

### Smart manufacturing factory

East side of 2nd floor, 3rd floor, No. 199 Hongxi Road, Niutang Town, Wujin District, Changzhou Jiangsu China

### South China Sales Center

Room 116, Huichuang Space, TCL Cultural Industry Park, No. 69 Spectral West Road, Huangpu District, Guangzhou Guangdong China


### East China Sales Center

9th Floor, Building 40, Kailong Jinling Building, No. 1888 Xinjinqiao Road, Pudong New Area, Shanghai

### Industrial Safety Sales Center

B506, Xinfeng Business Building, No. 16 Liuhe Road, Xihu District, Hangzhou Zhejiang China

 [wz@wanzn.com](mailto:wz@wanzn.com)

 +86-21-5890 9503

 [www.wanzn.com](http://www.wanzn.com)

All rights reserved © Wanzn New Energy Technology (Shanghai) Co., Ltd. reserves all rights.



WeChat official account

# WANZN ENERGY SAFETY

Escort the fireless nature grace to every corner of the world



[www.wanzn.com](http://www.wanzn.com)



# ENERGY STORAGE FIRE SAFETY PRODUCTS MANUFACTURER & GLOBAL INTEGRATED SOLUTION PROVIDER

Wanzn is a leading global manufacturer of energy storage fire safety products and a comprehensive solution integrator. The company is committed to providing customers with the most extensive technical support and after-sales service for energy fire safety, covering a wide range of sectors, including commerce, industry, public institutions, and infrastructure. Wanzn has established branches in Eastern, Southern, and Central China, and has successfully obtained certifications from SGS for its ISO9001 quality management system, ISO14001 environmental management system, and ISO45001 occupational health and safety management system.

To support the rapid development of new energy enterprises, both domestically and internationally, in terms of safety needs, Wanzn established the Energy Fire Safety Business Unit in 2012, becoming one of the earliest companies in China to provide energy storage systems that comply with NFPA standards. Wanzn offers comprehensive technical solutions for energy security and can assist clients in completing AHJ audit deliveries. The company continues to invest heavily in product and system research and development, enabling it to maintain an industry-leading position in technological innovation, product innovation, brand recognition, and global authoritative organization certification in energy storage and fire safety.

## Global Vision · Following Rules to Advise

- International fire safety brand partners **30+**
- Global Project Use Cases Countries and Regions **100+**
- Experience in entering the BESS fire protection system industry **12+**
- Professional technical personnel in energy storage and fire safety **20+**



CCC



CE



UL



ULC



FM



ACTIVFIRE



Vds



LPCB



UKCA



# ACHIEVE EXCELLENCE, ENERGY STORAGE FIRE SAFETY NAVIGATOR

Wanzn is committed to technology-driven innovation and product development, providing customers with better solutions and products, and creating greater value. The company is the first in China to focus on energy storage fire safety products and solutions, with project deployments in over 100 countries, and has become a strategic partner for dozens of renowned international fire safety brands. Wanzn has long-standing experience in serving various enterprises, including power generation, network energy data centers, energy storage power stations, gas power generation, nuclear power, wind power, and new energy power. The company employs more than 20 technical experts with over 10 years of industry experience in the field of energy fire safety, enabling it to provide customers with fire protection solutions that comply with NFPA, EN, AS, and GB standards. Through its dedication to innovation and its deep industry expertise, Wanzn is well-positioned to deliver comprehensive and tailored solutions that address the evolving fire safety needs of its diverse customer base across multiple sectors.

## Professional Energy and Fire Safety Partner

- In 2012, the first provider of NFPA standard energy storage projects.
- In 2017, the first UL standard addressable intelligent fire protection, fire suppression, and lighting solution was applied to modular data centers.
- In 2018, the first energy storage project to apply active combustible gas detection to NFPA standards.
- In 2018, the first energy storage project to apply self-developed suppression tube fire extinguishing products to NFPA standards.
- In 2019, the first energy storage project to apply self-developed active air intake and exhaust systems to the NFPA standard.
- In 2019, an NFPA standard energy storage project (652MW) was provided for the largest single ESS project at that time.
- In 2021, provide the EN standard energy storage project (1.3GW) for the largest single ESS project at that time.
- In 2021, won the Best Fire Safety Solution Award in China's Energy Storage Industry. In 2022, the first energy storage project to mass apply the design of Explosion Vents to the NFPA standard.
- In 2023, Gaogong Energy Storage - New Product Innovation Award.
- In 2024, Changzhou Smart Manufacturing Factory was officially completed and launched (IATF16949).



### Manufacturer of Fire Safety Products

Wanzn is a professional manufacturer of fire safety products, providing customers with excellent fire safety products (UL38/UL268/UL217/UL884/UL1638/UL2075/UL1424/UL2196/UL2127/UL2166/UL2775/UL199/UL1-384, etc.), including early gas detection, Flexible suppression T-Tube, active intake and exhaust systems, fire detection and extinguishing systems, pressure relief devices, etc. Wanzn's products are of reliable quality and comply with international standards, committed to protecting the safety of energy storage systems.



### Fire Safety Plan Design Party

According to relevant standards such as NFPA855, we are able to provide energy storage fire protection system design solutions that comply with BSEN5839/EN15004/EN12845/EN14491/ISO6184/VDI3673/NFPA72/NFPA001/NFPA13/NFPA750/NFPA2010/NFPA68/NFPA69/AS7240/AS1670/AS4214/AS4118/AS2118/AS4587/AS4487 standards. We can deliver them quickly under high quality requirements and solve the global access problems of energy storage products for our customers.



### Fire Safety System Integrator

Strictly follow the implementation procedures of the Wanzn Energy Storage Fire Safety System project for system integration, and all operational process documents are subject to ISO9001 quality system control (SGS audit). Wanzn provides global and full lifecycle after-sales support services to support customers in handling operational issues after the delivery of energy storage products at home and abroad.



# WANZN CORPORATE CULTURE

## Professional Excellence

Wanzn is dedicated to pursuing professional excellence through continuous learning and the accumulation of in-depth industry knowledge. The company consistently enhances its technical capabilities and market awareness to ensure that its products and services remain at the forefront of the industry, delivering the highest level of expertise to its customers.

## Customer Orientation

Customer satisfaction is the core value that drives Wanzn's work. The company listens closely to its customers' needs, deeply understands their challenges and goals, and provides tailored solutions to address their unique requirements. Wanzn is committed to building long-term, collaborative relationships with its customers, growing together and achieving mutual success.

## Innovation and Progress

Wanzn encourages innovation and continuous improvement, fueling the development of cutting-edge technology and business strategies. The company empowers its team members to propose new ideas and solutions, promoting a culture of creativity and progressive thinking. Wanzn actively responds to industry changes and challenges, constantly seeking new opportunities and breakthroughs to stay ahead of the curve.

## Teamwork

Wanzn emphasizes the power of teamwork and collaborative spirit. The company encourages mutual support, trust, and respect among its team members, fostering cooperation to achieve common goals. Wanzn believes that through effective coordination and collaboration, it can better serve its customers and achieve lasting success.

## Social Responsibility

As a responsible corporate citizen, Wanzn recognizes its duty and obligation to society and the environment. The company is committed to sustainable development, implementing environmental protection measures, and actively participating in social welfare initiatives. Wanzn encourages its employees to engage in volunteer activities and community service, making positive contributions to the communities in which it operates.



### Our Vision

Escort the fireless nature grace to every corner of the world



### Our Mission

Clients' success grants our access



### Our Value

Originality, Truth, Excellence, Faithful



## COMPLIANCE ESCORT

Provide energy storage fire safety solutions that comply with overseas regulations such as national standard 3C, American standard NFPA, European standard EN, Australian standard AS, etc;

To ensure the compliance of customer projects.



## EXCELLENT QUALITY

Adhere to ISO9001 and IATF16949 quality management systems, use digital technology to trace the source of raw materials;

Provide products certified by authoritative third parties such as UL, FM, CE, LPCB, VDS, AS, ATEX, etc;

Provide customers with high-quality products.



## FAST AND STABLE DELIVERY

Having Changzhou Smart Manufacturing Factory, Shanghai Lingang R&D Center (Under Preparation), and two major delivery centers in East and South China;

A comprehensive global supply chain system and strategic partners with dozens of overseas component manufacturers in China;

Provide customers with fast and stable product delivery.



## GLOBAL SERVICES

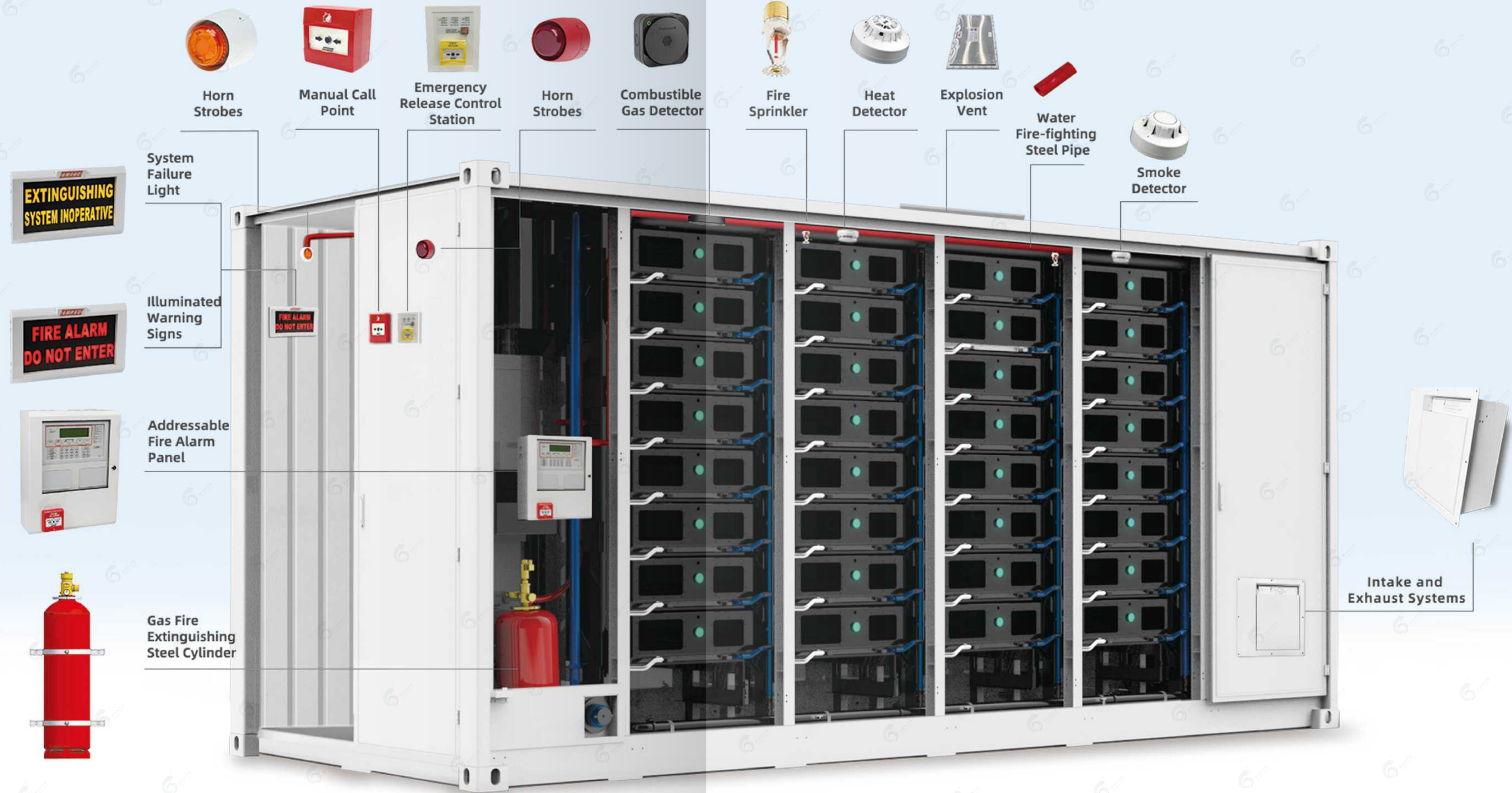
A service network covering the world, in collaboration with internationally renowned fire service providers, to jointly provide full lifecycle service guarantee;

Solve the concerns of overseas after-sales service for customers.



# ADDRESSING FIRE PROTECTION SYSTEM

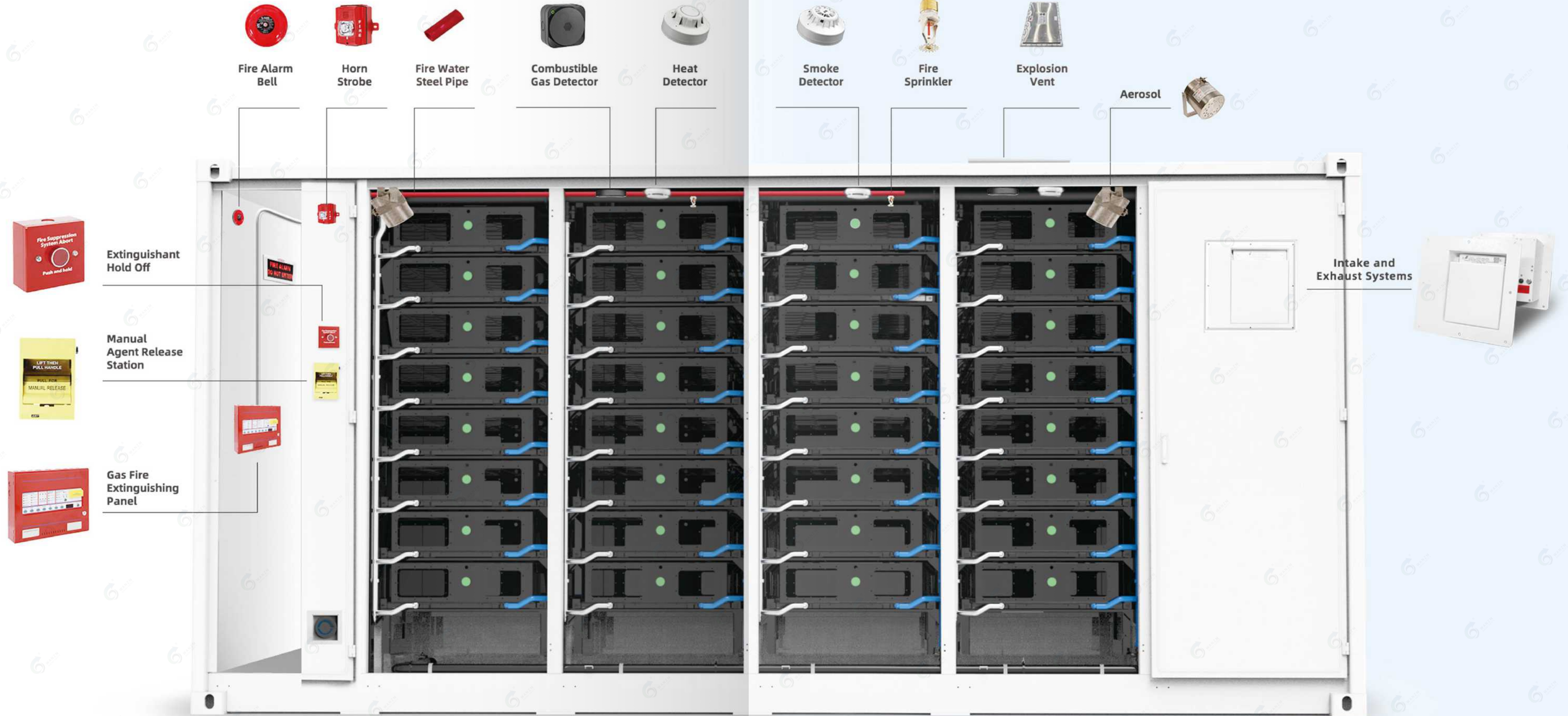
UL/CE/AS/GB





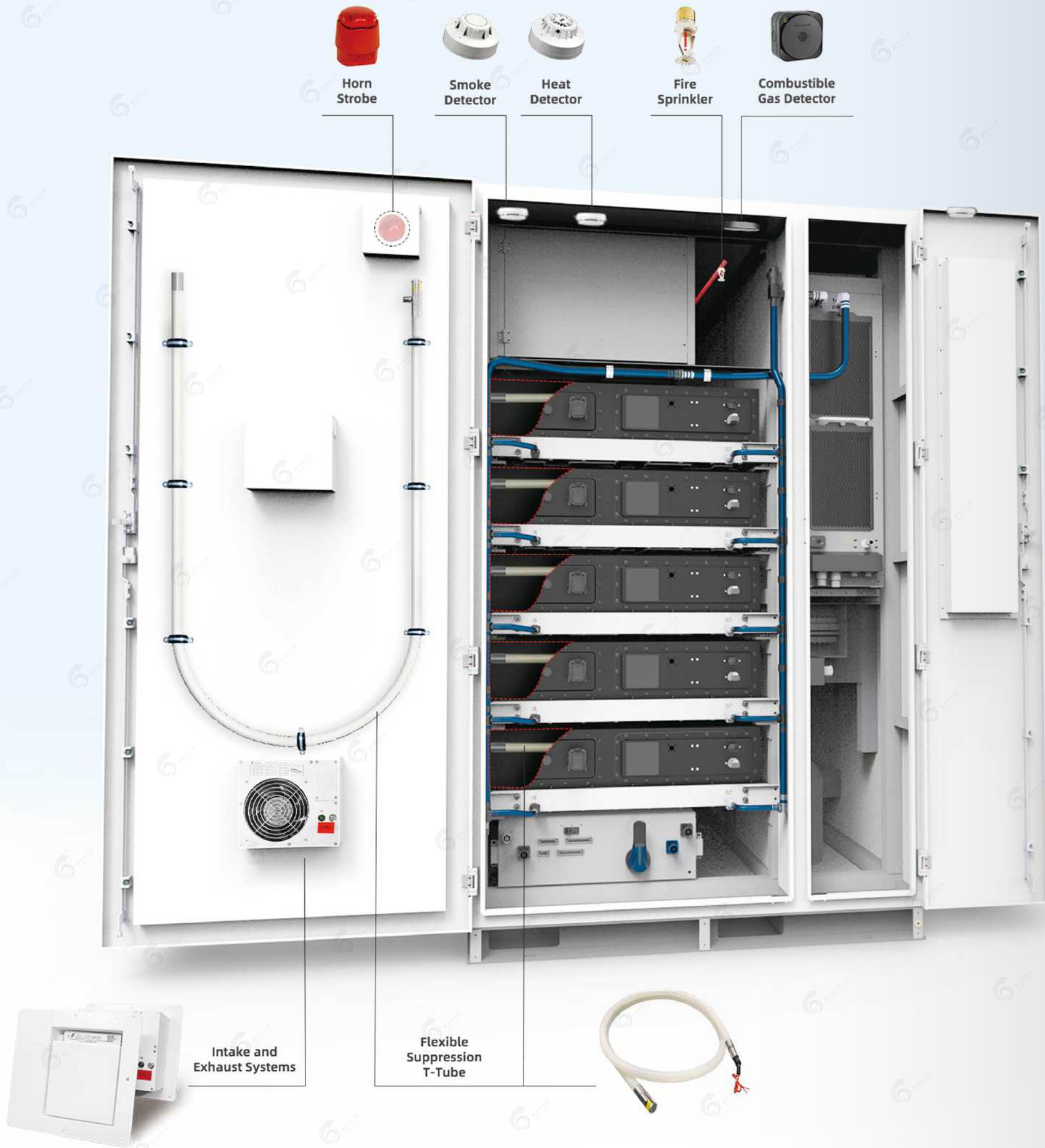
# CONVENTIONAL FIRE PROTECTION SYSTEM

UL/CE/AS

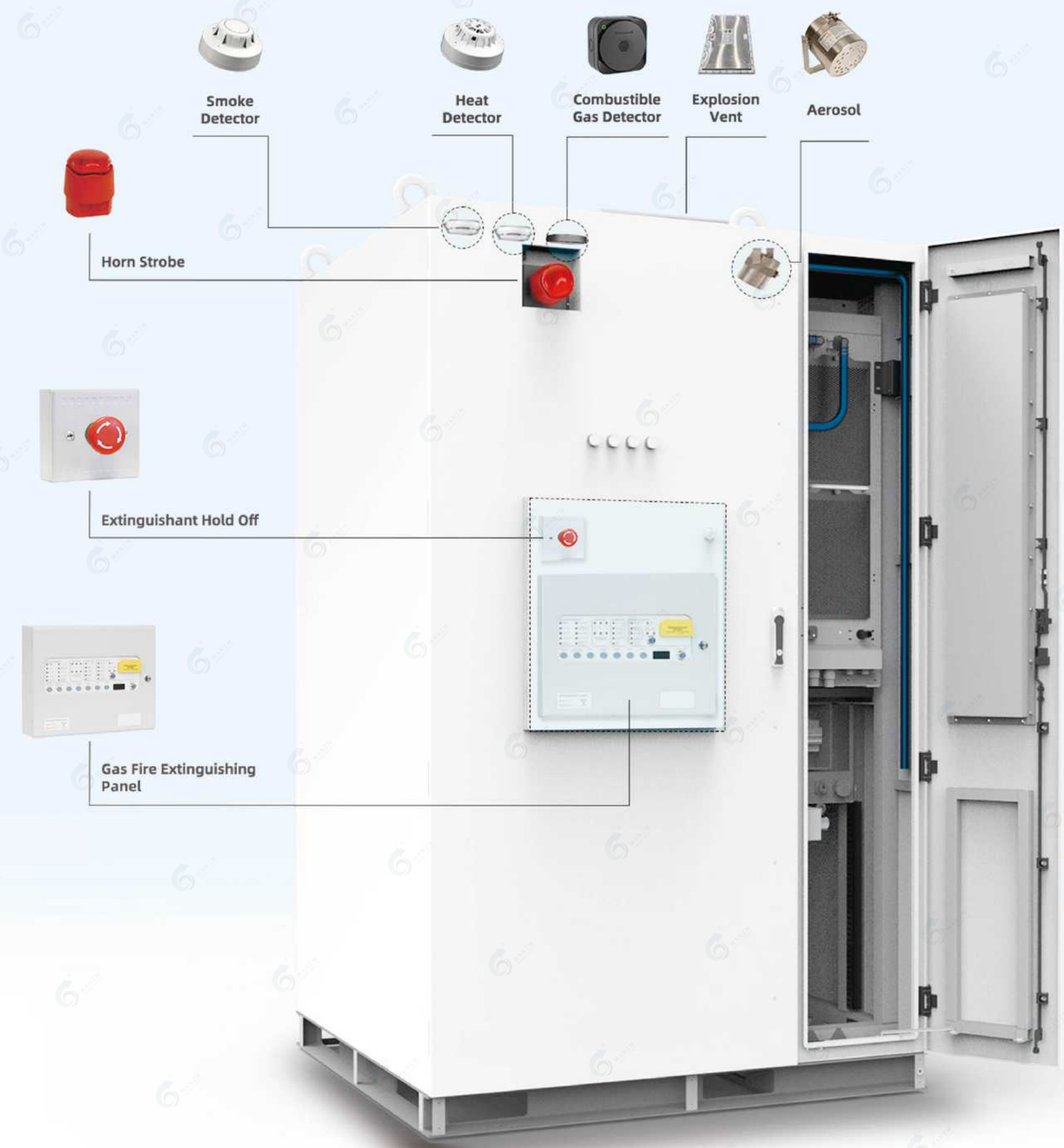




# T-TUBE FIRE PROTECTION SOLUTION



# AEROSOL FIRE PROTECTION SOLUTION





# ESS FIRE PROTECTION SOLUTIONS



## Energy Storage Box

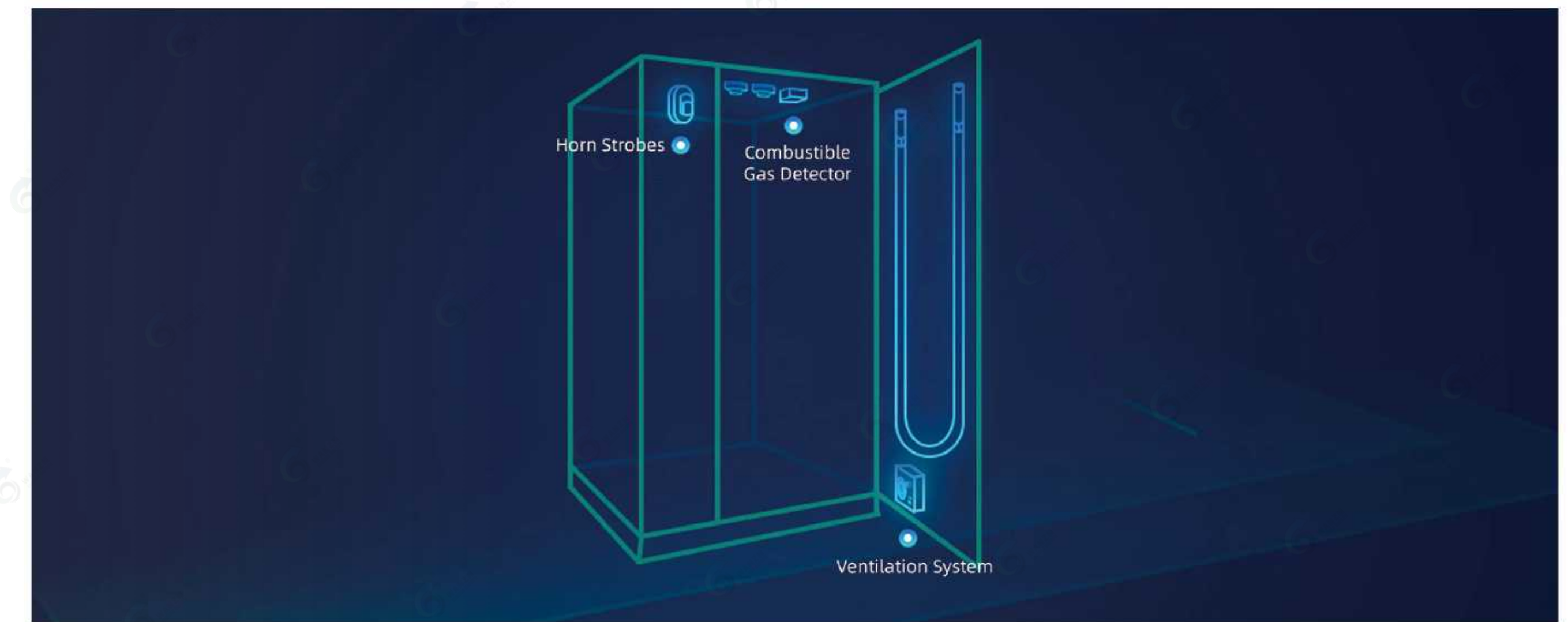
Energy storage fire safety overall solution, real-time monitoring, timely warning, fully automated fire extinguishing, providing comprehensive safety protection.



<p><b>Automatic fire alarm system</b></p> <p>Sensitive detection and diversified small fire extinguishing systems, suitable for the narrow space needs of battery compartments and electrical cabins</p>	<p><b>Gas fire extinguishing system</b></p> <p>The system responds quickly and is easy to maintain. Fire extinguishing agents are safe, efficient, and pollution-free.</p>	<p><b>Combustible gas detection</b></p> <p>Widely applicable, flexible installation, can achieve primary warning of thermal runaway and linkage control.</p>	<p><b>Ventilation system</b></p> <p>The equipment has a compact size and explosion-proof level, which can effectively discharge flammable and toxic gases, and has good ventilation and heat dissipation effects.</p>	<p><b>Explosion vent system</b></p> <p>Relieve pressure, reduce property damage, protect personnel safety, and effectively prevent secondary explosions.</p>
--	--	--	---	--

## Outdoor Cabinet

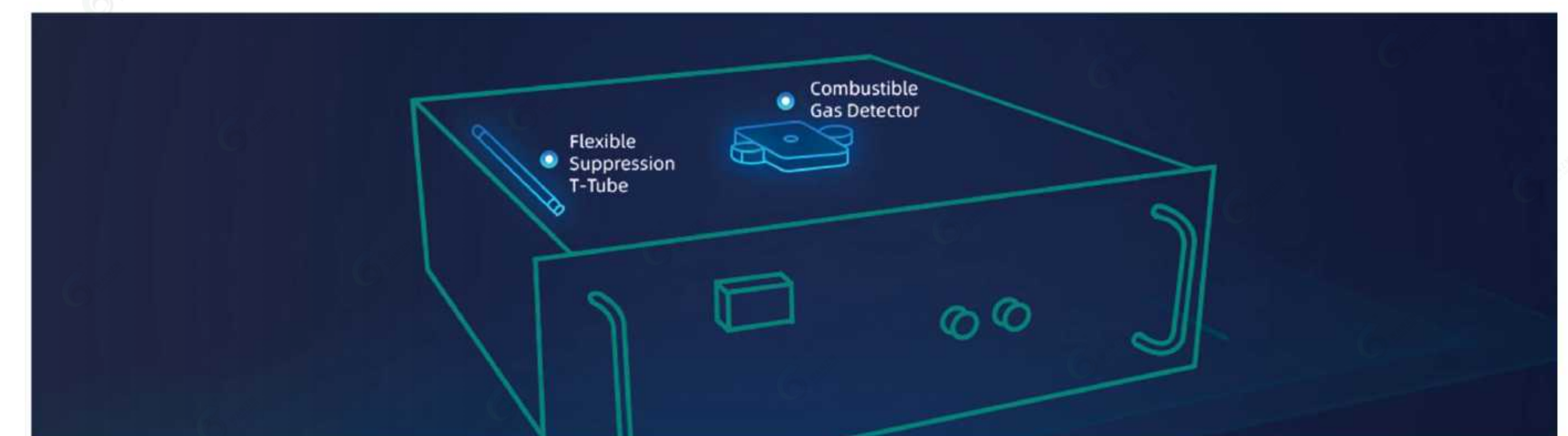
Real time automatic monitoring and control, with high accuracy, achieve early warning, and fully automate fire extinguishing to ensure safety and worry free operation.



<p><b>T-Tube &amp; Aerosol device</b></p> <p>The system is easy to install, occupies minimal space, and has a simple design, thereby minimizing installation and maintenance costs.</p>	<p><b>Gas fire extinguishing system</b></p> <p>The system has fast response speed and simple maintenance. Fire extinguishing agents are safe, efficient, and pollution-free.</p>	<p><b>Combustible gas detection system</b></p> <p>The system has a wide range of applications, flexible installation methods, and can achieve primary warning and linkage control of thermal runaway to improve overall fire safety.</p>	<p><b>Ventilation system</b></p> <p>The equipment is compact, explosion-proof, and can effectively discharge flammable and toxic gases, while providing good ventilation and heat dissipation.</p>
---	--	--	--

## PACK Level Fire Protection

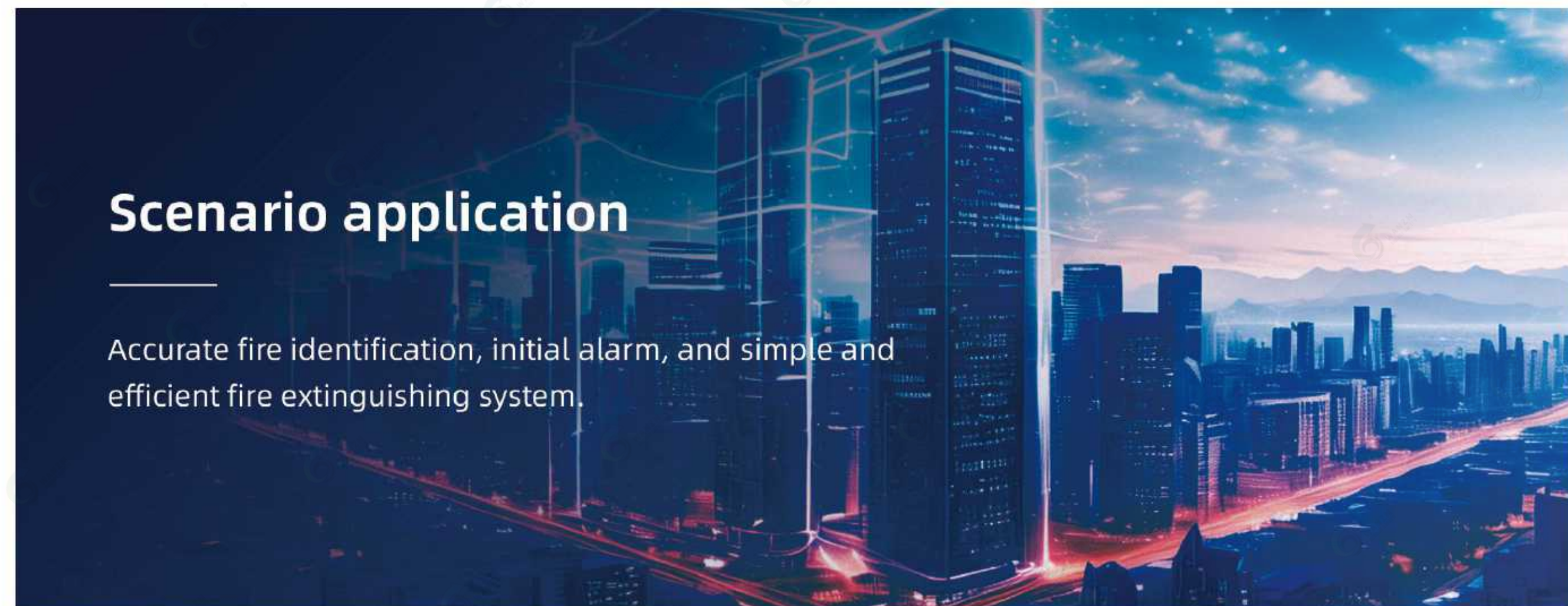
Pack level accurate fire identification, initial alarm, and simple and efficient fire extinguishing system.



<p><b>Flexible suppression T-Tube</b></p> <p>Suitable for small enclosed spaces such as battery packs, with a variety of output feedback and startup methods to choose from.</p>	<p><b>PACK level combustible gas detector</b></p> <p>Small in size, with a long usage cycle and sensitive detection, it can achieve primary warning of thermal runaway.</p>
--	---



# FIRE PROTECTION SOLUTIONS FOR INDUSTRIAL & COMMERCIAL APPLICATIONS

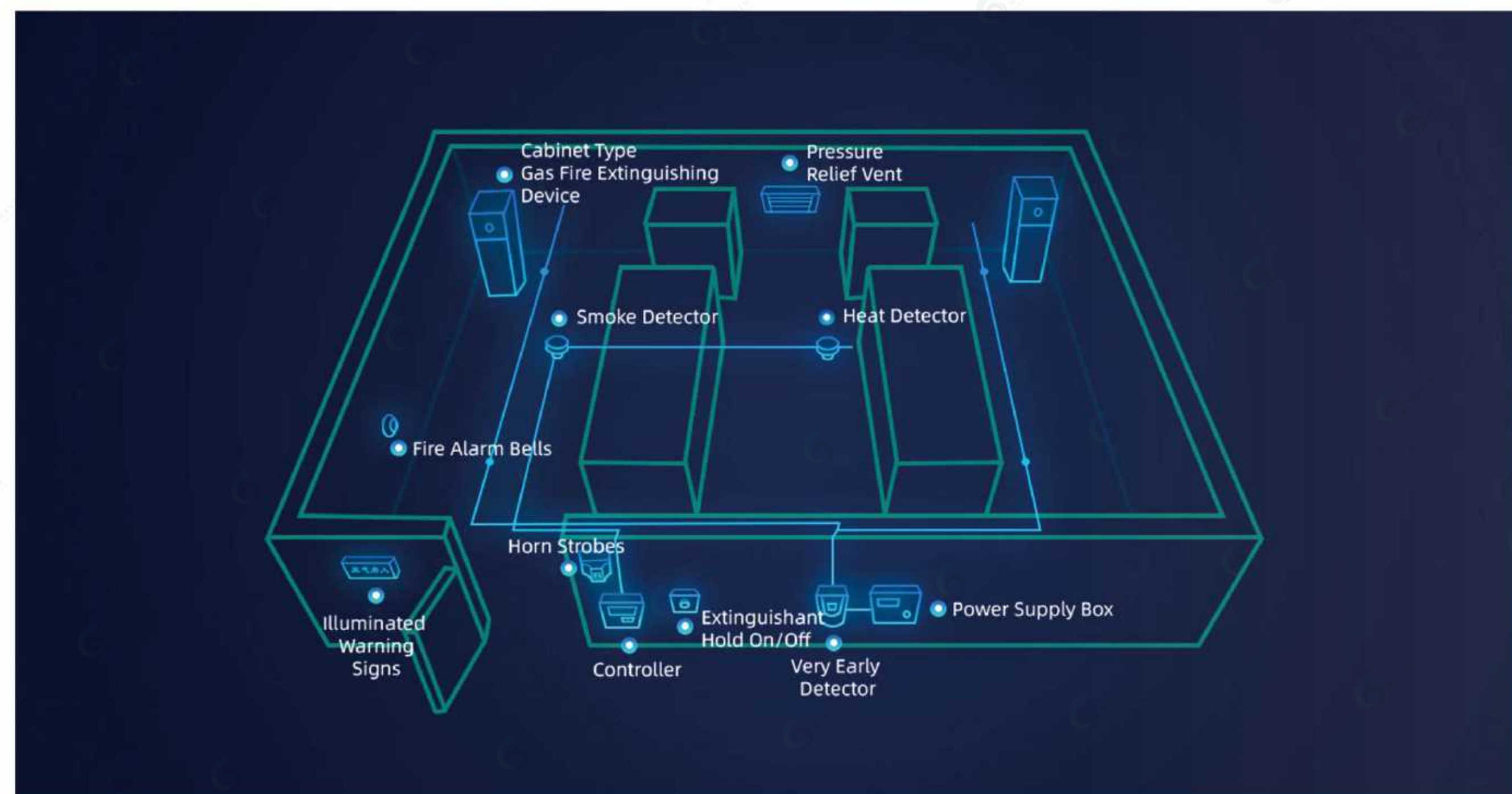


## Scenario application

Accurate fire identification, initial alarm, and simple and efficient fire extinguishing system.

## Internet Data Center

Gas fire extinguishing system can greatly reduce the damage of fire extinguishing to electrical equipment, with simple and flexible operation, efficient early warning, and effective suppression of fire.



### Automatic fire alarm system

Sensitive detection and diverse fire extinguishing systems are also suitable for the needs of multi scenario spaces such as modular data centers, battery cabins, and electrical cabins.



### Gas fire extinguishing system

The cabinet type gas fire extinguishing system has fast response speed and simple installation and maintenance. Fire extinguishing agents are safe, efficient, and pollution-free.



### Very early detection system

In the very early stages of a fire, achieving  $\mu$  Smoke particle detection with extremely high sensitivity and low maintenance cost.



## Power Station

Insulated fire extinguishing system, preferred for live fire, reduces water damage in fires, efficiently ensures power safety, and reduces economic loss risks.



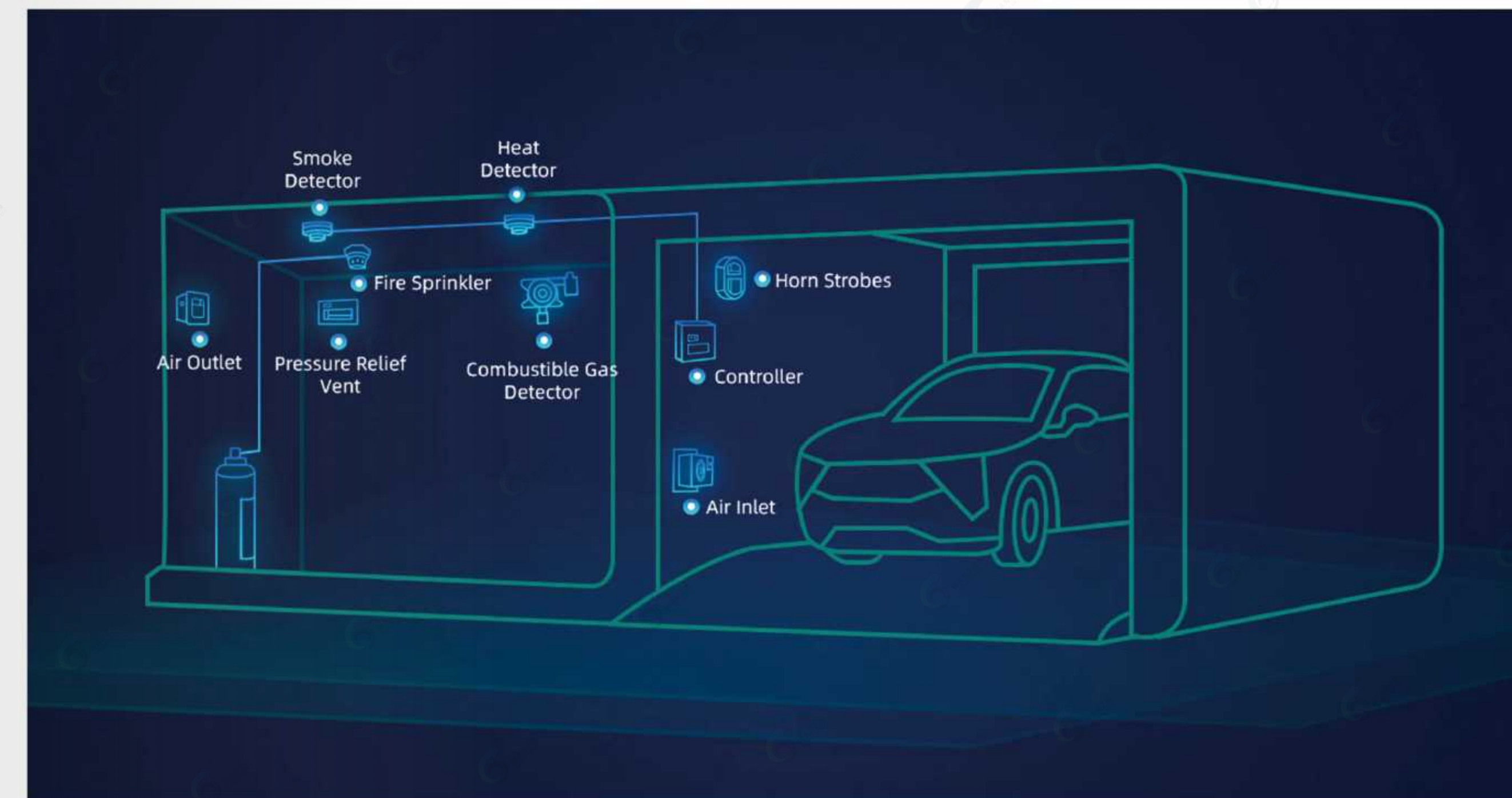
### High pressure fine water mist system

Realize the triple effect of cooling, suffocation, and insulation radiation on electrical fires, ensuring stable and reliable system performance.



## Quick Station Change

A stable and reliable energy storage fire safety system, suitable for dense battery storage scenarios, for effective initial fire control, ensuring worry free safety of quick change stations.



### Automatic fire alarm system

Sensitive detection and diversified small fire extinguishing systems, suitable for the narrow space needs of battery compartments and electrical cabins



### Gas fire extinguishing system

The system responds quickly and is easy to maintain. Fire extinguishing agents are safe, efficient, and pollution-free.



### Combustible gas detection

Widely applicable, flexible installation, can achieve primary warning of thermal runaway and linkage control.



### Ventilation system

The equipment has a compact size and explosion-proof level, which can effectively discharge flammable and toxic gases, and has good ventilation and heat dissipation effects.



### Explosion vent system

Relieve pressure, reduce property damage, protect personnel safety, and effectively prevent secondary explosions.





# FIRE PROTECTION SOLUTIONS FOR TRANSPORTATION & MECHANICAL EQUIPMENTS

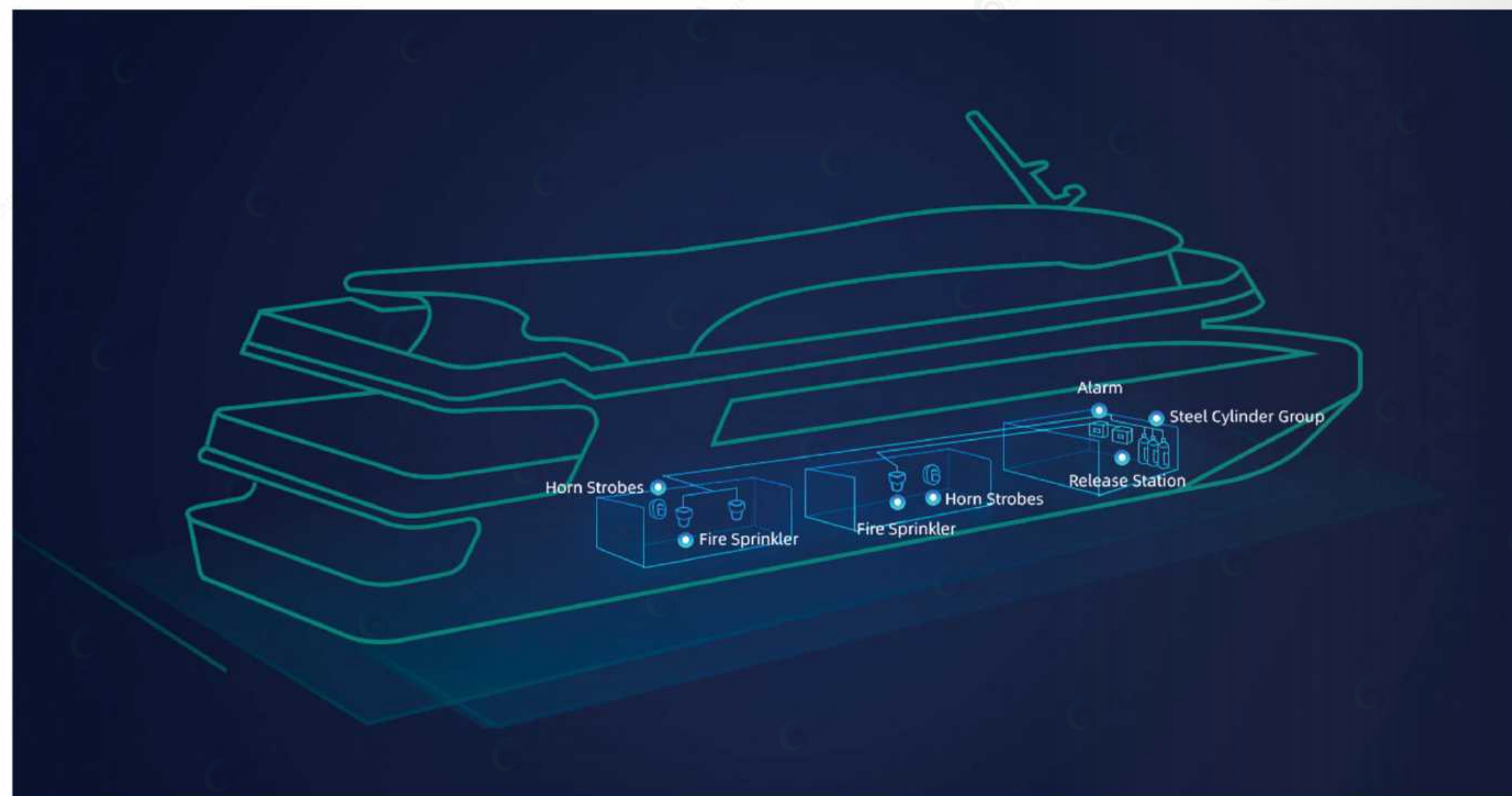
## Device application

Ensure the safety of high-value equipment, respond to fire risks in a timely manner, and protect equipment from damage.



## Marine Fire Protection

The classification certification fire safety system ensures the safety of ships without worries and prevents fire risks, and is a key protective facility for ship navigation.



### Marine fire alarm system

Diverse selection, with sensitive detection capabilities, able to meet the needs of small spaces in battery and electrical compartments, stable and efficient.



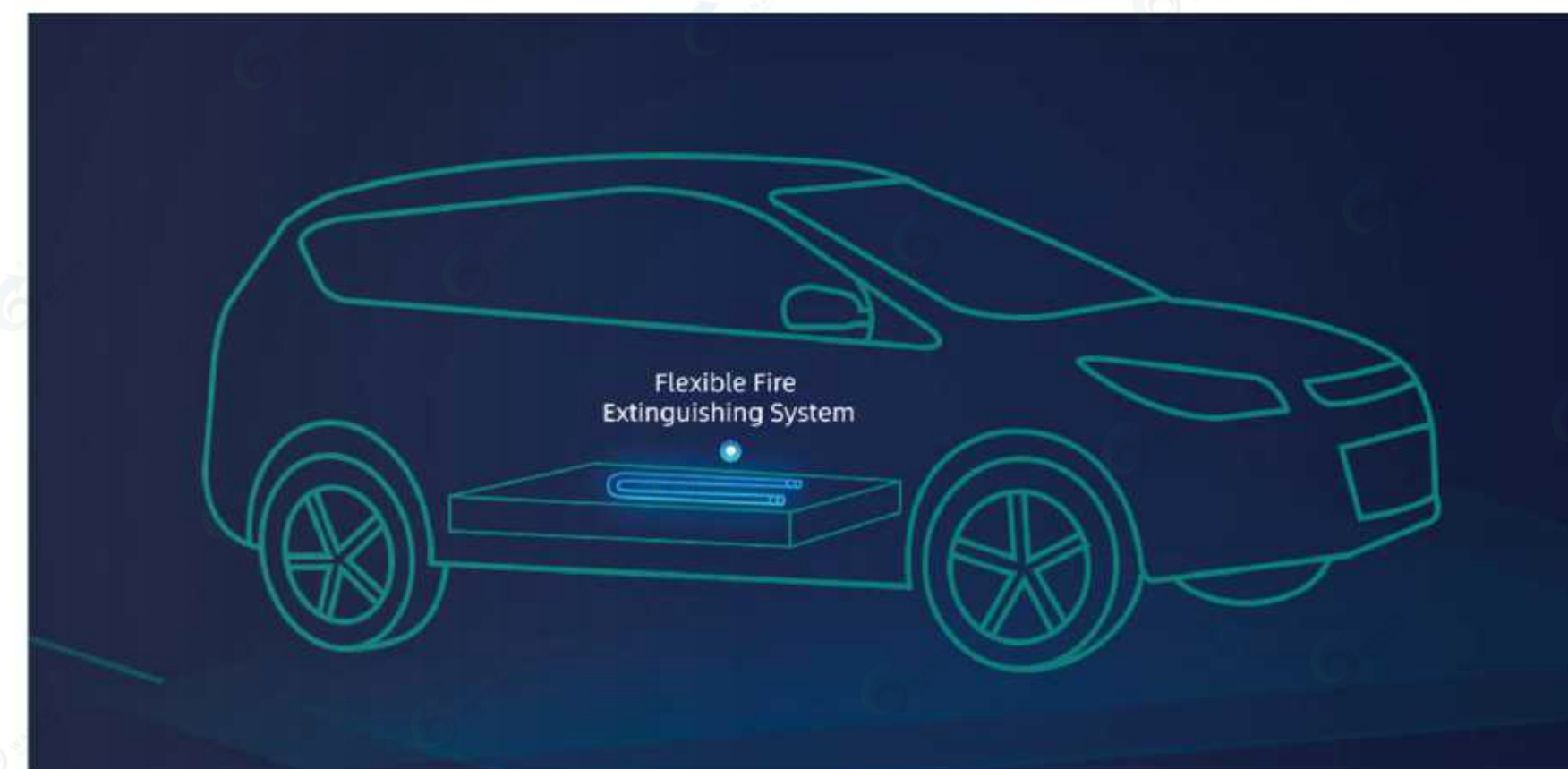
### Marine gas fire extinguishing system

The system has fast response speed and simple maintenance. The product performance meets the classification standards, and the fire extinguishing agent is safe, efficient, and pollution-free.



## Vehicle Fire Protection

The vehicle level certified fire safety system is an essential facility for ensuring vehicle safety and preventing fires, significantly improving vehicle safety performance.



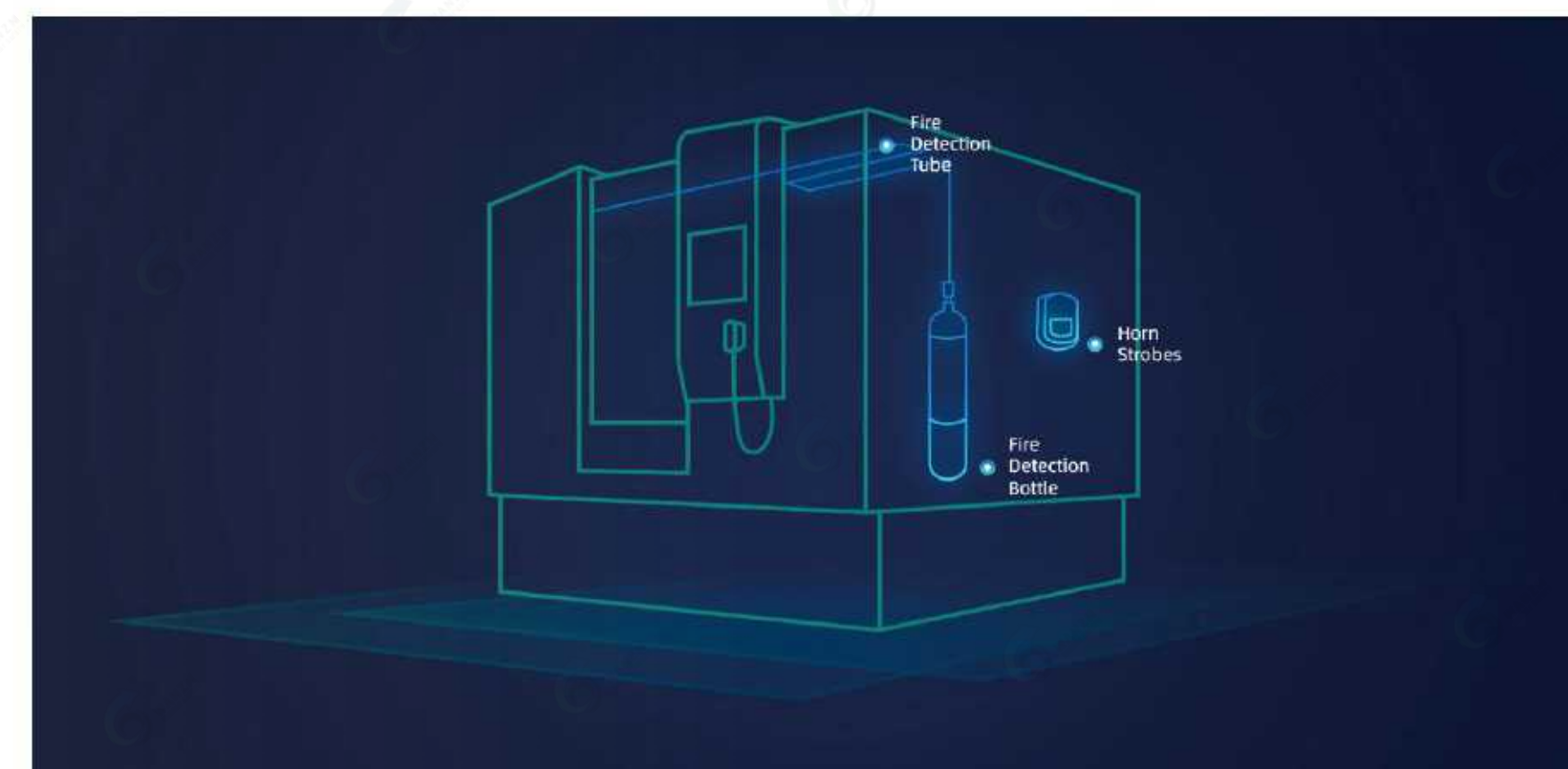
### Flexible fire extinguishing system

Prefabricated set of fire extinguishing devices, easy to install.



## CNC Machine Tools

High frequency operating machinery is prone to heating up, and a safe and efficient fire protection system provides protection for machine tool equipment, ensuring worry free fire protection.



### Fire detection system

Can be applied in confined and complex flammable spaces or equipment, located in close proximity to the protected object, offering high fire extinguishing efficiency and low cost.



## Engineering Machinery & Equipments

Exposure to high temperatures can easily lead to fires, and there is a high risk of aging power lines. The flexible fire safety system provides efficient protection, ensuring the safety of construction machinery and equipment.



### Flexible suppression T-Tube

Easy to install, takes up minimal space, and the simple design minimizes installation and maintenance costs.





# WANZN DEVELOPMENT HISTORY

Wanzn is a product manufacturer and global solution integrator that provides long-term services in the fields of energy storage, gas power generation, energy storage, nuclear power, wind power, new energy power, and network energy data centers for energy storage and fire safety. In our development process in the field of energy storage fire safety, we have established strategic partnerships with multiple well-known international fire brands, continuously meeting industry needs through technology driven and product innovation. Wanzn provides customers with a one-stop energy storage fire safety solution, including product solutions, technical support, and reliable after-sales service.

**2012**

- Wanzn (Guangdong) Company Established
- Developed the first ESS that complies with NFPA standards and shipped to the US

**2015**

- Innovative research and development of prefabricated modular network energy security system
- CIMC Group Partner

**2013**

- BYD Energy Supplier

**2014**

- Shenzhen CLOU Electronics Energy Supplier

**2016**

- Supplier of Sunshine Samsung, Trina Solar, and Lishen Battery
- Supplier of Sinexcel, Sunwoda

**2017**

- Fire Protection System for the Joint Inspection Building of the Hong Kong Zhuhai Macao Bridge
- Dubai Airport Modular Data Center Fire Protection System

**2018**

- Supplier of Kehua, Topband, and Taoke Energy

**2019**

- Supplier of CATL, and Shanghai Electric Gotion
- Completed Jupiter Power 652MWh (maximum at that time)

**2020**

- Complete 99.8MWh of Huaneng Mendi Energy Storage Power Station (Maximum overseas energy storage of Huaneng)
- Supplier of Zhongneng Technology, Shuangdeng Group, SVOLT, Narada, Cubenergy, and Poweroad

**2021**

- Supplier of Pylontech, SYL Battery, RCT Power, NARI Technology, Canadian Solar and China Energy Construction
- Supplier of 14th Research Institute of China Electronics Technology and Weichai Ballard
- Complete the large-scale energy storage power plant project for ENEL Green Power and Vistra Energy

**2022**

- Saudi Arabia's World's Largest Energy Storage Project 1.3GWh
- Italy's largest energy storage project 340MWh
- Comprehensively build Wanzn 2.0 version: Adhere to core technology, focus on customer service, and guide behavior results

**2023**

- Wanzn Energy Safety Company Established
- Wanzn Digital Strategy Fully Launched
- Strategic Determination of Shanghai & Changzhou Smart Manufacturing Factory

**2024**

- Wanzn New Energy Company Established
- Wanzn Digital Intelligence Technology Company Established
- Changzhou Smart Manufacturing Factory officially completed and launched

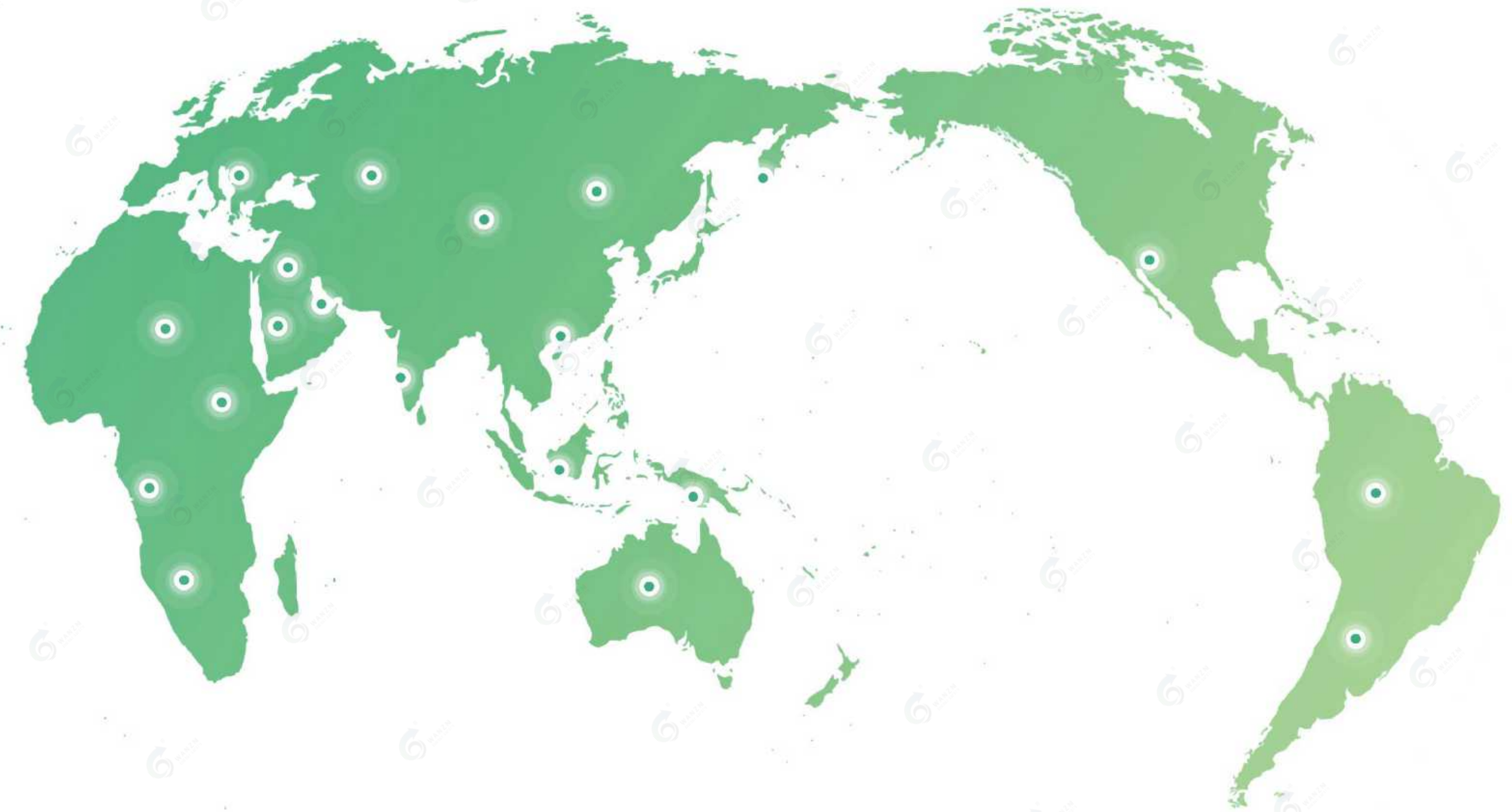


# PROJECT USE CASES COVERING THE ENTIRE WORLD

Wanzn's products are sold to more than 100 countries and regions worldwide, with a wide range of project use cases. With excellent energy storage and fire safety solutions, we provide customers with reliable safety protection.

Wanzn's global sales network enables Wanzn to serve global customers and establish strategic partnerships with dozens of international fire brands.

## Global Service Network



## Long Term Partners

