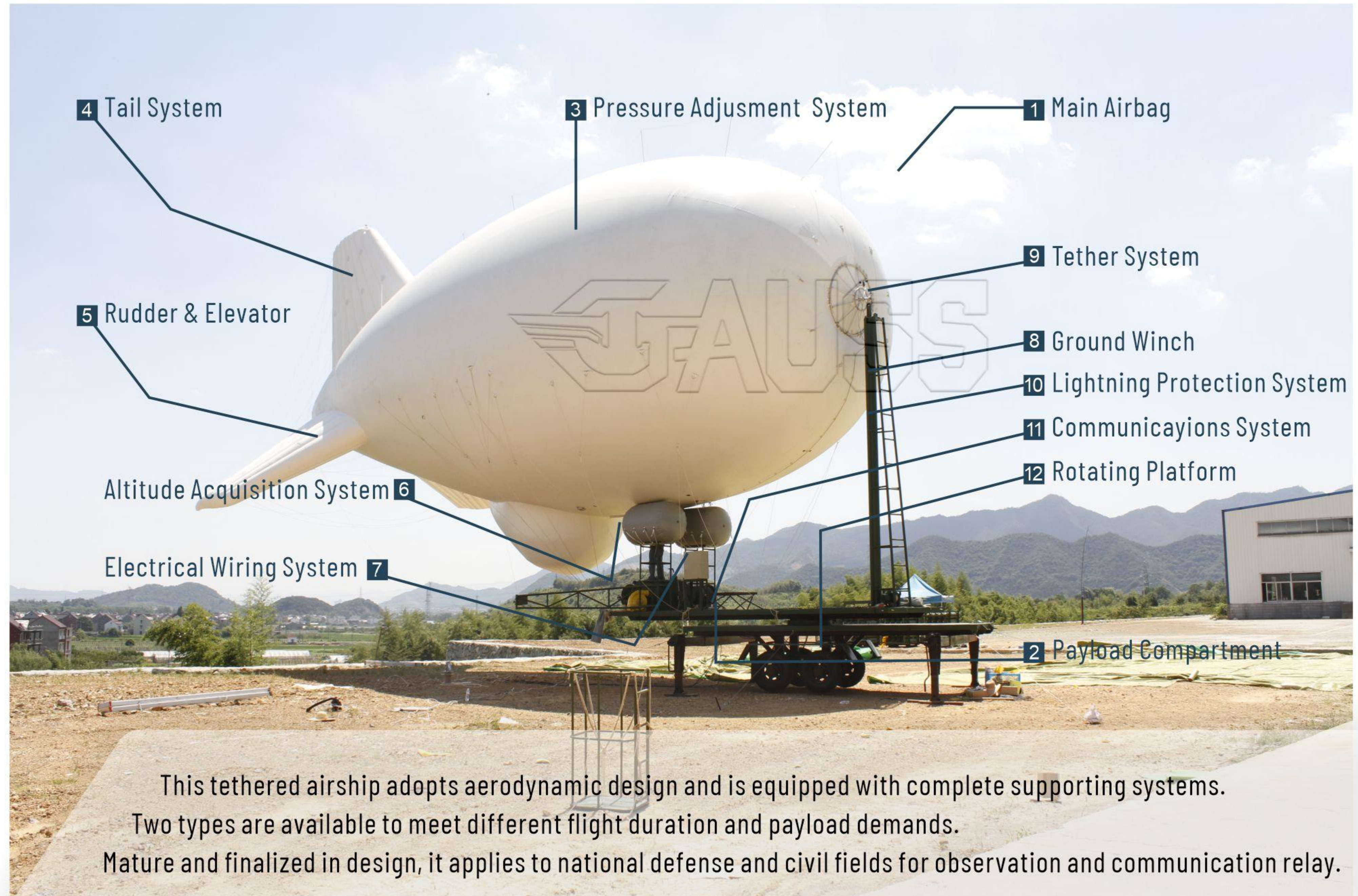
PLC intelligent control, 220V/380V compatible, auto real-time pressure adjustment with safety alarm functions.



Inflatable tent

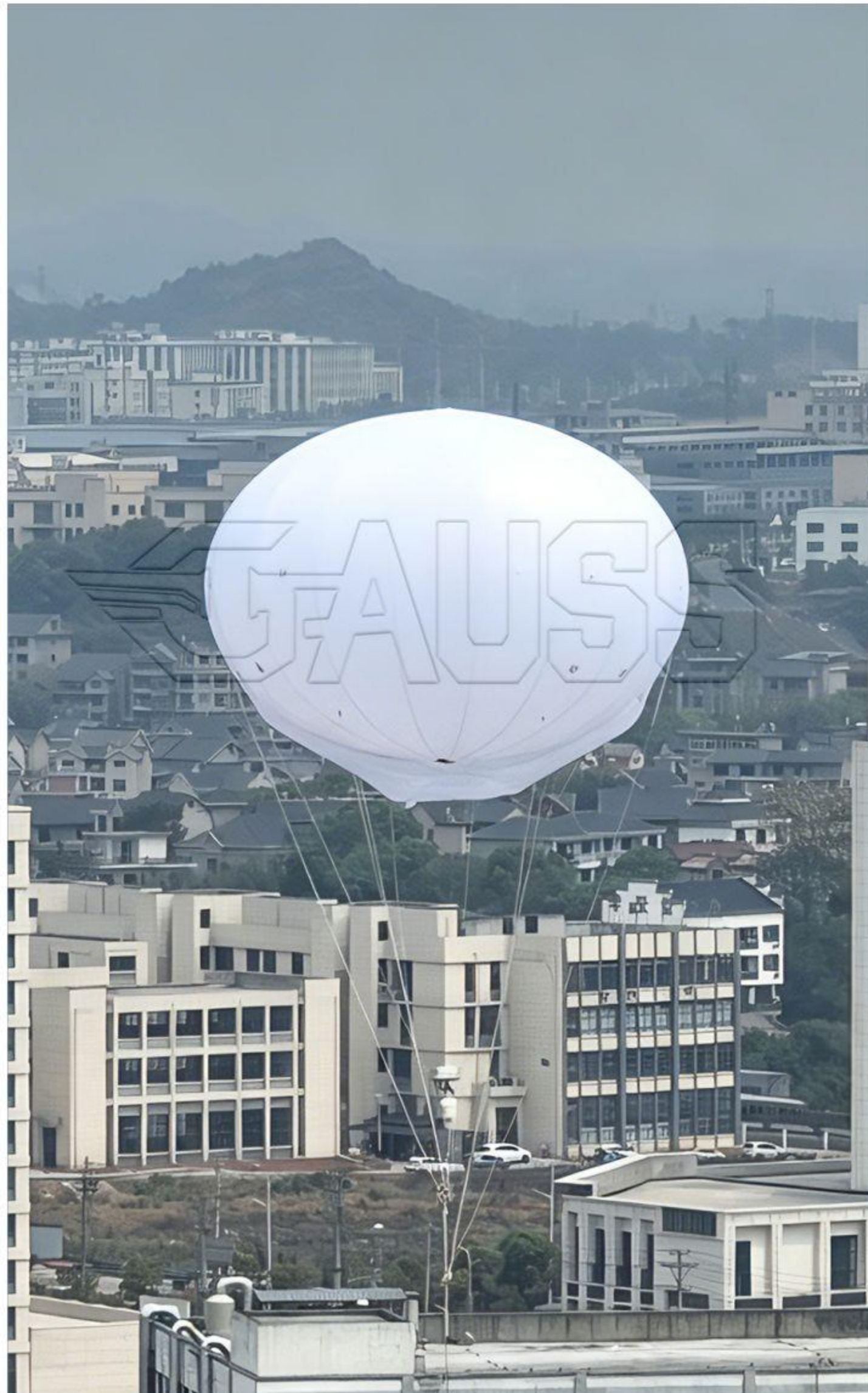


04 Aerostat

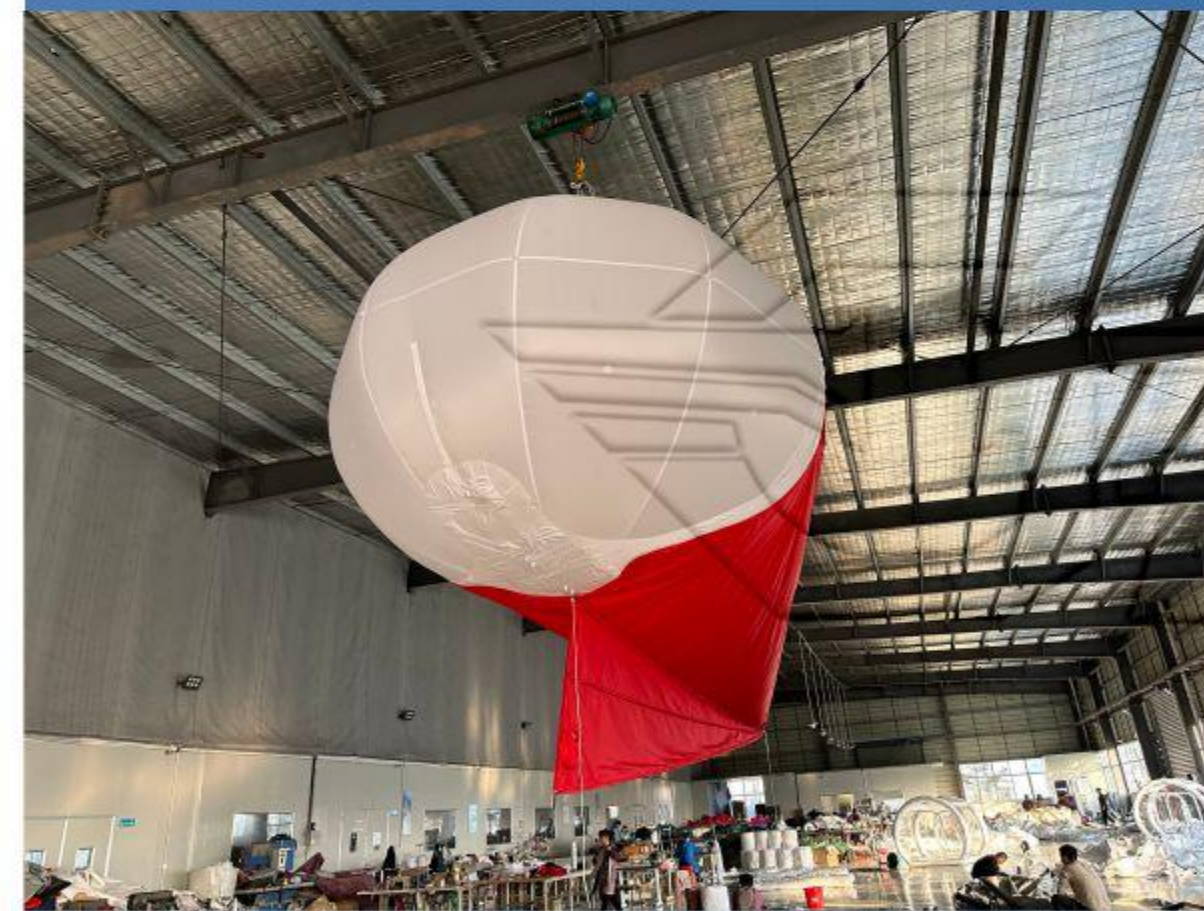


This tethered airship adopts aerodynamic design and is equipped with complete supporting systems. Two types are available to meet different flight duration and payload demands. Mature and finalized in design, it applies to national defense and civil fields for observation and communication relay.

Surveillance Balloon



Helium filled balloons are non-flammable, safe and stable. Fitted with a dual-axis rotating gimbal, they enable accurate payload positioning. Advanced optoelectronic sensors capture high-definition images, while the built in high speed transmission link ensures real-time data transfer to the ground station. The ground station is equipped with professional monitors and control units, delivering an intuitive interface for remote precise control and real-time monitoring and analysis, greatly improving monitoring efficiency and response speed.



- Carried by the wind
- Typically constructed by suspending a camera beneath a balloon
- Equipment attached may include radar systems

- Since the inception of satellites, spy balloons were rendered largely obsolete but are preferred because of their low cost

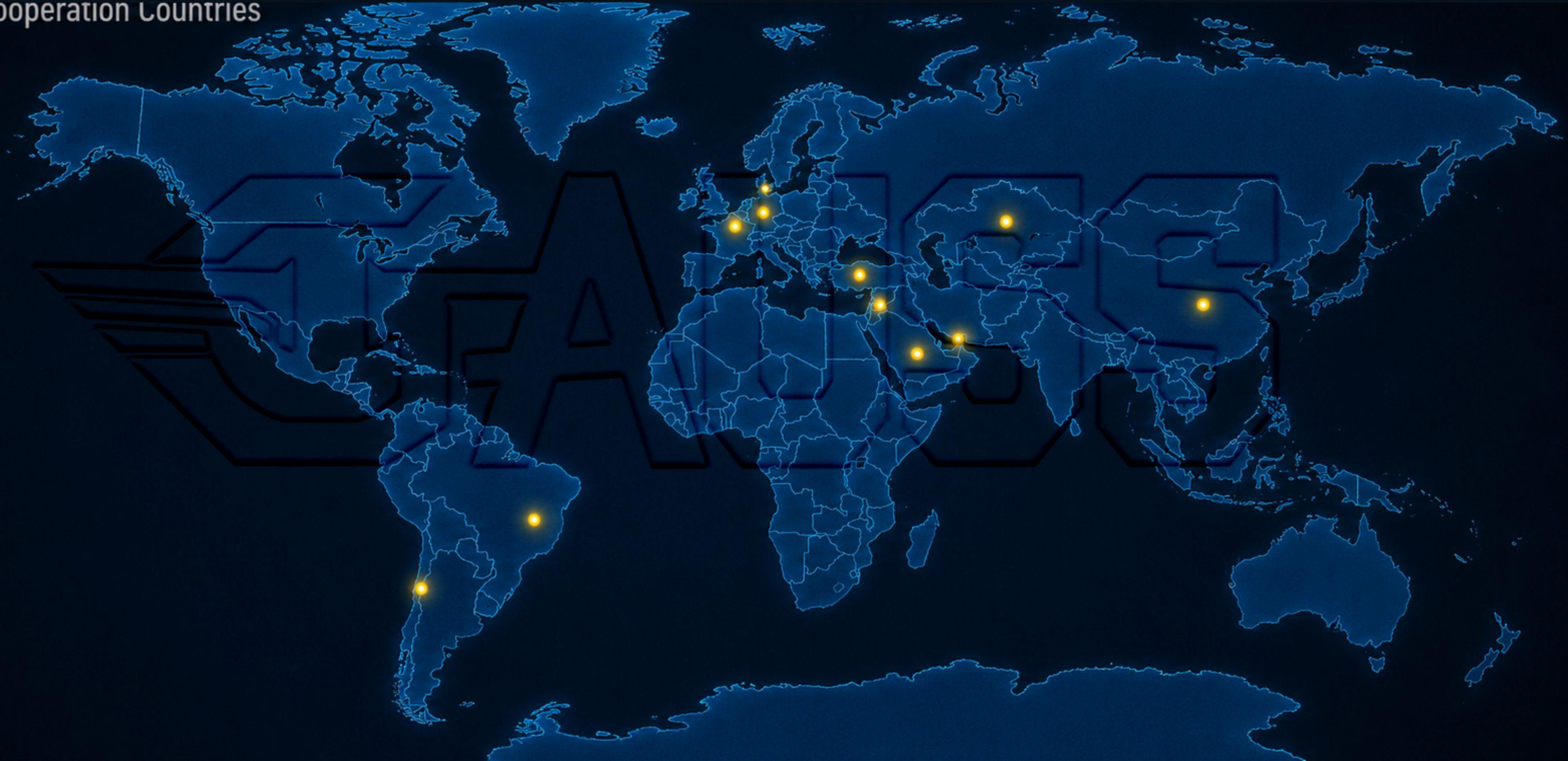


- UAV surveillance
- Border patrol and target search
- Coastal and forest monitoring
- Intelligent VIP protection
- Traffic and road monitoring
- Forensics & evidence collection
- Communication relay

05 GLOBAL PROJECT PERFORMANCE

International Cooperation Countries

-  Germany
-  UAE
-  Saudi Arabia
-  Turkey
-  Chile
-  Belgium
-  China
-  Brazil
-  Kazakhstan
-  Jordan



Global Project Achievements



8000+

Decoy Systems Delivered



20+

Countries & Regions Served



120_{M+}

Defense Product Portfolio



10 Years

of International Partnerships



36_m

Largest Tethered Airship Delivered



**Multi-Domain
Target Simulation**

Tanks / Aircraft / Artillery
Radar Systems

GAUSS



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