Intelligent networked oil filling machine 37209

Product Introduction

SHENZHEN FABIT M&E EQUIPMENT CO.,LTD

Email: fabit@vip.163.com

FABIT

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Brief introduction

Our company has 20 years of professional experience in the production and service of lubricating oil equipment, and has a broad understanding of the business models and management processes of automotive 4S stores, various repair shops, and fast repair shops. By integrating the service improvement demands of oil manufacturers, we have polished a unique oiling SaaS management system in the industry. This system can meet all scenarios of lubricating oil usage in the automotive aftermarket, combined with our proven refueling machine product, we have created a truly IoT oil refueling product!

From then on, refueling can be remotely managed, and engine oil data can be shared from the cloud!

Introduction to Intelligent Connected Filling Machine

1 Remote intelligent refueling machine

2 Industrial gateway

3 Mobile/PC end

4 SaaS System
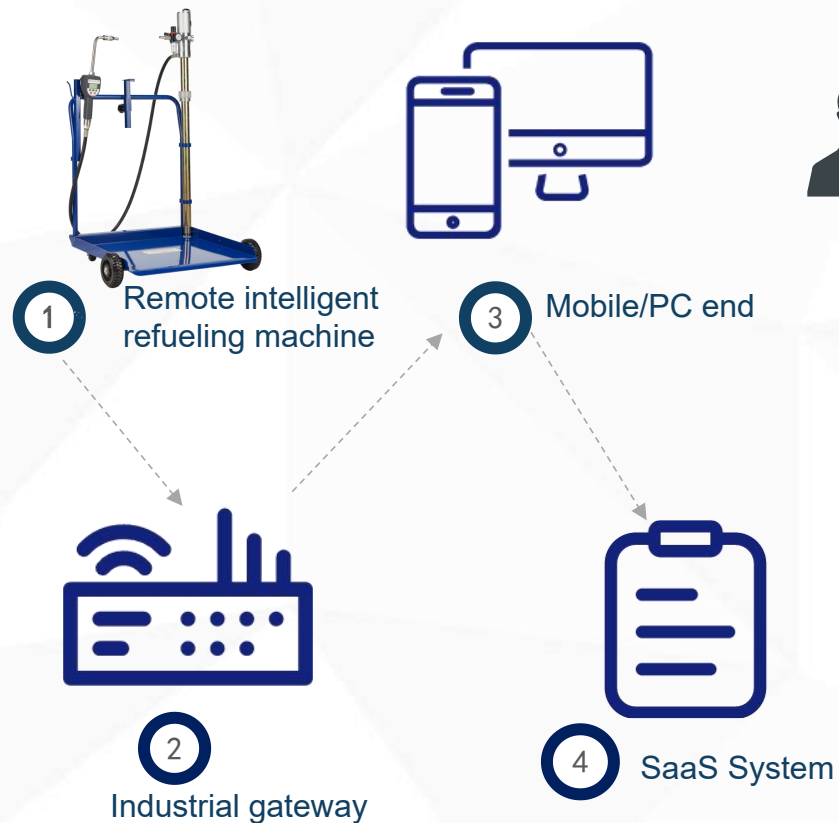
5 Functions

- Remote: Based on internet support, it can achieve full remote coverage;
- Networking: can read and manage fuel dispenser information on a PC or mobile phone;
- Control: It can meet the remote control of refueling operations on PC or mobile devices;
- Cloud platform: Gas dispensers can be monitored or managed in the background through the cloud;
- Filling machine: Fabit's high-quality and mature oil pumps, oil guns, and other products

02 Basic function introduction

Remote: Advantages of Industrial Zigbee Gateway

Multipoint Link
One gateway can connect countless refueling machines

Convenient networking
Plug in the USB interface to use

Universal battery
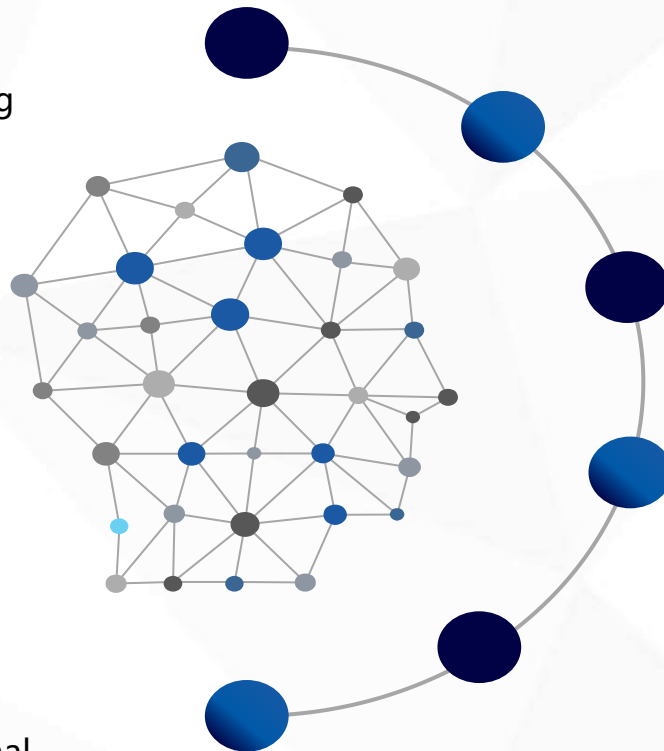No need for dedicated power lines or batteries

Wide usage conditions
Obstructions such as partitions in the workshop do not affect the signal

Stable signal

Unlike WiFi, using zigbee LAN ensures signal stability

Networking: Advantages of refueling equipment networking

Can be used for PC or mobile networking

It can be used for WeChat official account, applet or APP, with many options, and can also be used for LAN

You can customize the required information for the front or back end, and read it separately
You can also use existing cloud platforms to enable it

According to the business process model, customize the management and control measures required for the backend
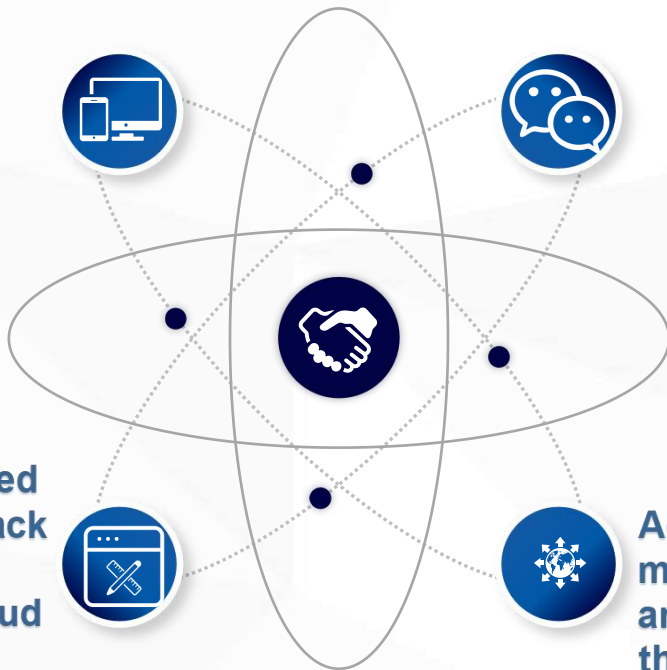
Cloud Platform: Industry's Original Fueling SaaS Management System

You can choose to use the Fabit refueling management cloud platform for immediate activation or customize a customer specific system

Application Scenario (Cloud Platform)		
Oil Products Corporation (Chain Company Headquarters)	Monitor and view the sales situation in various regions, monitor the balance between wholesale and retail, and inventory status;	
Oil Products Branch (Chain Company Branch)	Monitor customer sales of oil usage; View customer inventory and predict sales situation;	
Oil customers (4S stores, repair shops, etc.)	Inventory management	Check the oil storage, prepare to purchase or change barrels
	Refueling management	1. The repairman refuels according to the password; 2. The warehouse keeper inputs refueling data, and the operator refuels
	Data management	View store refueling data anytime and anywhere, manage and control refueling, and assist in decision-making
	Auxiliary refueling	Can query the fuel level of the vehicle model, and intelligently and accurately fill it

Control: Standard IoT product functions can be controlled

The refueling amount can be input and authorized by the remote end (warehouse keeper or manager, etc.)

Technicians with password authorization can directly input the refueling amount and provide real-time feedback to the cloud platform

Can customize strict control processes, illegal processes cannot be initiated for refueling

Best ergonomic design for refueling machines: powerful and lightweight equipment

Standard 3:1 pneumatic pump with strong force

Non scattering and anti emulsification

The measuring accuracy of the oil gun is as high as five thousandths, which can empty the oil in the barrel as much as possible, leaving only 0.15L of oil in the 200-liter barrel.

Professional pneumatic oil pump, with fast oil extraction, stable oil output, suitable for high viscosity oil, strong oil output force, and small attenuation in winter.

The main body of the cart is made of 3mm steel plate, and the casters are PU bearing wheels, which are sturdy, durable, flexible, and lightweight, and can be pushed and pulled.

The refueling gun produces oil in a straight column shape, which does not scatter and does not damage the quality of the oil (emulsification). The oil gun has good sealing performance when shut down, and there will be no oil leakage even after long-term pressure maintenance
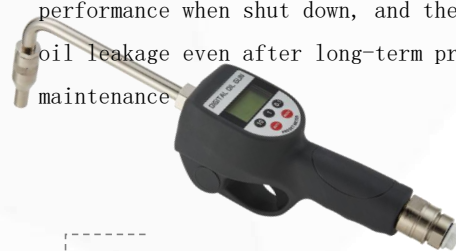
The oil gun has accurate measurement, powerful functions, and simple operation, with automatic measurement, preset quantitative filling, and flow accumulation functions
It can connect to the internet and has a lock switch function

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Intelligent information oil filling machine

Model	37209
Pump ratio	3:1
Working pressure	5-8bar
Conveying speed	0-14L/min
oil temperature range	-10-60℃
Oil viscosity	130SAE
Oil suction pipe length	940mm
Oil suction pipe diameter	42mm
Accuracy	±5‰
Oil gun type	Digital display preset
Oil pipeline length	4m
Trolley steel plate thickness	3mm
Cart casters	Bearing wheel, bearing 300kg
Management system	Fabit system or custom system
Communication system	Zigbee Industrial Gateway

Our advantage

Security	No strong current, extremely safe, does not require 3C certification
Reliable hardware	Mature and reliable core hardware such as oil pump and oil gun, with leading performance
Easy to use	Easy to install, easy to push and pull, no need for charging
Networking reliability	Industrial Zigbee dedicated signal, stable and reliable
Generality	It can be used for wheeled single machine or pipeline centralized oil supply system, with strong universality and good scalability
Upgradable	Used or non connected models can be easily upgraded to online models
Platform Features	Covering all refueling conditions, it is possible to find the fuel level of the vehicle model and has complete functions
After-sale service	A professional service team is important for new models

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03 Filling Management (SaaS) System

Filling Management (SaaS) System

Filling Management (SaaS) System

Screen 1 — OilSee

Device No: 44444444
Oil: 5w-30
Current oil level: 200.36
Unit price: 0$/L
State: normal(offLine)
Channel number: 4
Filling gun name: 4

Change oil
Oil change pricing
Unlock
Locking

Device No: 44444444
Oil: 5w-30
Current oil level: 200.36
Unit price: 0$/L
State: normal(offLine)
Channel number: 3
Filling gun name: 3

Change oil
Oil change pricing
Unlock
Locking

Device No: 44444444
Oil: 5w-30
Current oil level: 200.36

Change oil
Oil change pricing

System Management   Refill management   User's guidance   Data Analysis   Account center

Screen 2 — Refill management

Refill settings
Filling settings

Refill approval
Note approval

Pilot management
Pilot management

Admin Refilling
Administrator note

System Management   Refill management   User's guidance   Data Analysis   Account center

Screen 3 — User's guidance

Step 1 connect the power supply and turn on the controller switch

Step 2 connect the air source, turn on the ball valve switch, and adjust the pressure gauge pointer to about 4bar
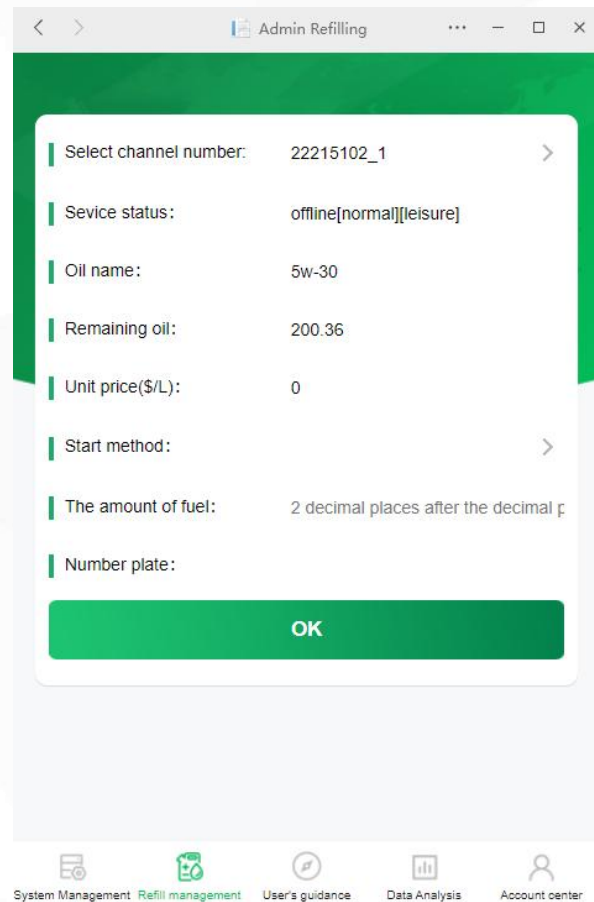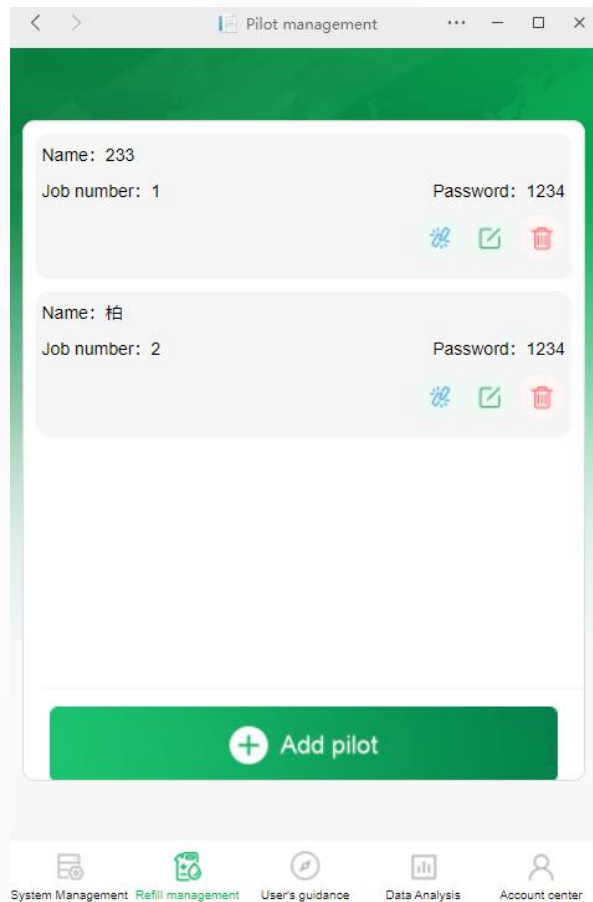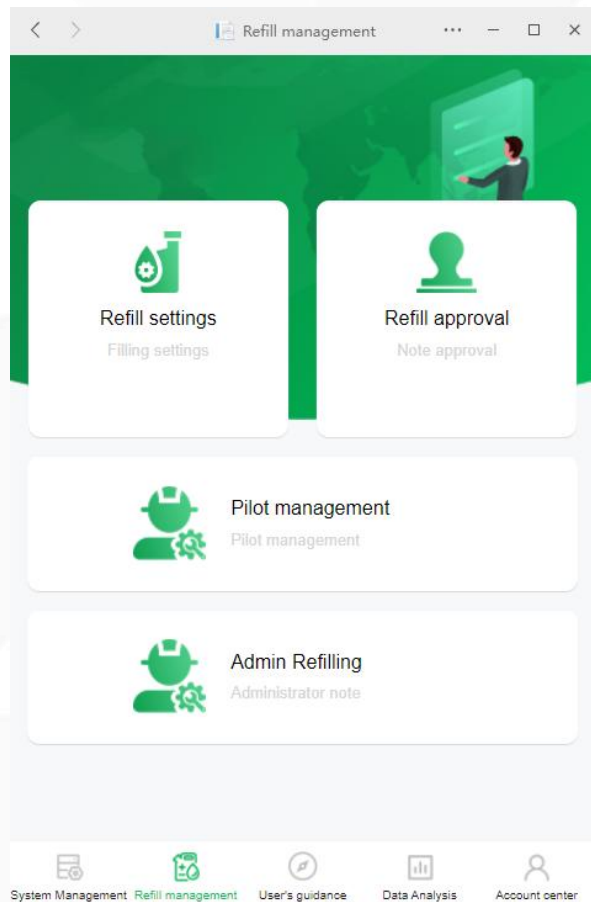
Step 3 Select the filling operation on the control panel and press the OK key to go to the next interface. Press the OK key → enter the amount of refueling data → press OK to complete data input → press run key → enter the pilot serial number → press the OK key → enter the pilot password → press the OK key to complete the input.

Step 4 Press the run button, the indicator light starts to alarm, point the nozzle of the refueling gun to the refueling port, pull the trigger, and start refueling.
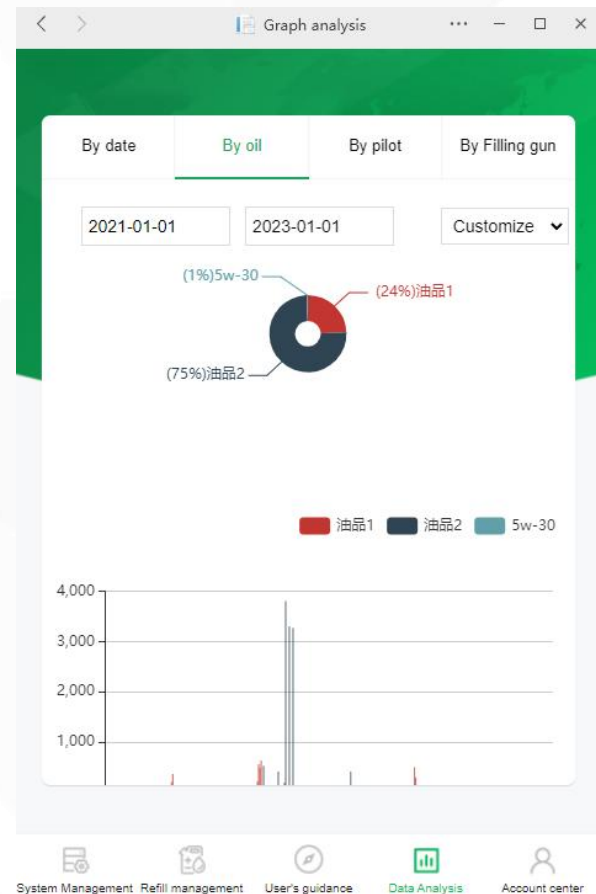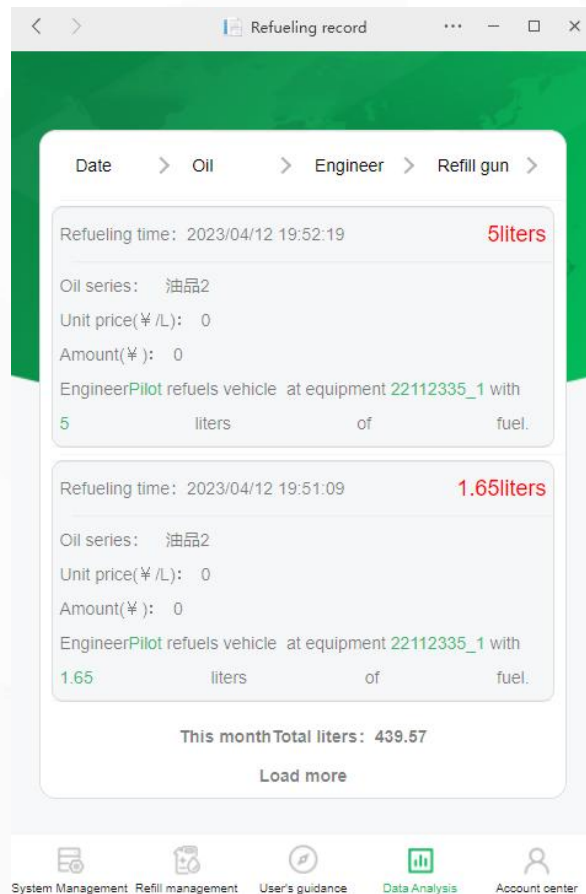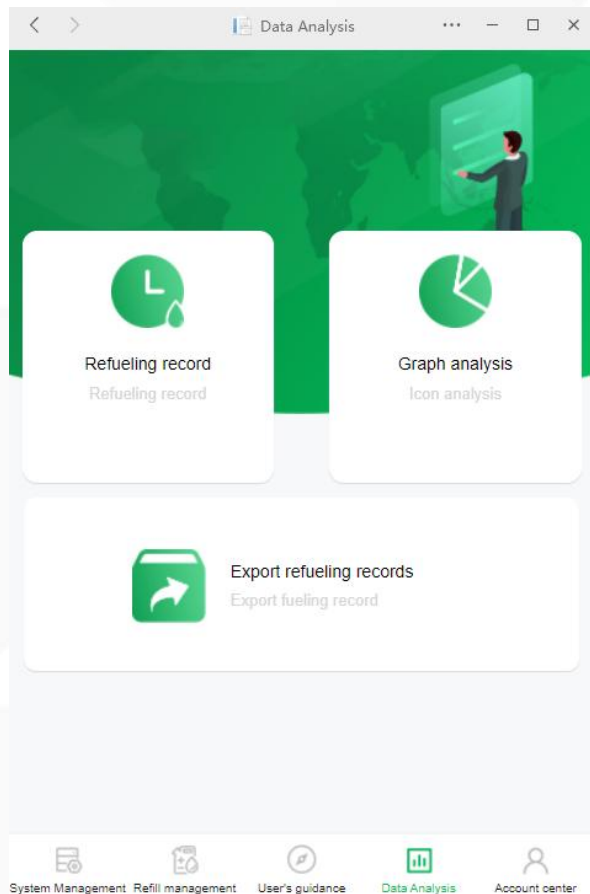
End When refueling is over, the indicator light stops alarming, turn off the power switch and gas source switch, and unplug the power cord

System Management   Refill management   User's guidance   Data Analysis   Account center

Filling Management (SaaS) System

Refill management

Refill settings
Filling settings

Refill approval
Note approval

Pilot management
Pilot management

Admin Refilling
Administrator note

System Management | Refill management | User's guidance | Data Analysis | Account center

Pilot management

Name: 233
Job number: 1   Password: 1234

Name: 柏
Job number: 2   Password: 1234

+ Add pilot

System Management | Refill management | User's guidance | Data Analysis | Account center

Admin Refilling

Select channel number: 22215102_1   >

Sevice status: offline[normal][leisure]

Oil name: 5w-30

Remaining oil: 200.36

Unit price($/L):   0

Start method: >

The amount of fuel: 2 decimal places after the decimal p

Number plate:

OK

System Management | Refill management | User's guidance | Data Analysis | Account center

Filling Management (SaaS) System

Refueling SaaS system - computer side
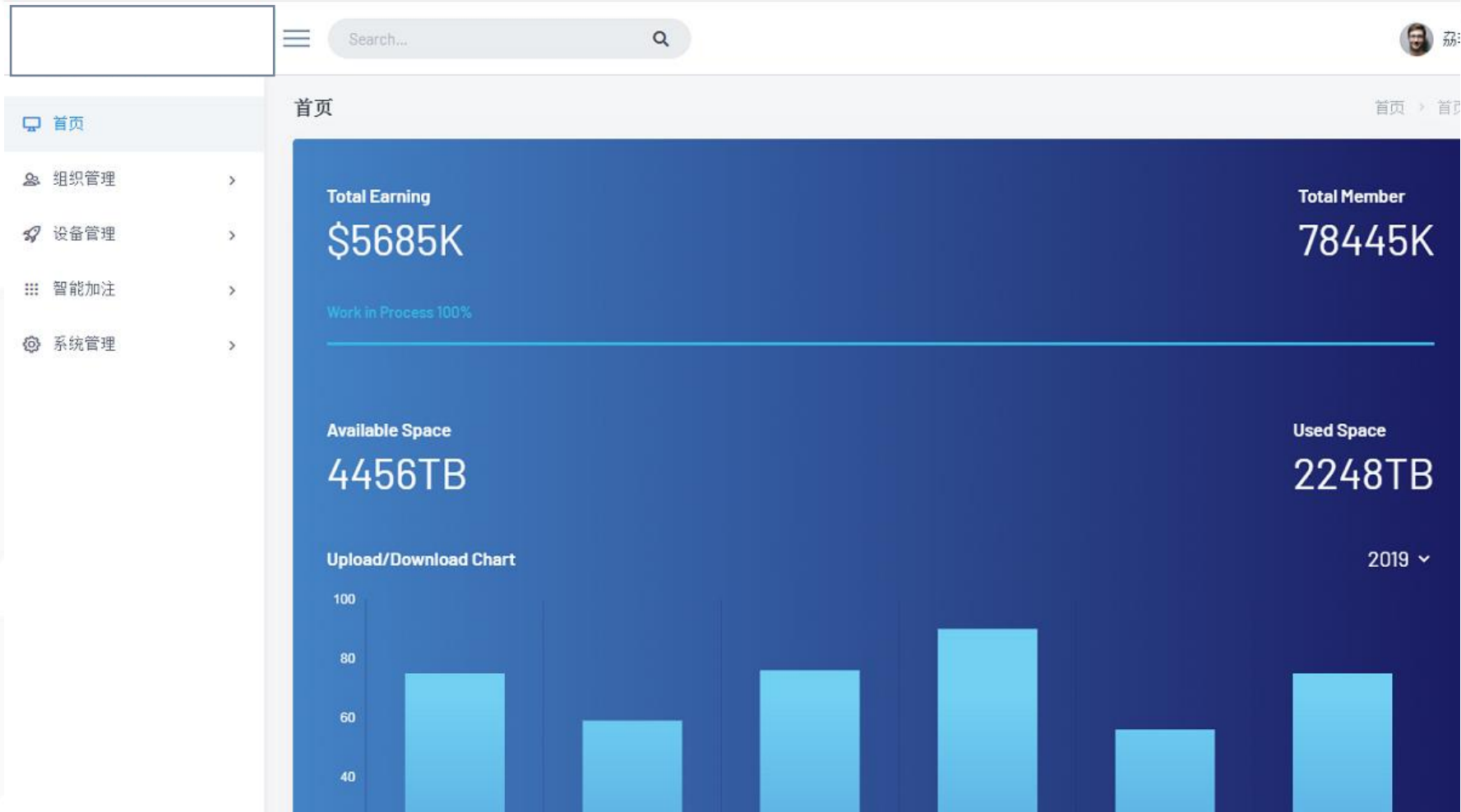
Refueling SaaS system - computer side

04 Upgrading and system integration
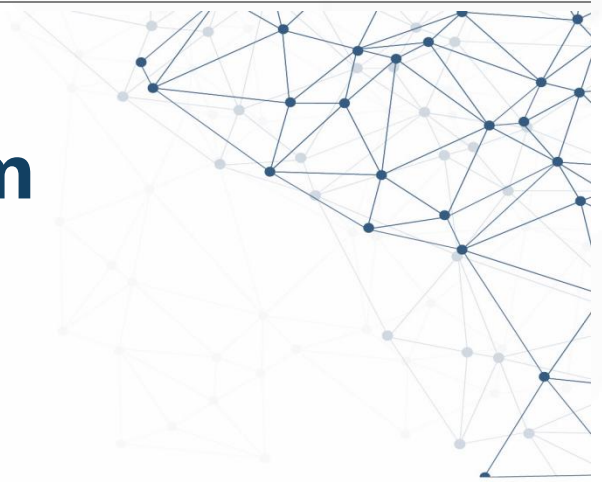
Original equipment renovation and upgrading plan

Upgrade of cart type filling machine	
NO.	**Component Name**
1	Replace the original filling gun with an online filling gun
2	Recycle the original 37717 set gun
3	One wireless connector per store

The store only needs to replace the oil gun with an intelligent connected gun to upgrade to an intelligent connected central oil supply system, and other equipment components such as oil pumps do not need to be changed.

Original equipment renovation and upgrading plan

01

Replace the original filling gun with an online filling gun

02

Recycling the original filling gun

03

Add one wireless connector per store

04

The store only needs to replace the oil gun with an intelligent connected gun to upgrade to an intelligent connected central oil supply system, and other equipment components such as oil pumps do not need to be changed.

Original equipment renovation and upgrading plan

Upgrade of pipeline refueling system

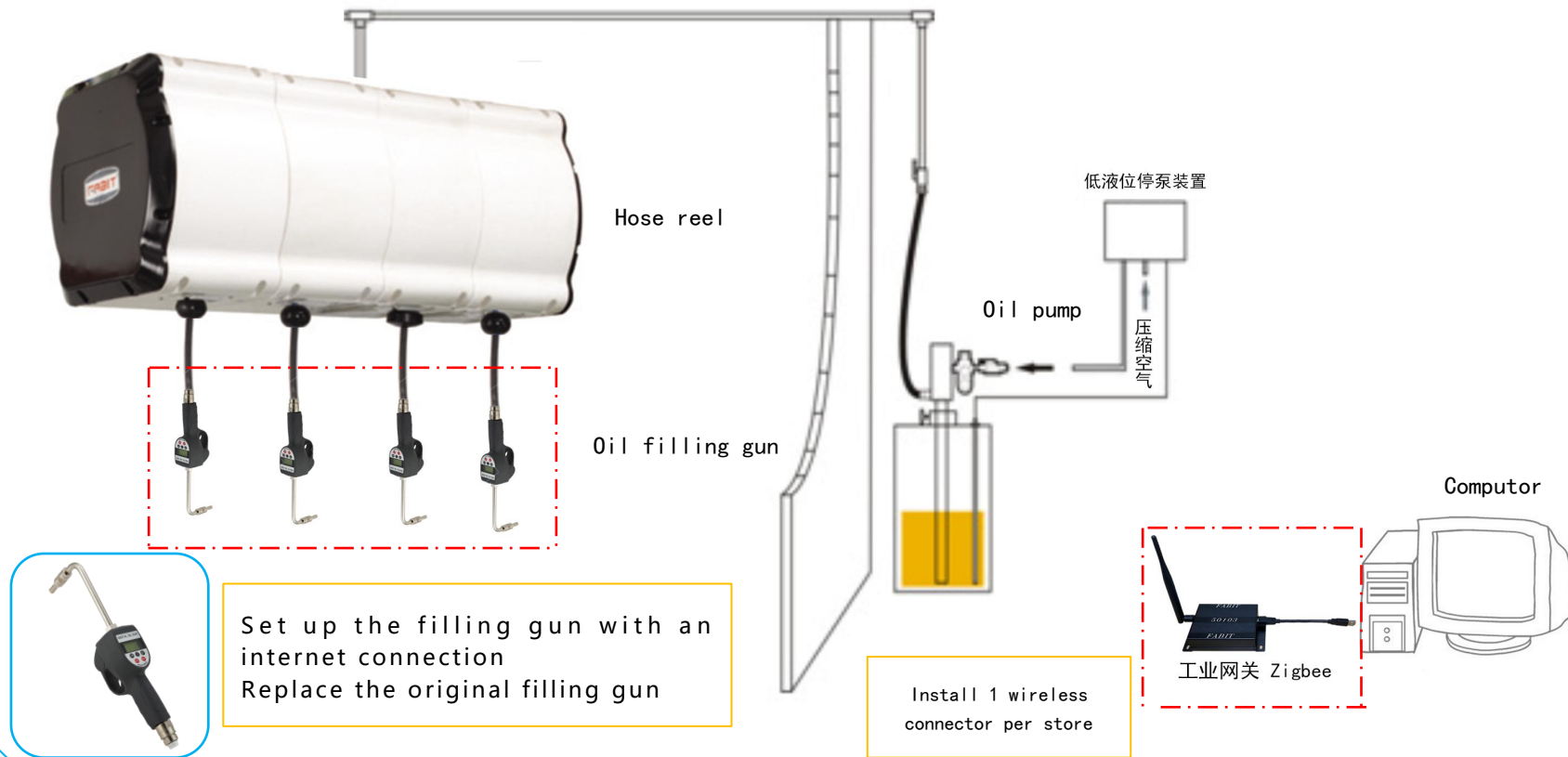| NO.	Component Name
1	Replace the original filling gun with an online filling gun
2	Recycling the original filling gun
3	1 wireless connector per store

The store only needs to replace the oil gun with an intelligent connected gun to upgrade to an intelligent connected central oil supply system, and other equipment components such as oil pumps do not need to be changed.

Upgrade of pipeline refueling system

Hose reel

低液位停泵装置

Oil pump

压缩空气

Oil filling gun

Set up the filling gun with an internet connection
Replace the original filling gun

Install 1 wireless connector per store

工业网关 Zigbee

Computor

Docking F6 system solution

This product can easily dock with the F6 system

01

Our company will provide the communication protocol of the product to F6 Technology, and they will connect according to our company's protocol.
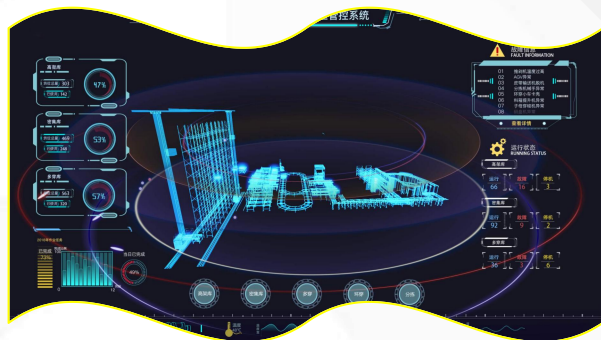
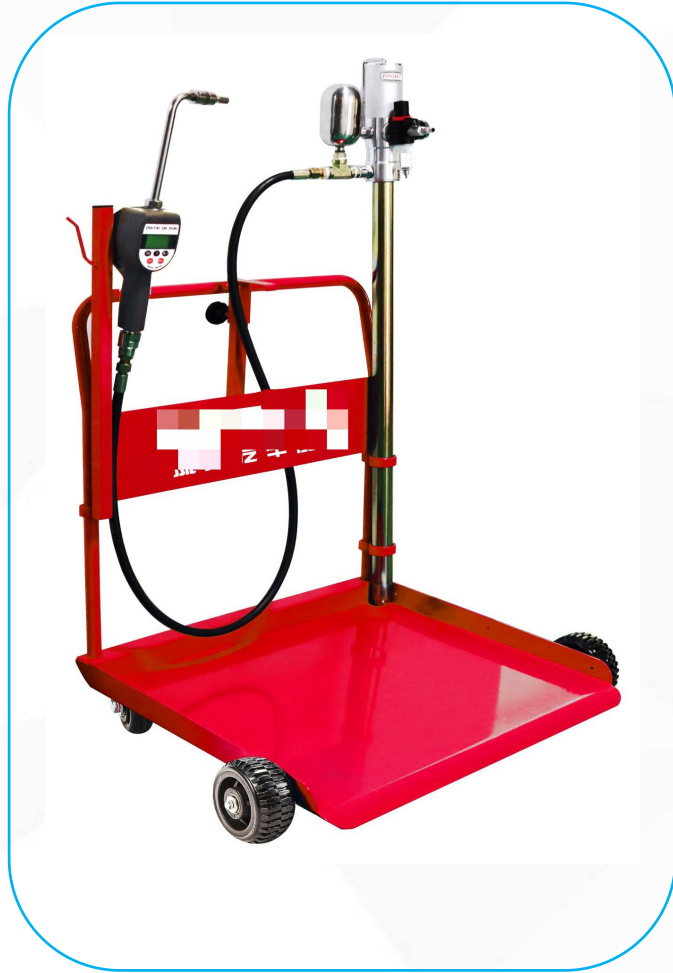If your company is ready for docking, you only need to do it in two ways.

02

Your company will provide us with the communication interface of F6,
Our company will connect according to the F6 protocol

Custom Painting Example

THANKS