TSUN Monitoring and Management Portal

V1.0
23/09/26

MORE SAFETY MORE POWER

TSUN Monitoring and Management Portal

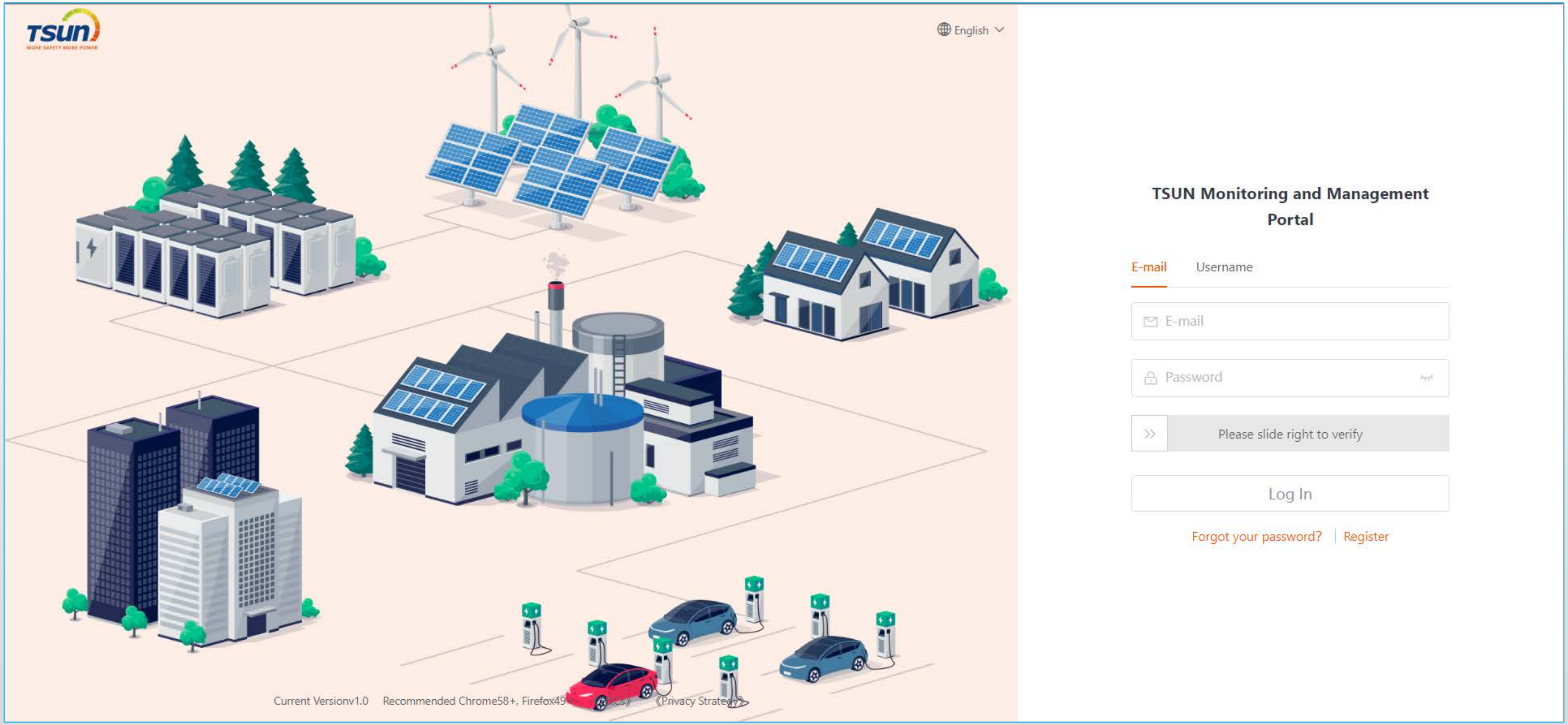
Guidance

Distributor / Installer

- Tsun suggest distributor to create their own account.
- If Distributors **create, manage and edit** their own accounts, Tsun will not intervene in management.
- Please use the management email to create your organization account.
- Distributors can choose to let your installer create their own account or help installer create an account

If Distributor Create Installer account : **(Account Belong To Distributor)**	**if Installer Create Themselves :** **(Account Belong To Installer)**
Distributor can assist in managing the installer account	Installer need manage it themselves
Distributor can check all the power plants created by the installer	Installer needs to authorize distributor the power plants that installer created in order for distributor to check the plants

Login Interface

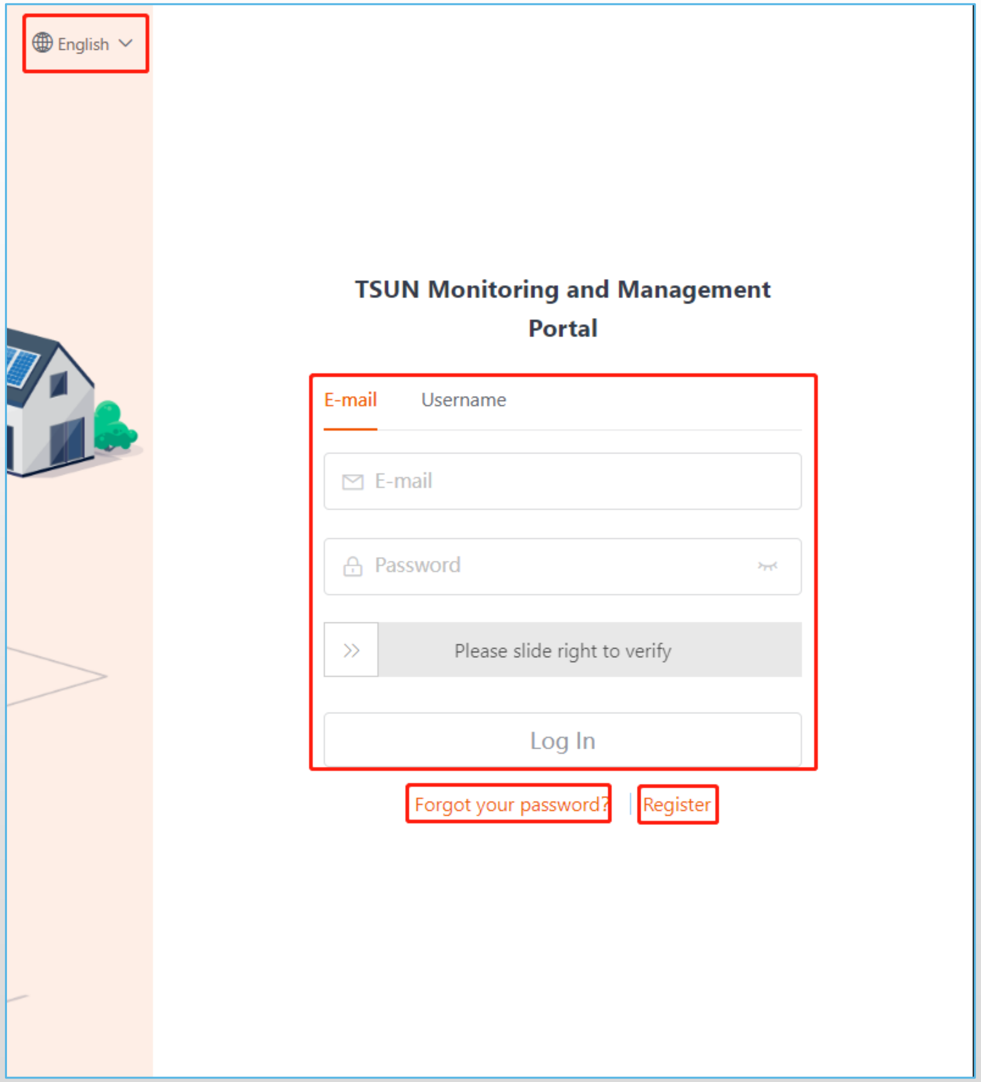

TSUN
MORE SAFETY MORE POWER
English

TSUN Monitoring and Management Portal

E-mail
Username
E-mail
Password
Please slide right to verify
Log In
Forgot your password?
Register

Current Versionv1.0 Recommended Chrome58+, Firefox49+ [illegible]Cs》 《Privacy Strategy》

Sign up



English

TSUN Monitoring and Management Portal

E-mail Username

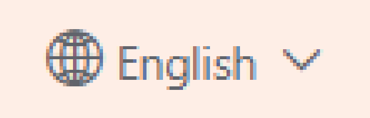
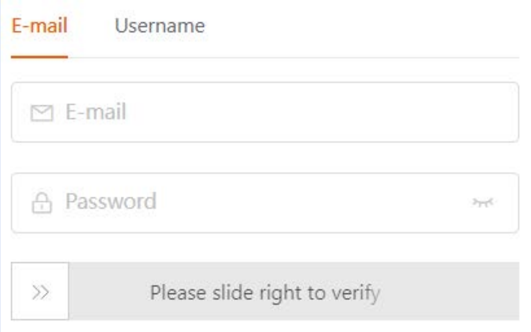
E-mail

Password

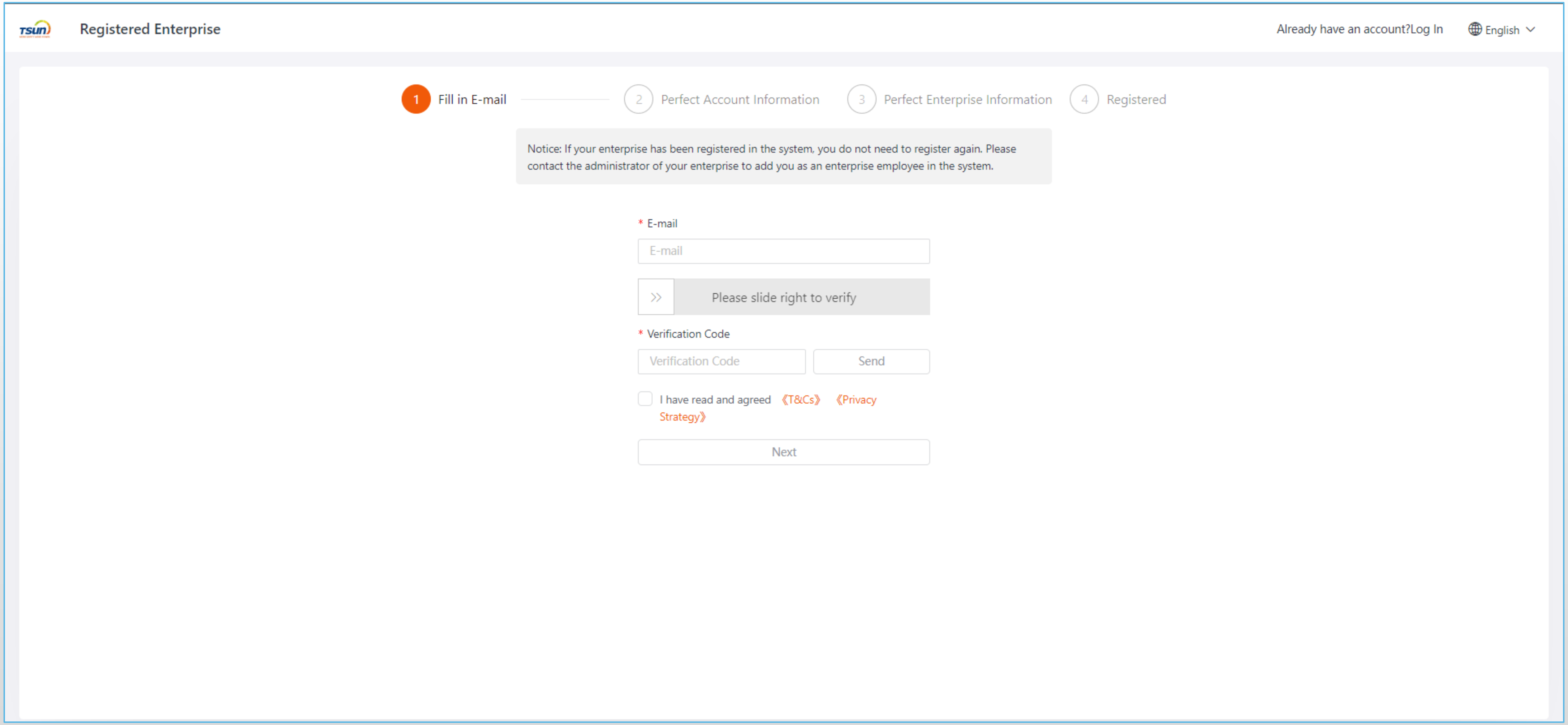
Please slide right to verify

Log In

Forgot your password? | Register

 English	Change language
 E-mail Username E-mail Password Please slide right to verify	Email Password Slide To Verify
 Forgot your password?	Forget & Change password
 Register	Register new account

Create account

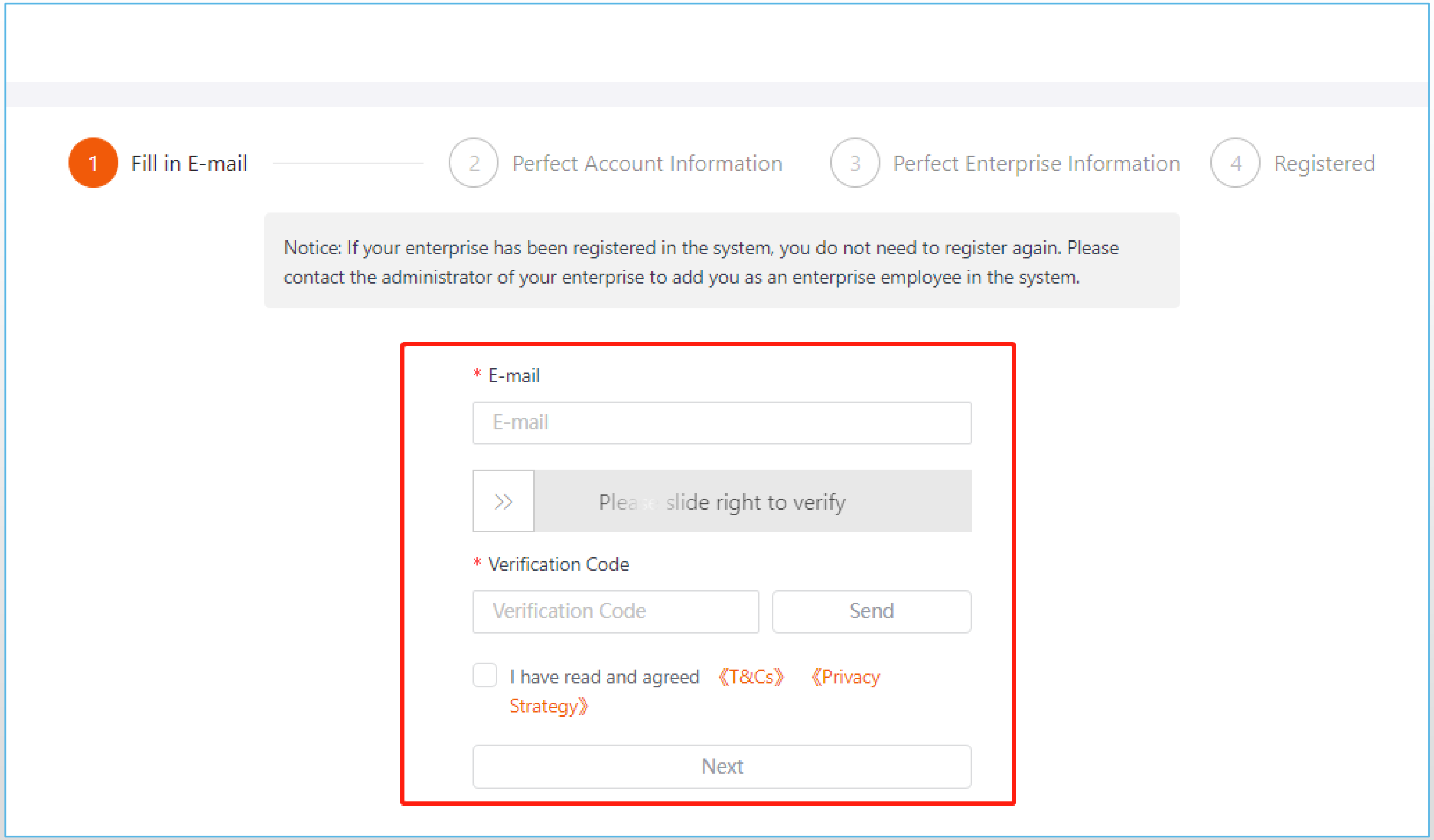


Registered Enterprise
Already have an account?Log In
English
1 Fill in E-mail
2 Perfect Account Information
3 Perfect Enterprise Information
4 Registered

Notice: If your enterprise has been registered in the system, you do not need to register again. Please contact the administrator of your enterprise to add you as an enterprise employee in the system.

* E-mail
E-mail
Please slide right to verify
* Verification Code
Verification Code
Send
☐ I have read and agreed 《T&Cs》 《Privacy Strategy》
Next

Create account



1 Fill in E-mail
2 Perfect Account Information
3 Perfect Enterprise Information
4 Registered

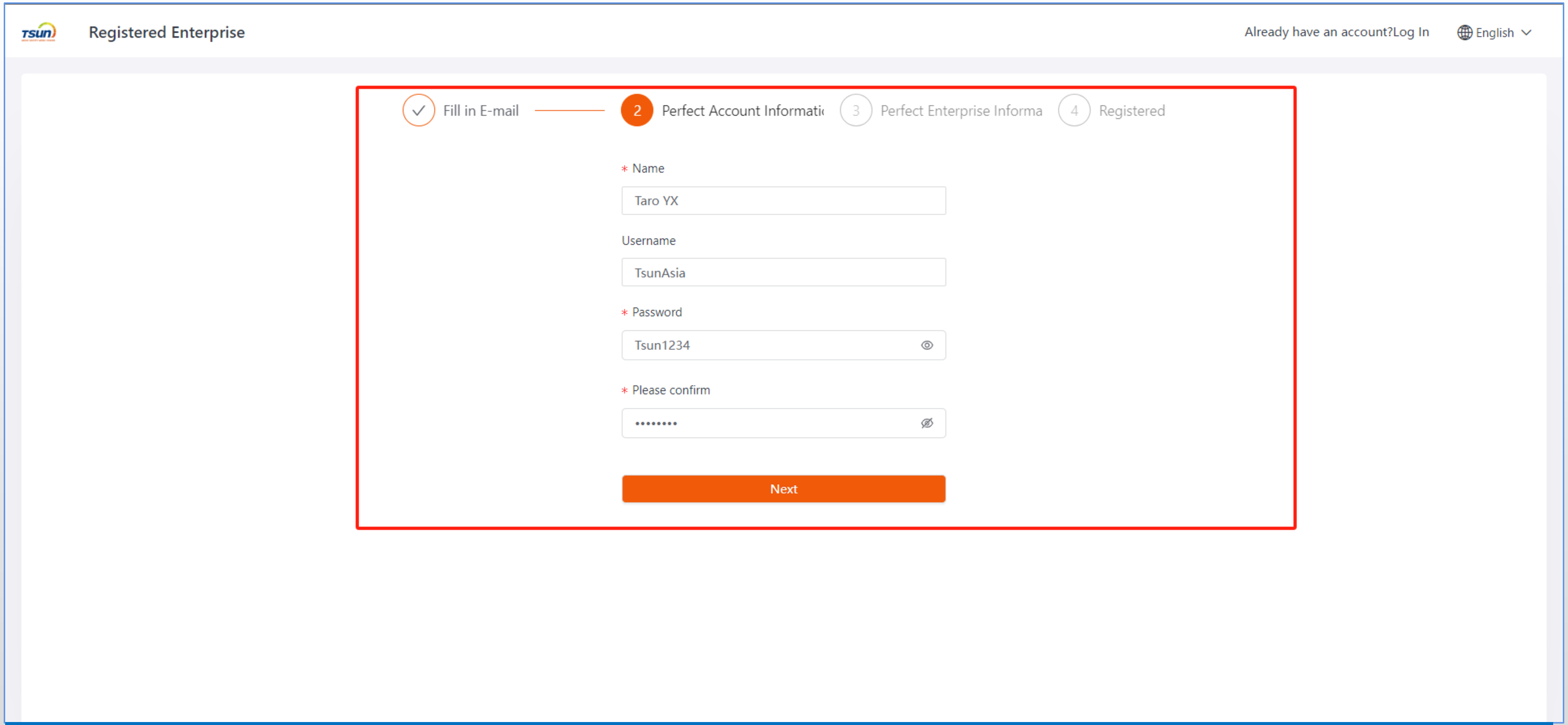
Notice: If your enterprise has been registered in the system, you do not need to register again. Please contact the administrator of your enterprise to add you as an enterprise employee in the system.

* E-mail
E-mail
Please slide right to verify
* Verification Code
Verification Code
Send
☐ I have read and agreed 《T&Cs》 《Privacy Strategy》
Next

Fill in the base info and verification code

Create account

MORE SAFETY, MORE POWER


Registered Enterprise
Already have an account?Log In
English
Fill in E-mail
2 Perfect Account Informati
3 Perfect Enterprise Informa
4 Registered

* Name

Taro YX

Username

TsunAsia

* Password

Tsun1234

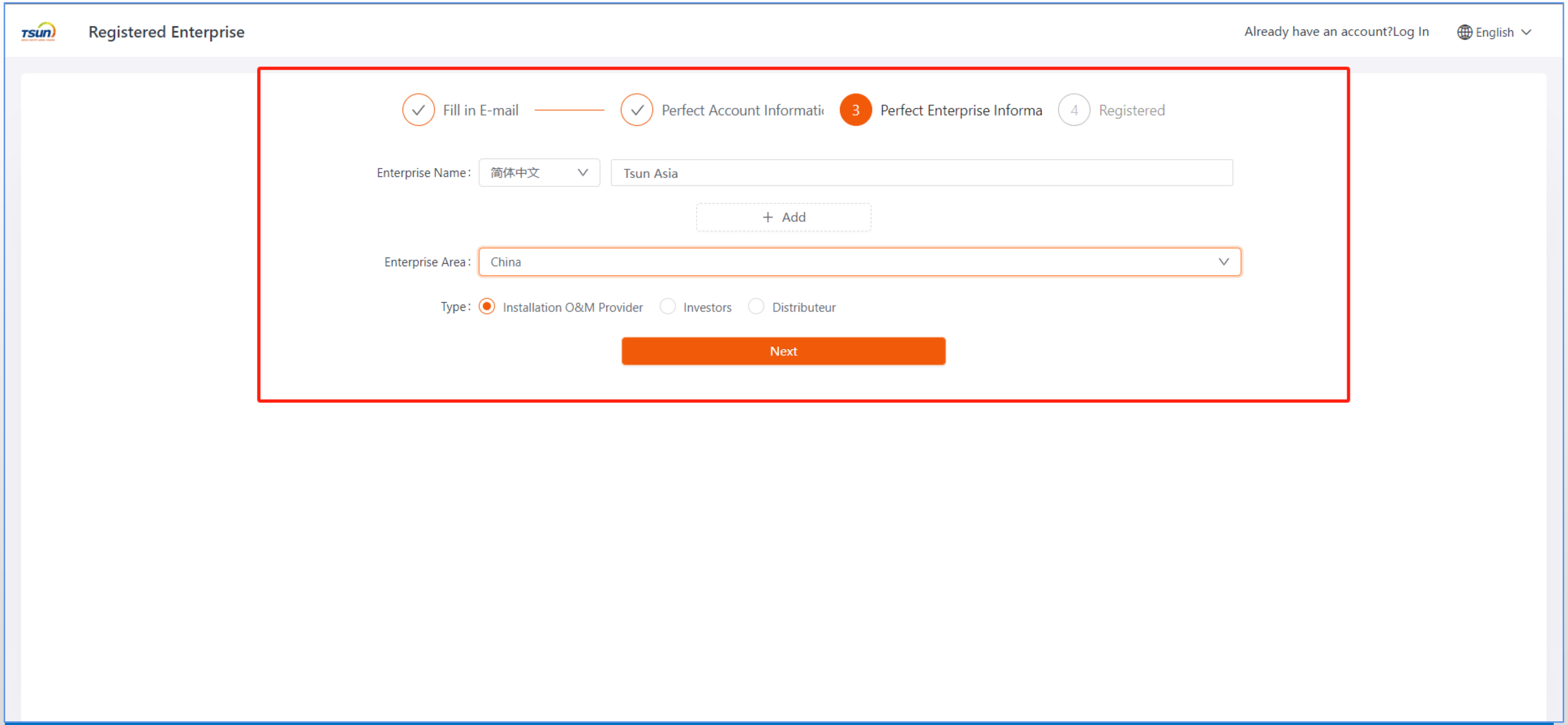
* Please confirm

••••••••

Next

Fill the info and click next

Create account



Registered Enterprise

Already have an account?Log In

English

✓ Fill in E-mail — ✓ Perfect Account Informati — 3 Perfect Enterprise Informa — 4 Registered

Enterprise Name: 简体中文 Tsun Asia

+ Add

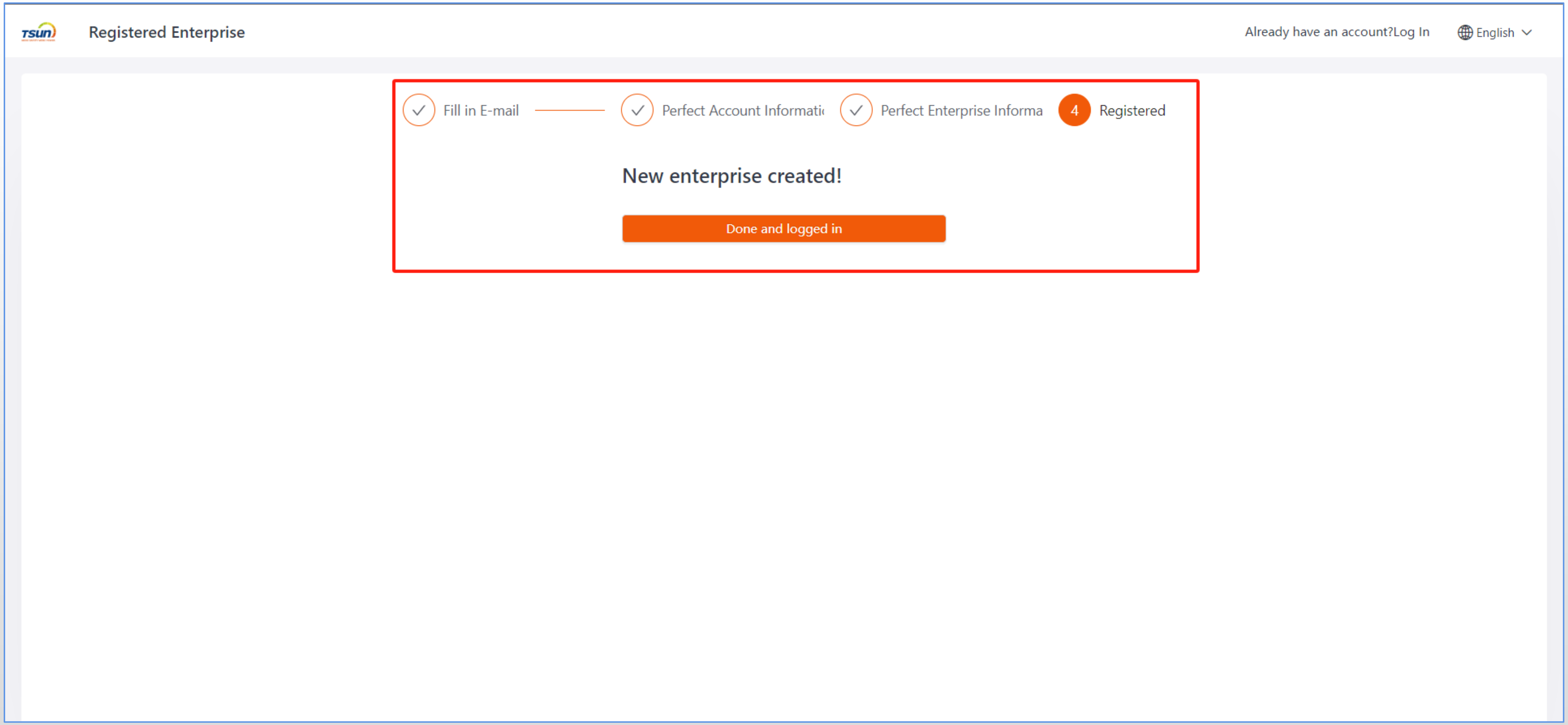
Enterprise Area: China

Type: ● Installation O&M Provider ○ Investors ○ Distributeur

Next

Fill the info, select your company type and click next （Distributer)

Create account

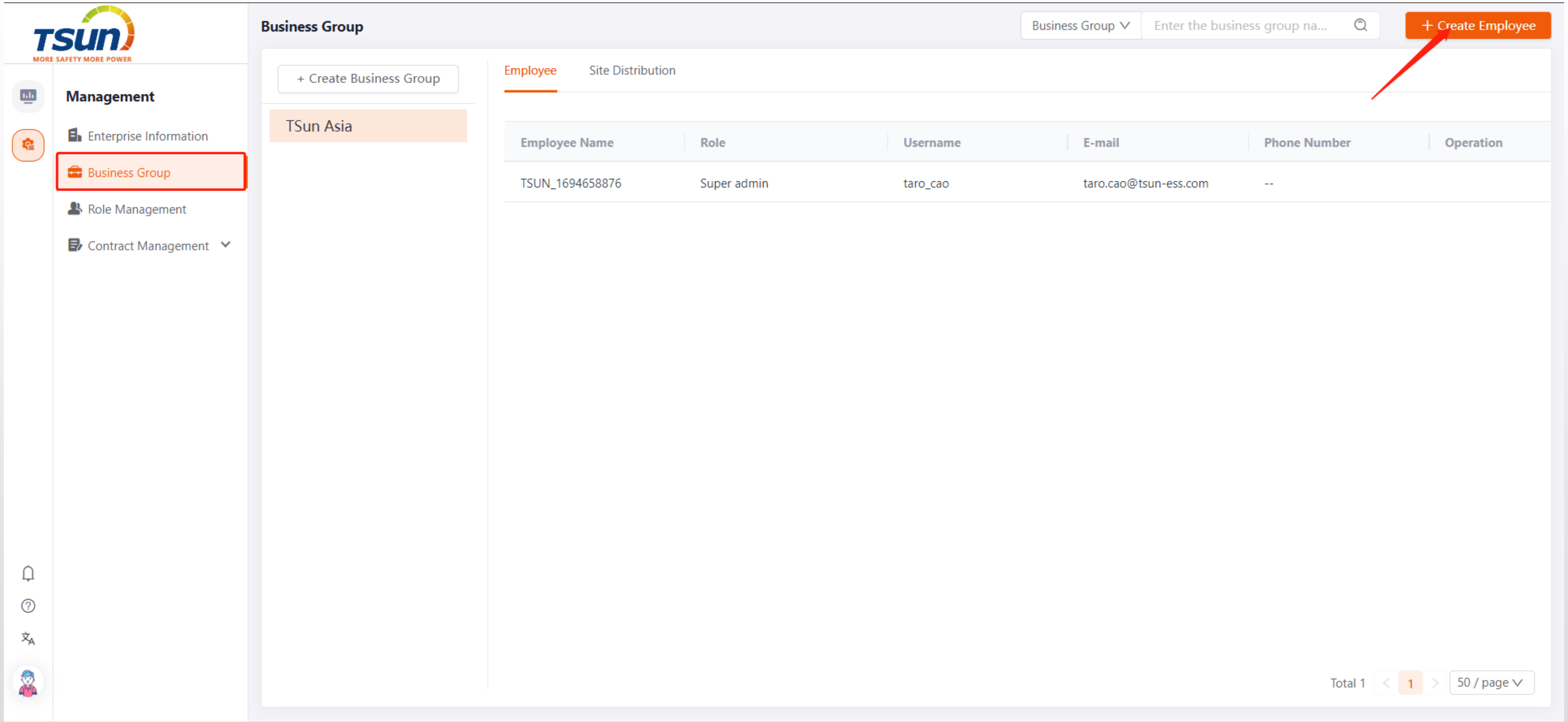

Registered Enterprise
Already have an account?Log In
English
Fill in E-mail
Perfect Account Informatic
Perfect Enterprise Informa
4
Registered

New enterprise created!

Done and logged in

Registered is done, click “Done and Logged in”

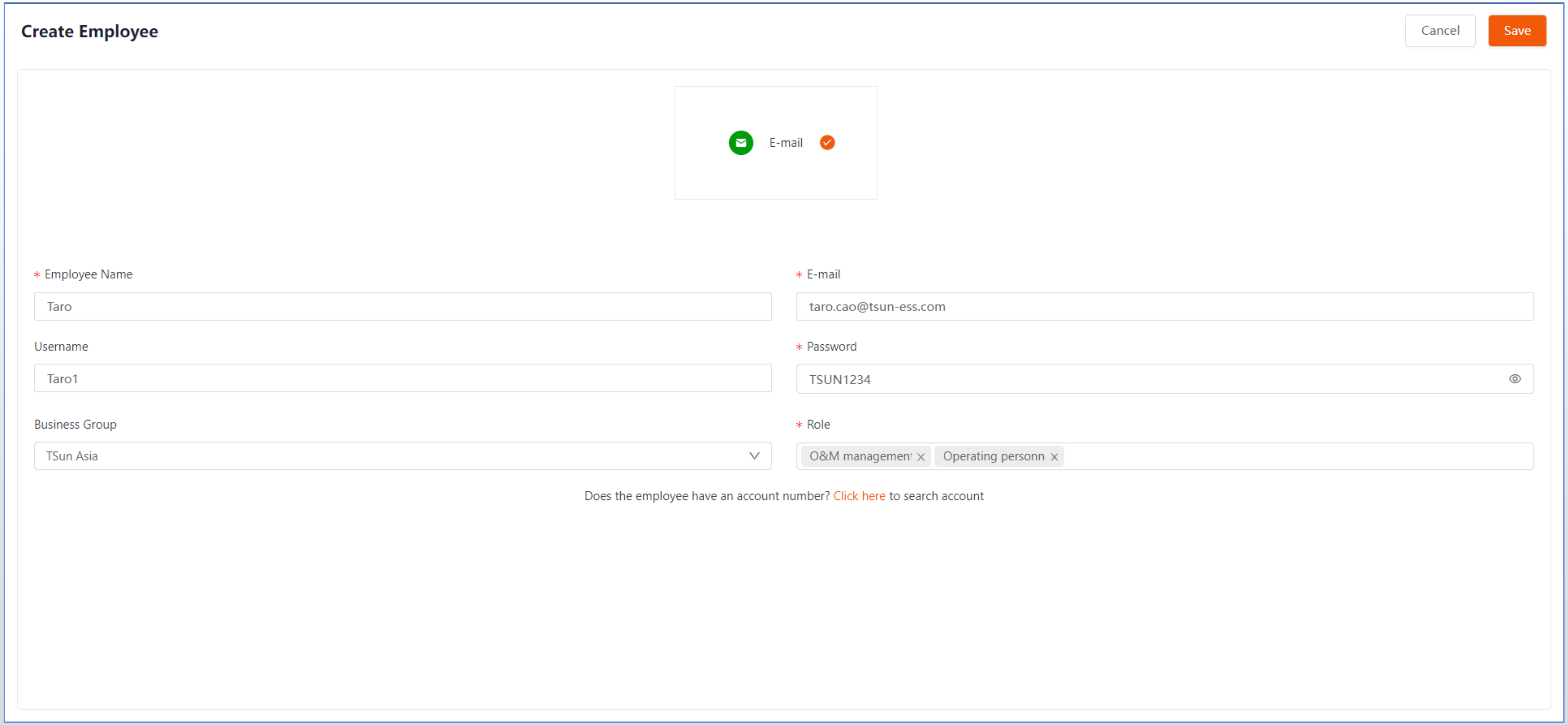
Business Group


TSUN
MORE SAFETY MORE POWER
Management
Enterprise Information
Business Group
Role Management
Contract Management
Business Group
Business Group
Enter the business group na...
+ Create Employee
+ Create Business Group
TSun Asia
Employee
Site Distribution
Total 1
1
50 / page

Employee Name	Role	Username	E-mail	Phone Number	Operation
TSUN_1694658876	Super admin	taro_cao	taro.cao@tsun-ess.com	--	

This is your Business Group
You can add/ Create Employee

Create Employee



Create Employee

* Employee Name: Taro

* E-mail: taro.cao@tsun-ess.com

Username: Taro1

* Password: TSUN1234

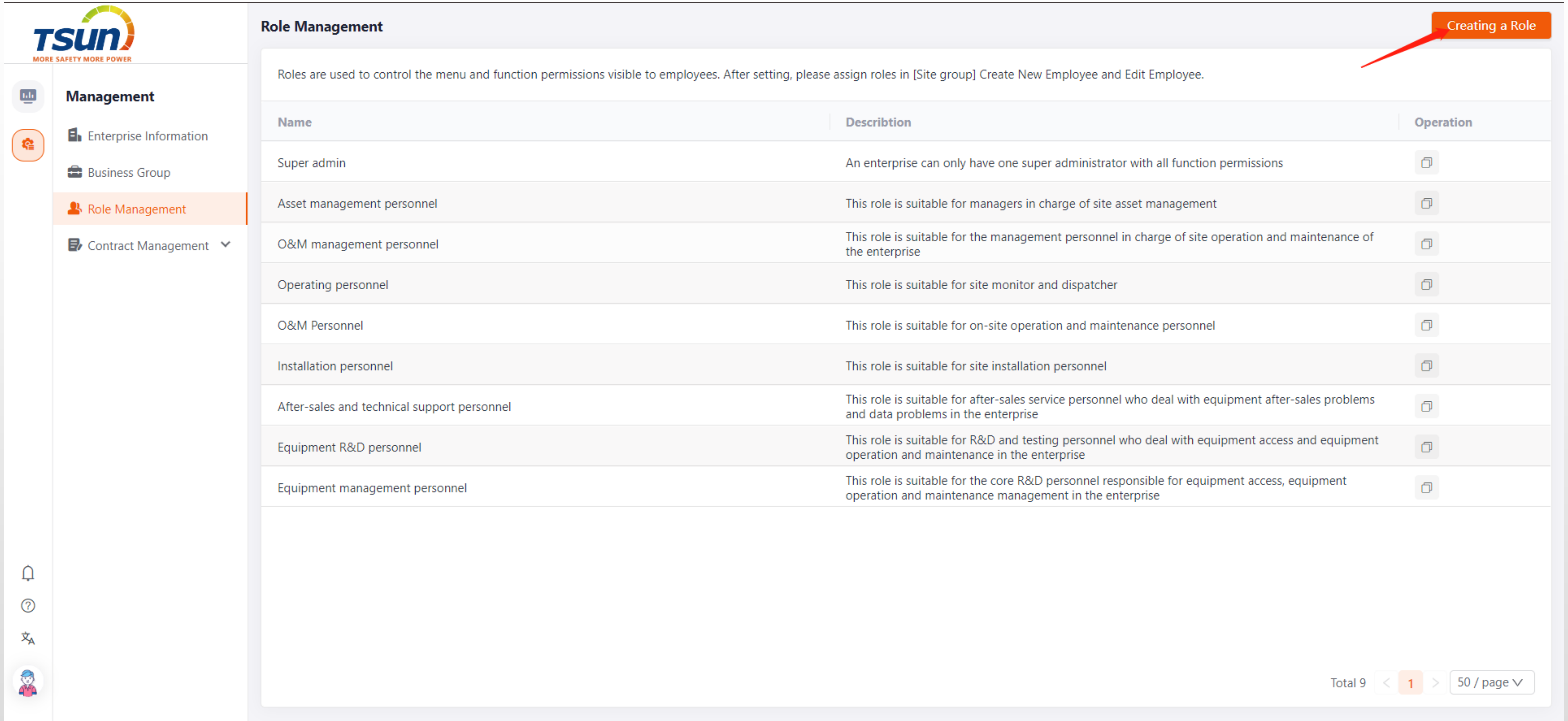
Business Group: TSun Asia

* Role: O&M managemen ✕ Operating personn ✕

Does the employee have an account number? Click here to search account

Fill in all the info

Role management / Creating a Role



Role Management

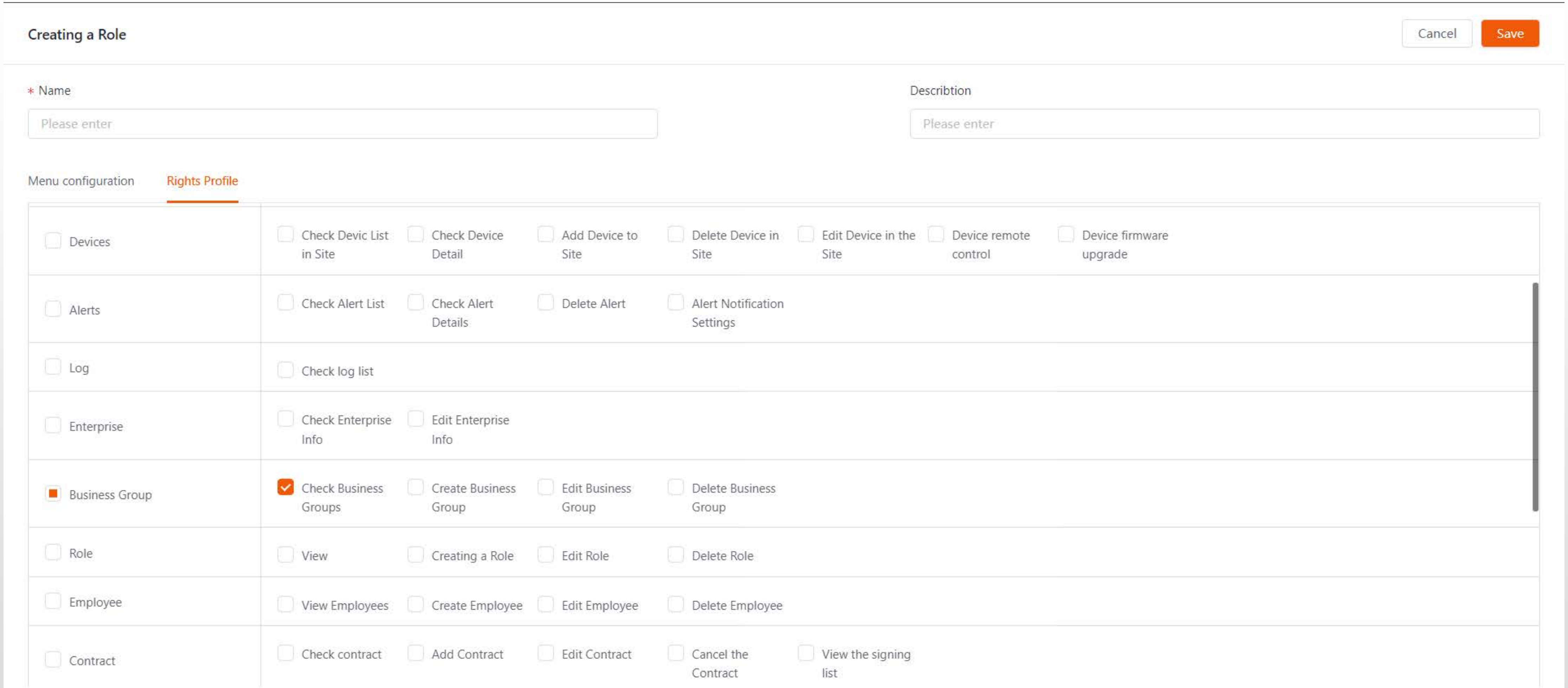
Roles are used to control the menu and function permissions visible to employees. After setting, please assign roles in [Site group] Create New Employee and Edit Employee.

Name	Describtion	Operation
Super admin	An enterprise can only have one super administrator with all function permissions	
Asset management personnel	This role is suitable for managers in charge of site asset management	
O&M management personnel	This role is suitable for the management personnel in charge of site operation and maintenance of the enterprise	
Operating personnel	This role is suitable for site monitor and dispatcher	
O&M Personnel	This role is suitable for on-site operation and maintenance personnel	
Installation personnel	This role is suitable for site installation personnel	
After-sales and technical support personnel	This role is suitable for after-sales service personnel who deal with equipment after-sales problems and data problems in the enterprise	
Equipment R&D personnel	This role is suitable for R&D and testing personnel who deal with equipment access and equipment operation and maintenance in the enterprise	
Equipment management personnel	This role is suitable for the core R&D personnel responsible for equipment access, equipment operation and maintenance management in the enterprise	

Total 9 < 1 > 50 / page

Here is all the default “Roles”
“Create a new Role” : Personalize some more roles with different authority”

Creating a Role



Creating a Role

* Name

Please enter

Describtion

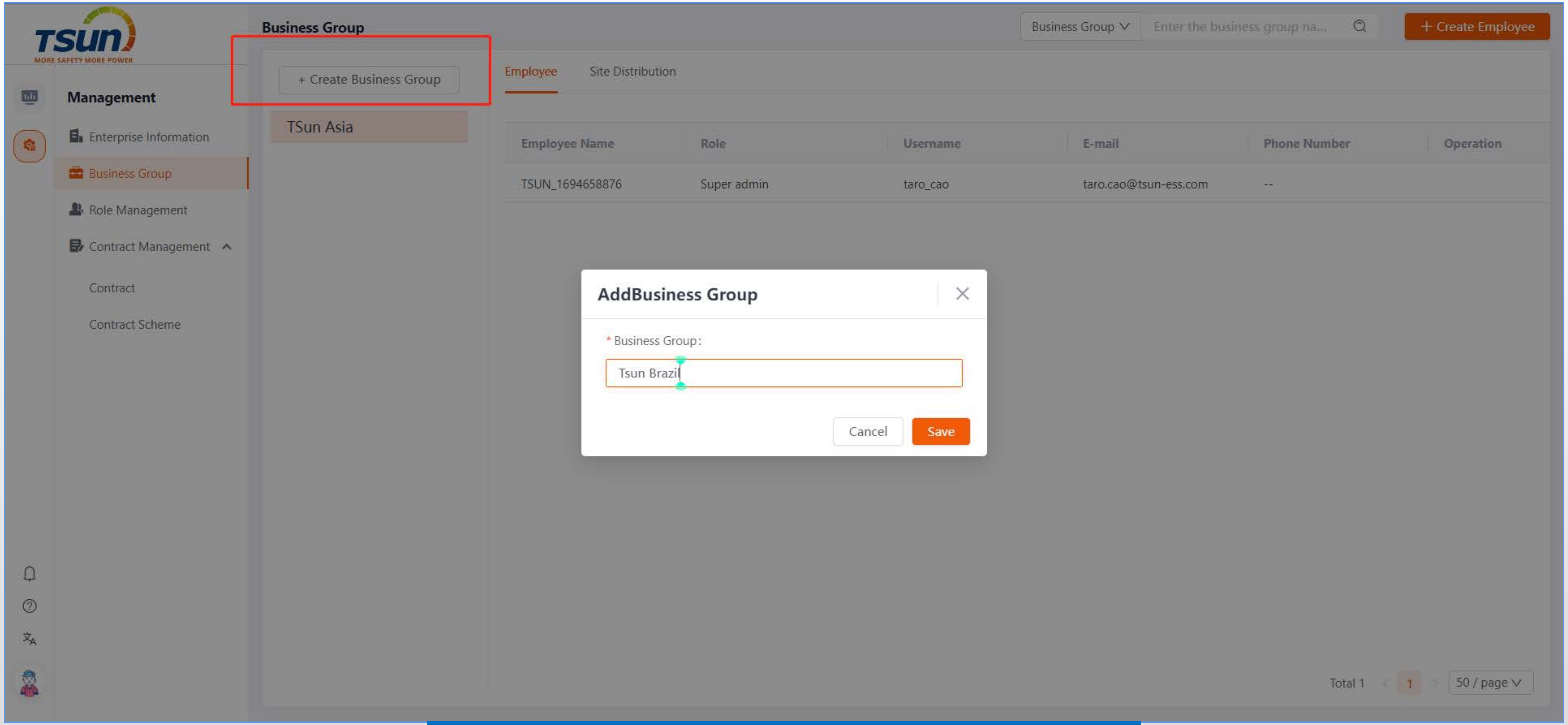
Please enter

☐ Devices	☐ Check Devic List in Site ☐ Check Device Detail ☐ Add Device to Site ☐ Delete Device in Site ☐ Edit Device in the Site ☐ Device remote control ☐ Device firmware upgrade
☐ Alerts	☐ Check Alert List ☐ Check Alert Details ☐ Delete Alert ☐ Alert Notification Settings
☐ Log	☐ Check log list
☐ Enterprise	☐ Check Enterprise Info ☐ Edit Enterprise Info
■ Business Group	☑ Check Business Groups ☐ Create Business Group ☐ Edit Business Group ☐ Delete Business Group
☐ Role	☐ View ☐ Creating a Role ☐ Edit Role ☐ Delete Role
☐ Employee	☐ View Employees ☐ Create Employee ☐ Edit Employee ☐ Delete Employee
☐ Contract	☐ Check contract ☐ Add Contract ☐ Edit Contract ☐ Cancel the Contract ☐ View the signing list

Check √ the rights as you need.

The “Check Business Groups” must be select

Create Business Group


TSUN
MORE SAFETY MORE POWER
Business Group
Business Group
Enter the business group na...
+ Create Employee
Management
Enterprise Information
Business Group
Role Management
Contract Management
Contract
Contract Scheme
+ Create Business Group
TSun Asia
Employee
Site Distribution
Total 1
1
50 / page

Employee Name	Role	Username	E-mail	Phone Number	Operation
TSUN_1694658876	Super admin	taro_cao	taro.cao@tsun-ess.com	--	

AddBusiness Group

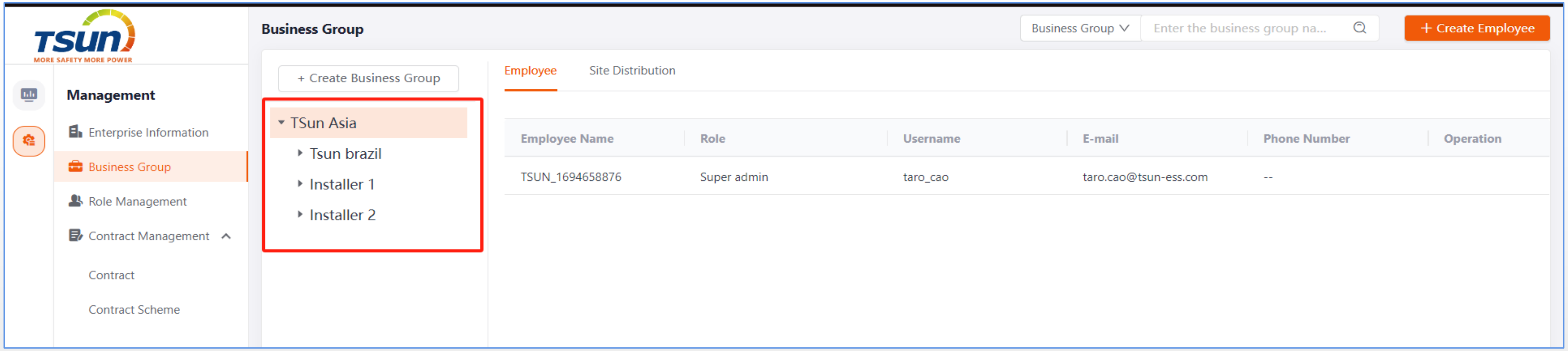
* Business Group: Tsun Brazil

Cancel
Save

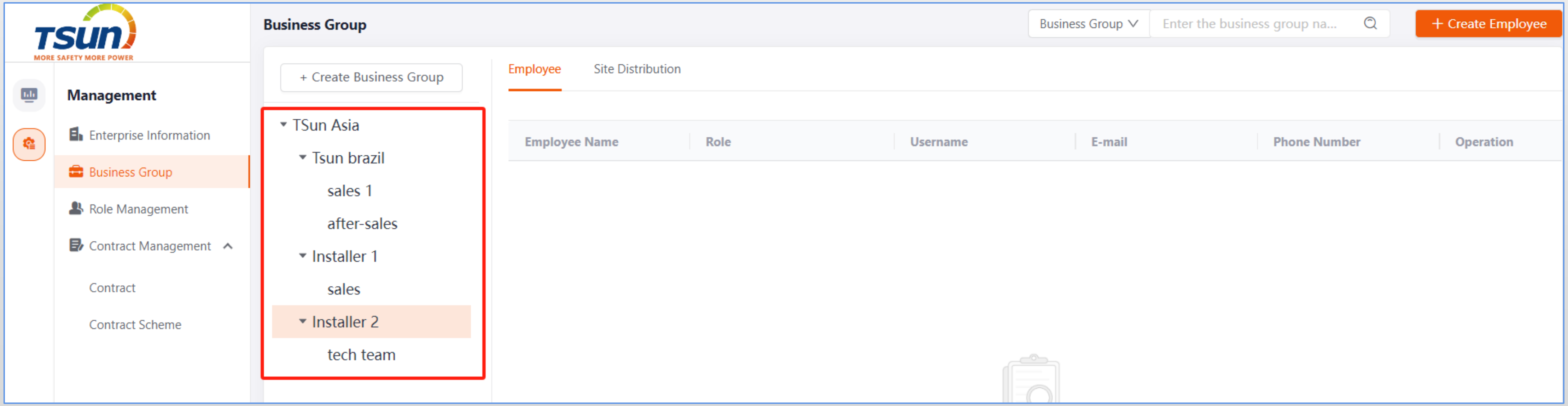
Create Business Group :

- Create your company Department
- Create your installer account

Edit / Manage Business Group

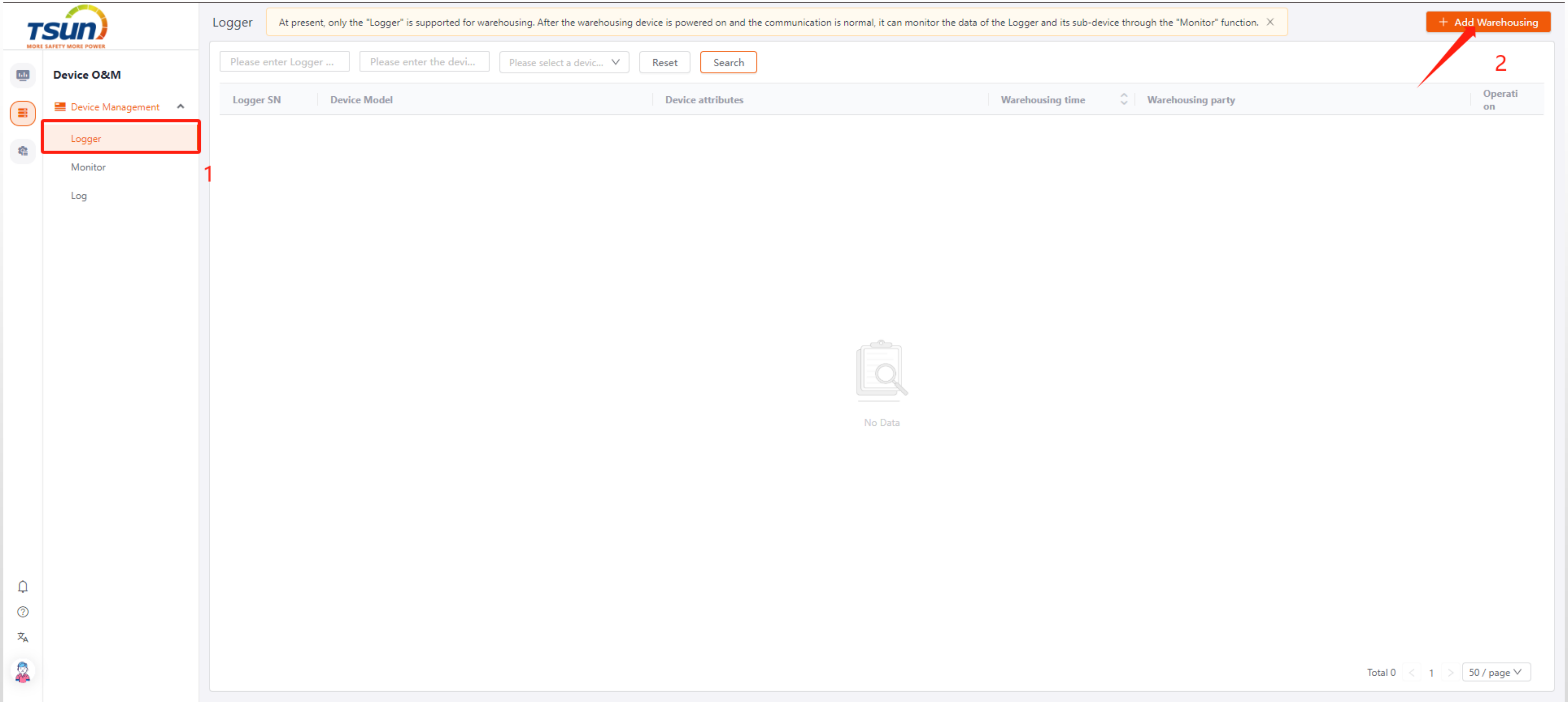

TSUN
MORE SAFETY MORE POWER
Management
Enterprise Information
Business Group
Role Management
Contract Management
Contract
Contract Scheme
Business Group
Business Group
Enter the business group na...
+ Create Employee
+ Create Business Group
TSun Asia
Tsun brazil
Installer 1
Installer 2
Employee
Site Distribution

Employee Name	Role	Username	E-mail	Phone Number	Operation
TSUN_1694658876	Super admin	taro_cao	taro.cao@tsun-ess.com	--	


TSUN
MORE SAFETY MORE POWER
Management
Enterprise Information
Business Group
Role Management
Contract Management
Contract
Contract Scheme
Business Group
Business Group
Enter the business group na...
+ Create Employee
+ Create Business Group
TSun Asia
Tsun brazil
sales 1
after-sales
Installer 1
sales
Installer 2
tech team
Employee
Site Distribution

Employee Name	Role	Username	E-mail	Phone Number	Operation

Add Warehousing



Logger

At present, only the "Logger" is supported for warehousing. After the warehousing device is powered on and the communication is normal, it can monitor the data of the Logger and its sub-device through the "Monitor" function.

Logger SN	Device Model	Device attributes	Warehousing time	Warehousing party	Operation

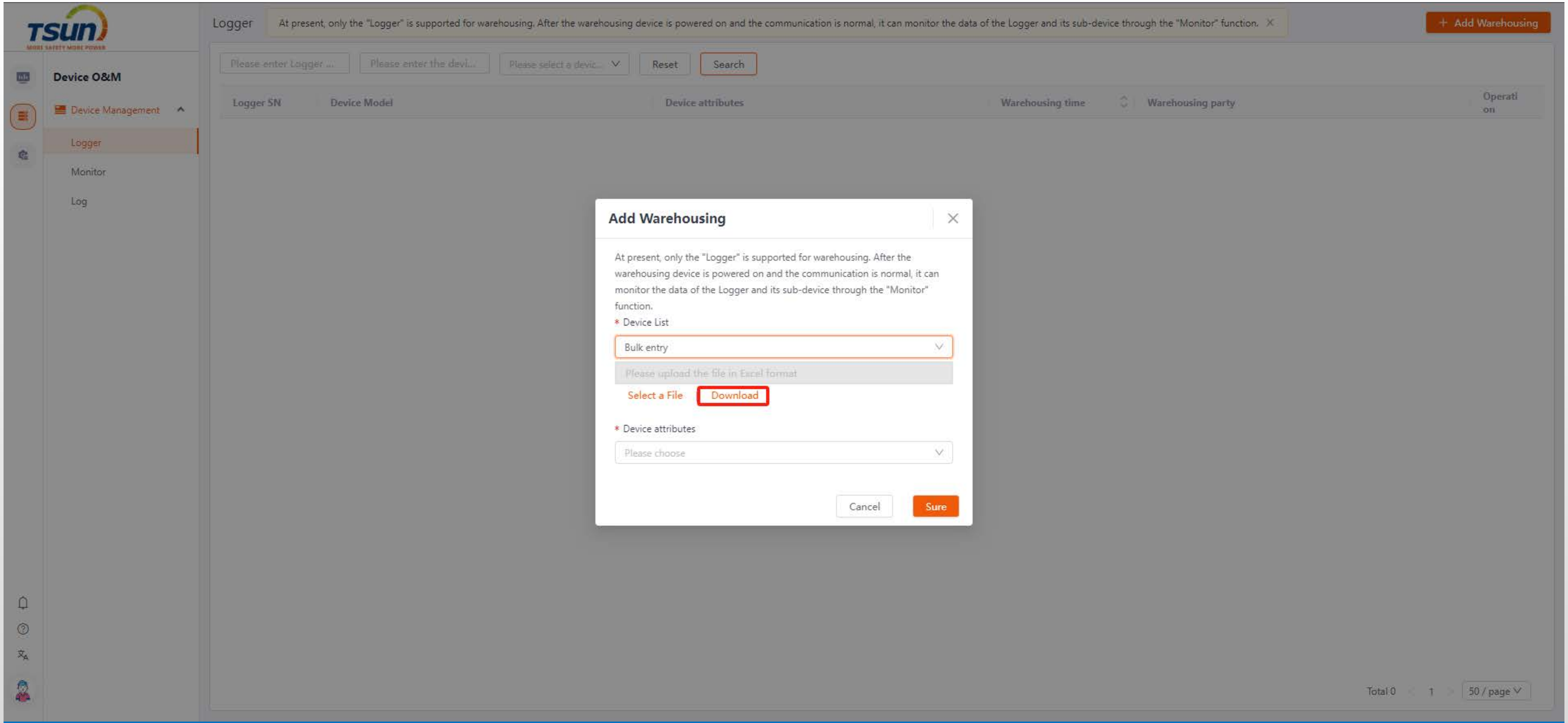
No Data

Total 0

TSUN
MORE SAFETY MORE POWER
Device O&M
Device Management
Logger
Monitor
Log
1
+ Add Warehousing
2
Please enter Logger ...
Please enter the devi...
Please select a devic...
Reset
Search
1
50 / page

Device O&M ------> Add Warehousing

Add Warehousing


TSUN
Device O&M
Device Management
Logger
Monitor
Log
Logger
+ Add Warehousing
Please enter Logger ...
Please enter the devi...
Please select a devic...
Reset
Search
Logger SN
Device Model
Device attributes
Warehousing time
Warehousing party
Operation
Total 0
1
50 / page
Add Warehousing
Select a File
Download
Cancel
Sure

At present, only the "Logger" is supported for warehousing. After the warehousing device is powered on and the communication is normal, it can monitor the data of the Logger and its sub-device through the "Monitor" function.

* Device List: Bulk entry

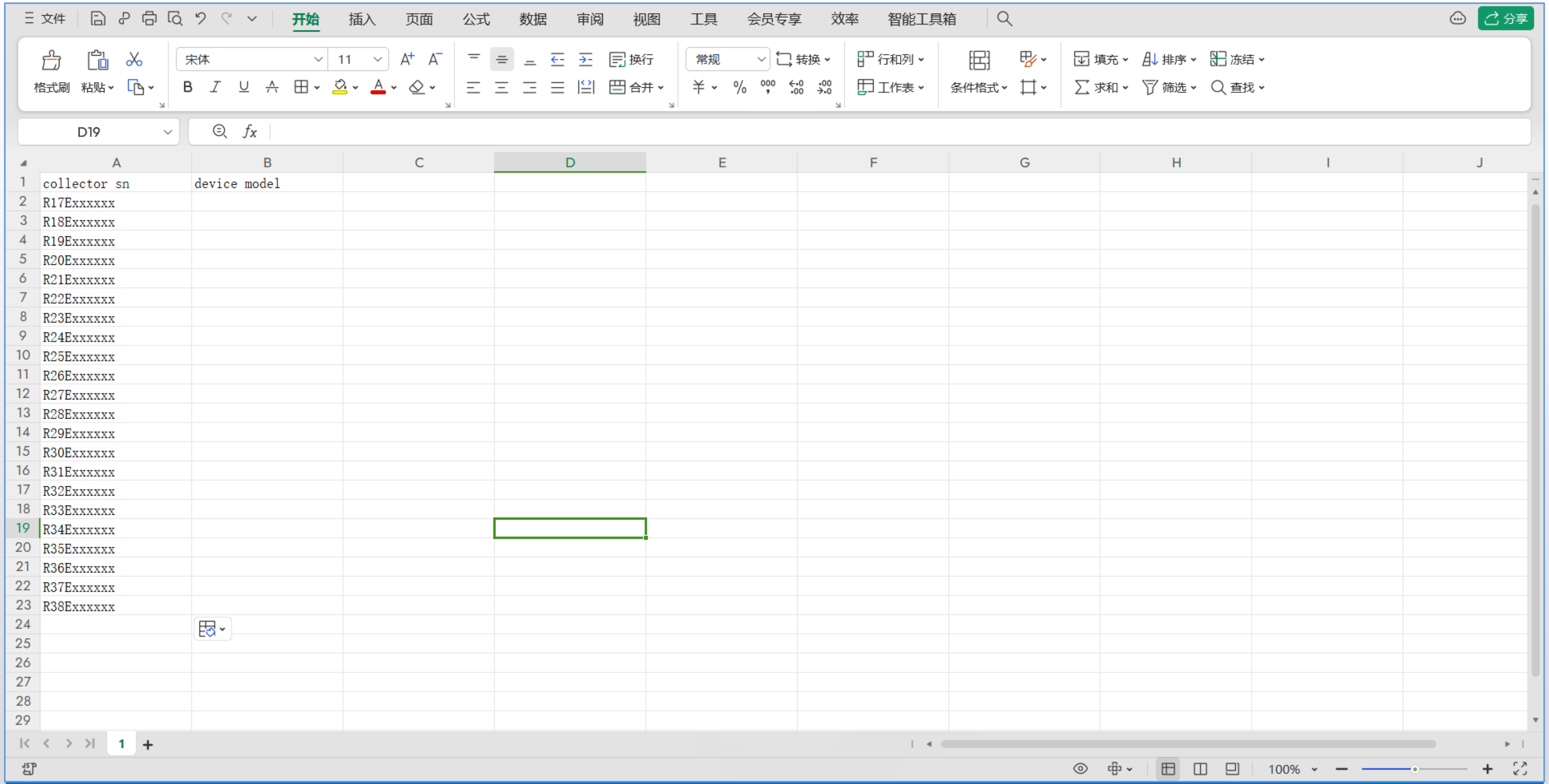
Please upload the file in Excel format

* Device attributes: Please choose

Download Template

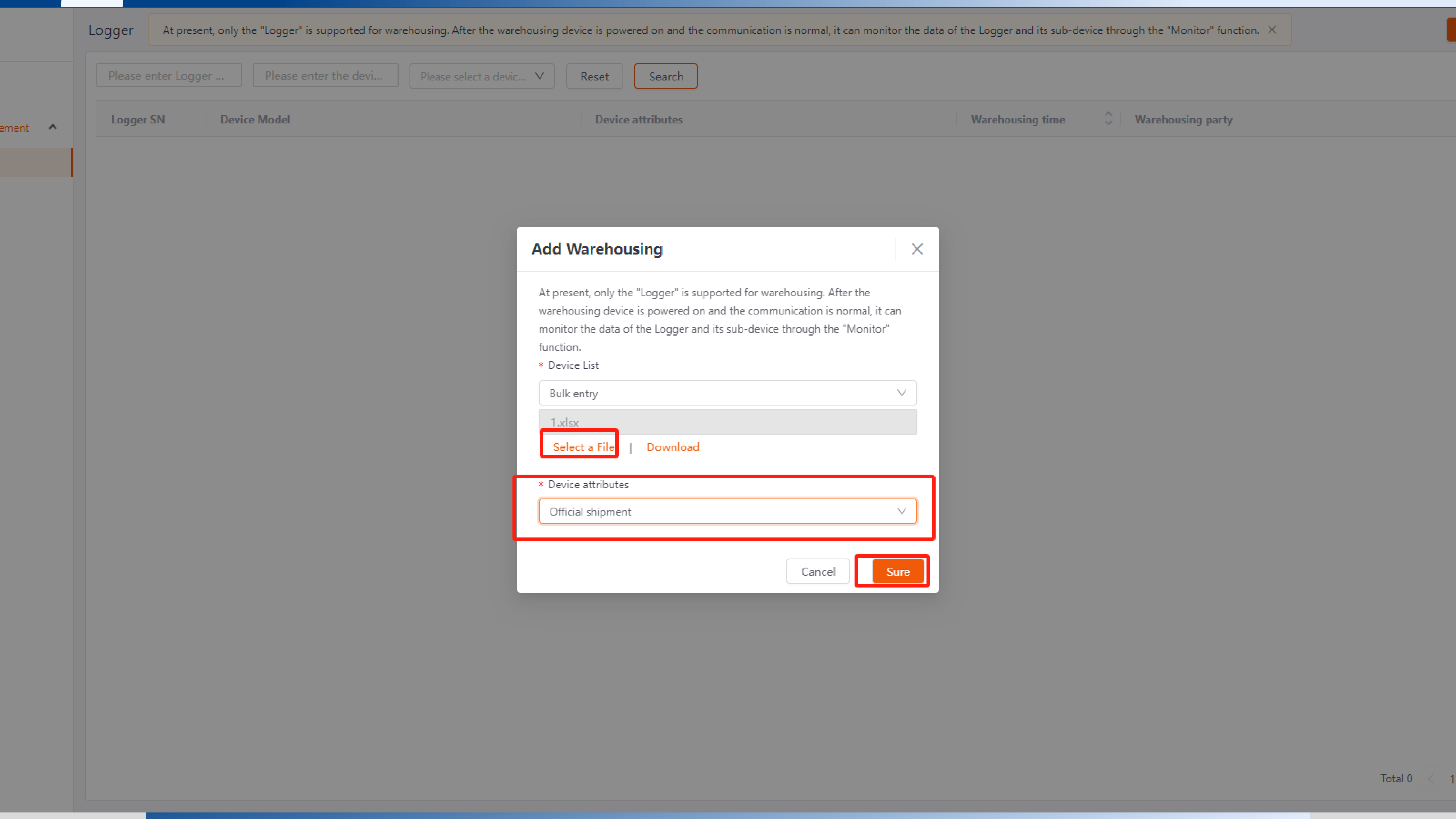
Add Warehousing

MORE SAFETY, MORE POWER


文件
开始
插入
页面
公式
数据
审阅
视图
工具
会员专享
效率
智能工具箱
分享
格式刷
粘贴
宋体
11
换行
合并
常规
转换
行和列
工作表
条件格式
填充
排序
冻结
求和
筛选
查找
D19
fx
100%

collector sn	device model
R17Exxxxxx	
R18Exxxxxx	
R19Exxxxxx	
R20Exxxxxx	
R21Exxxxxx	
R22Exxxxxx	
R23Exxxxxx	
R24Exxxxxx	
R25Exxxxxx	
R26Exxxxxx	
R27Exxxxxx	
R28Exxxxxx	
R29Exxxxxx	
R30Exxxxxx	
R31Exxxxxx	
R32Exxxxxx	
R33Exxxxxx	
R34Exxxxxx	
R35Exxxxxx	
R36Exxxxxx	
R37Exxxxxx	
R38Exxxxxx	

Fill the list


Logger
Please enter Logger ...
Please enter the devi...
Please select a devic...
Reset
Search
Logger SN
Device Model
Device attributes
Warehousing time
Warehousing party
ement
Total 0
Cancel
Sure
Select a File
Download

At present, only the "Logger" is supported for warehousing. After the warehousing device is powered on and the communication is normal, it can monitor the data of the Logger and its sub-device through the "Monitor" function.

Add Warehousing

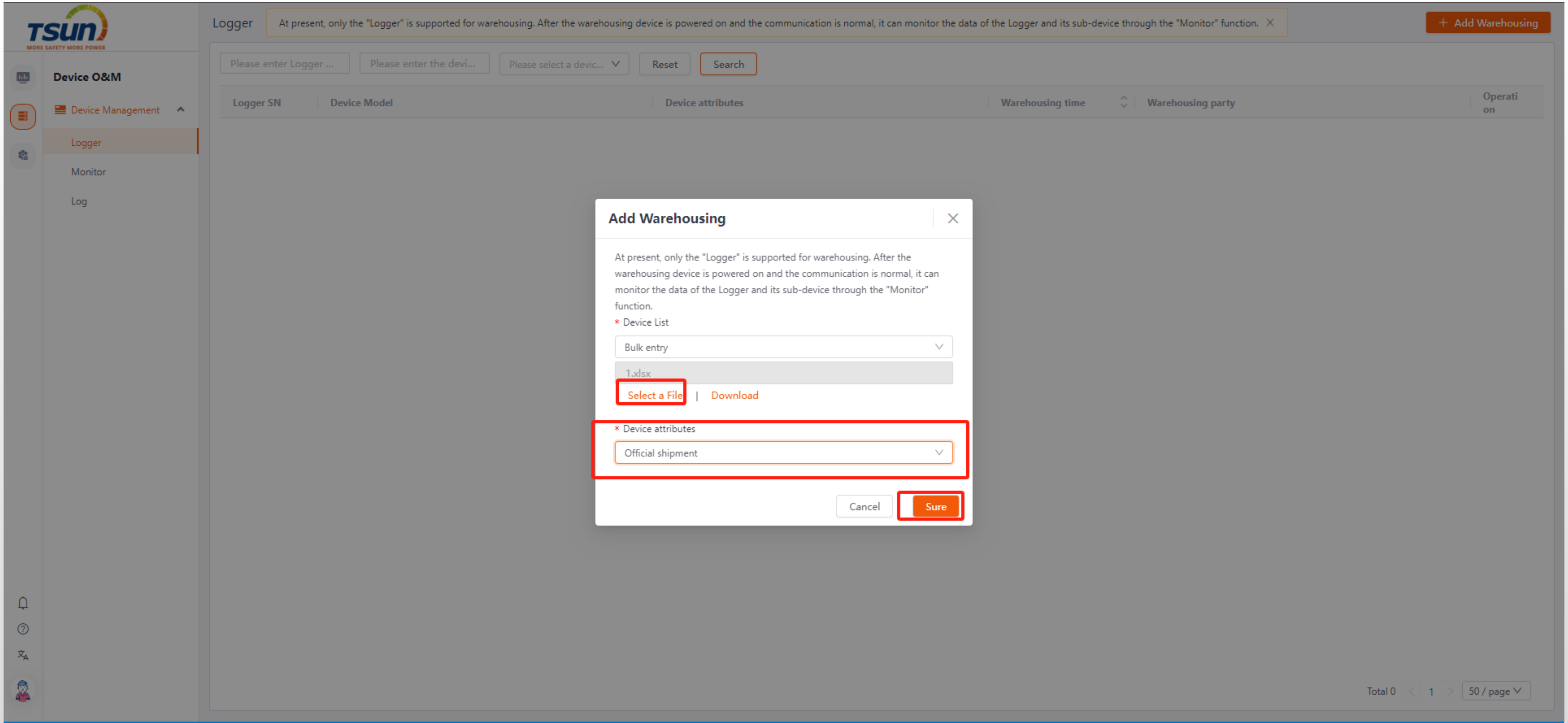
At present, only the "Logger" is supported for warehousing. After the warehousing device is powered on and the communication is normal, it can monitor the data of the Logger and its sub-device through the "Monitor" function.

* Device List: Bulk entry

1.xlsx

* Device attributes: Official shipment

Add Warehousing


Logger
+ Add Warehousing
Device O&M
Device Management
Logger
Monitor
Log
Please enter Logger ...
Please enter the devi...
Please select a devic...
Reset
Search
Logger SN
Device Model
Device attributes
Warehousing time
Warehousing party
Operation
Total 0
1
50 / page

At present, only the "Logger" is supported for warehousing. After the warehousing device is powered on and the communication is normal, it can monitor the data of the Logger and its sub-device through the "Monitor" function.

Add Warehousing

At present, only the "Logger" is supported for warehousing. After the warehousing device is powered on and the communication is normal, it can monitor the data of the Logger and its sub-device through the "Monitor" function.

* Device List: Bulk entry

1.xlsx

Select a File | Download

* Device attributes: Official shipment

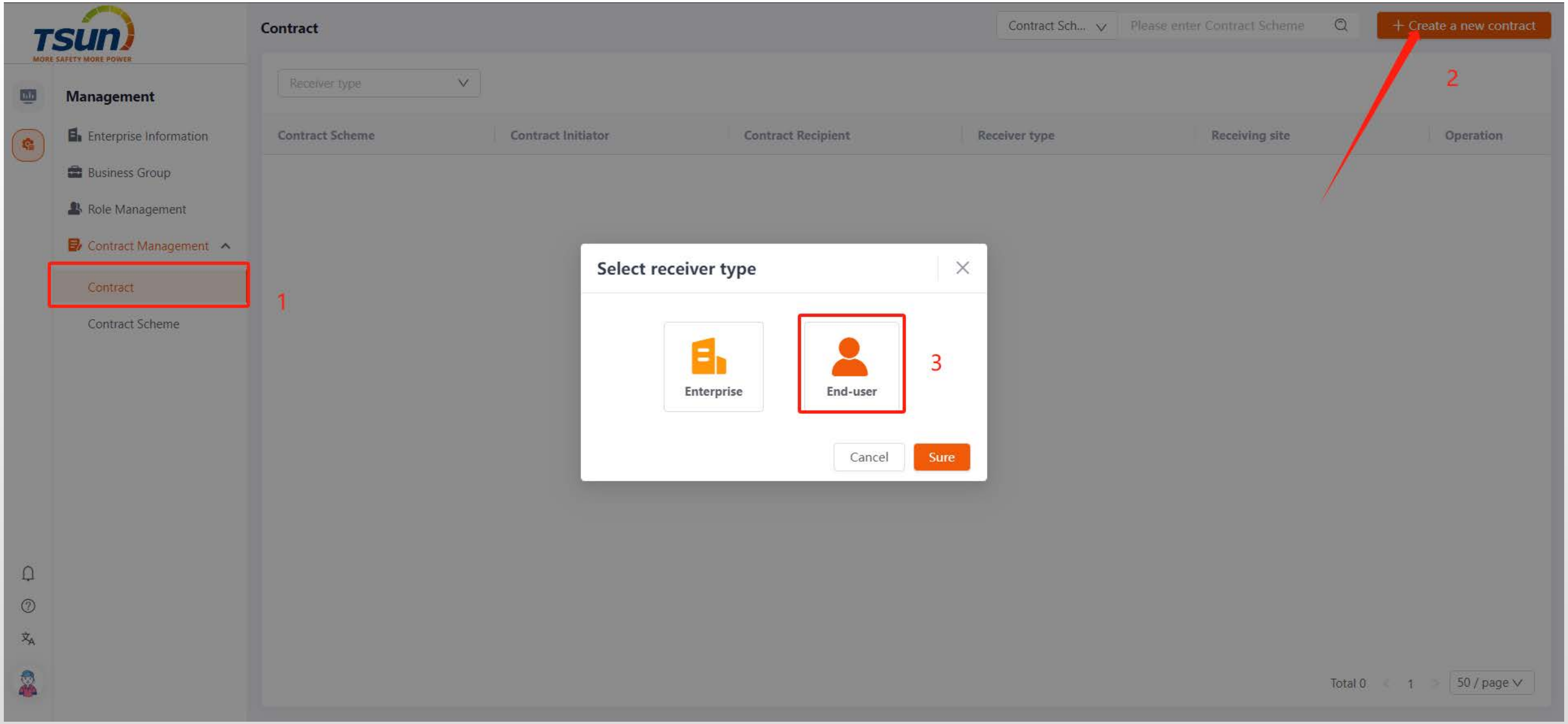
Cancel | Sure

Upload the file -----> select Offical Shippment----> Click “Sure”

Installer Duty

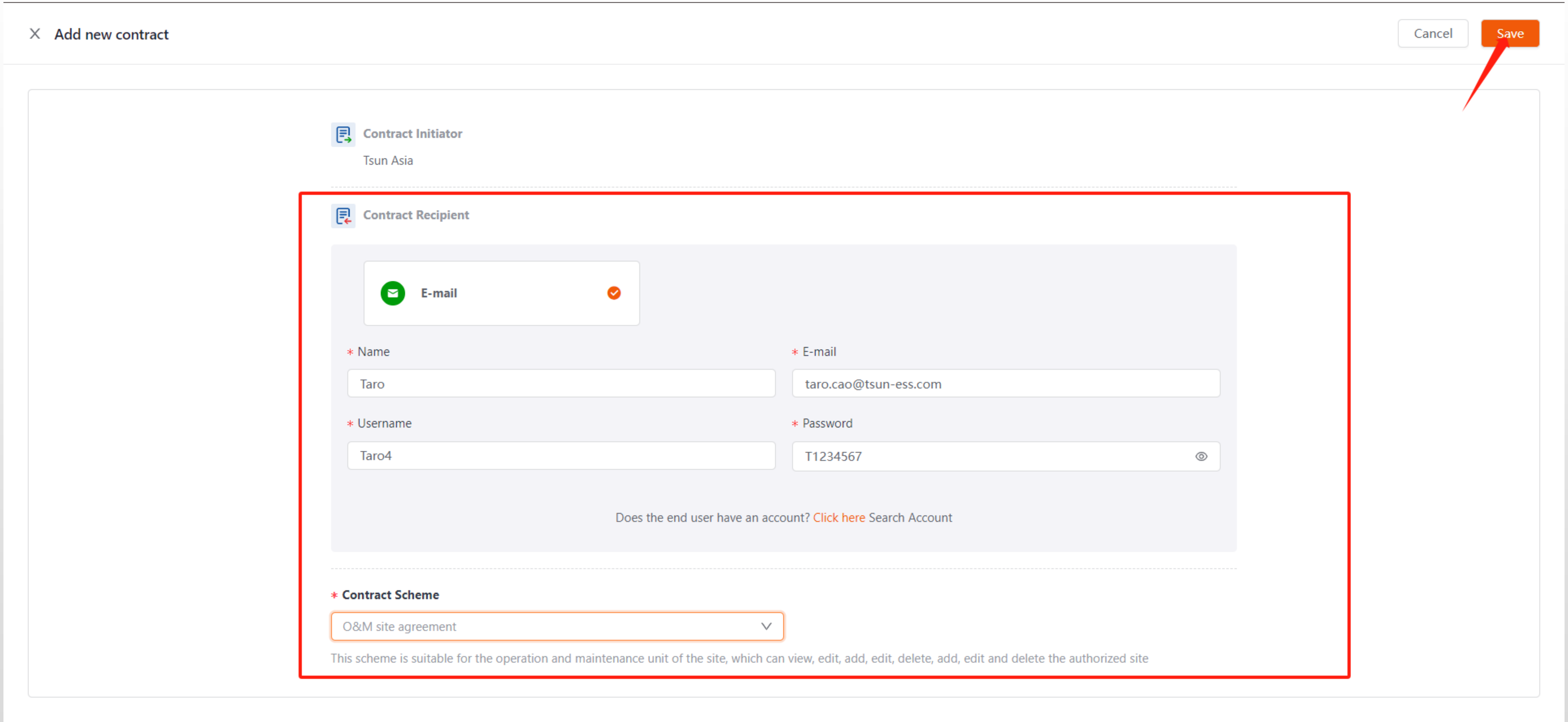
Installer Duty
1. Create you own account if need 2. Help End-User to create plant 3. Share the authority 4. Feedback and share the plant info if there is problem

Contract Mangment



Contract
Contract Sch...
Please enter Contract Scheme
+ Create a new contract
2
Management
Enterprise Information
Business Group
Role Management
Contract Management
Contract
1
Contract Scheme
Receiver type
Contract Scheme
Contract Initiator
Contract Recipient
Receiver type
Receiving site
Operation
Select receiver type
Enterprise
End-user
3
Cancel
Sure
Total 0
1
50 / page

Create End-User Contract



Add new contract

Contract Initiator

Tsun Asia

Contract Recipient

E-mail ✓

* Name: Taro

* E-mail: taro.cao@tsun-ess.com

* Username: Taro4

* Password: T1234567

Does the end user have an account? Click here Search Account

* **Contract Scheme**

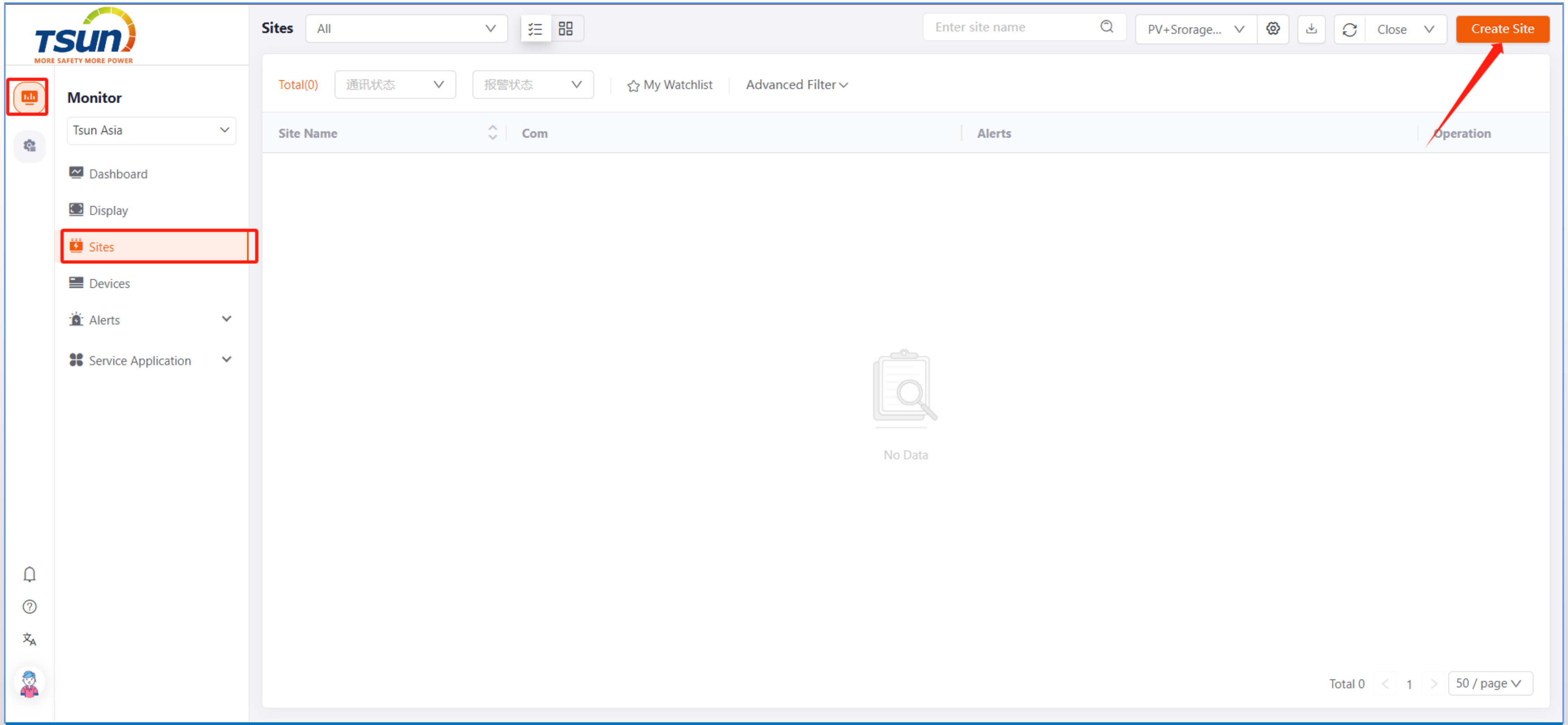
O&M site agreement

This scheme is suitable for the operation and maintenance unit of the site, which can view, edit, add, edit, delete, add, edit and delete the authorized site

Operation

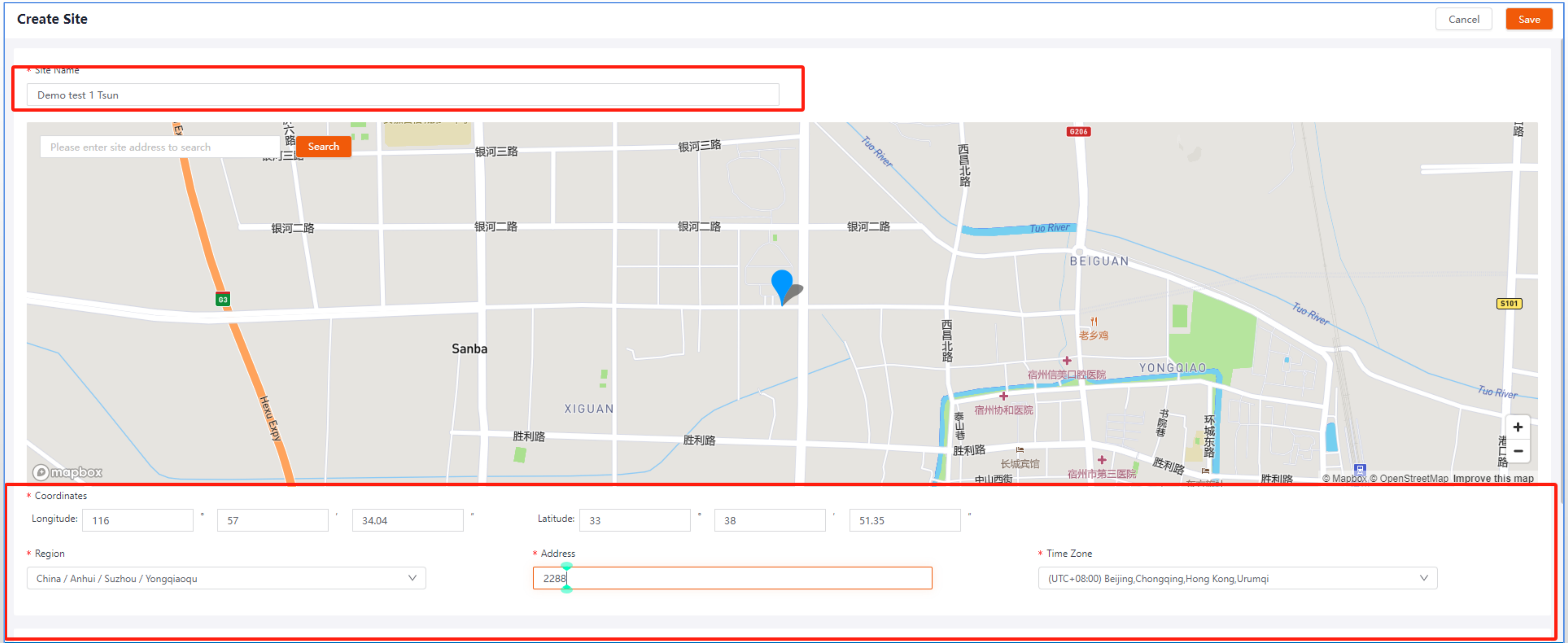
Installer Create End-user account	**End-user Create Themselves**
TSUN Monitoring and Management Portal	Talent smart APP
Installer can manage, edit and view the plant End-user only can View after Installer authorized the end-user	Installer must get the permitation from end-user to authorize both the Installer and Distributer
Need to authorize Distributer	

Create Site for end-user


Sites
All
Enter site name
PV+Srorage...
Close
Create Site
Total(0)
通讯状态
报警状态
My Watchlist
Advanced Filter
Site Name
Com
Alerts
Operation
No Data
Total 0
1
50 / page
Monitor
Tsun Asia
Dashboard
Display
Sites
Devices
Alerts
Service Application

Monitoring ----> sites ----> Create Site

Create Site for end-user


Create Site
Cancel
Save
Please enter site address to search
Search
银河三路
银河二路
Sanba
XIGUAN
胜利路
Hexu Expy
Tuo River
BEIGUAN
YONGQIAO
西昌北路
老乡鸡
宿州信美口腔医院
宿州协和医院
长城宾馆
宿州市第三医院
中山西街
环城东路
G206
S101
G3
+
−
mapbox
© Mapbox © OpenStreetMap Improve this map

* Site Name: Demo test 1 Tsun

* Coordinates

Longitude: 116 ° 57 ' 34.04 "

Latitude: 33 ° 38 ' 51.35 "

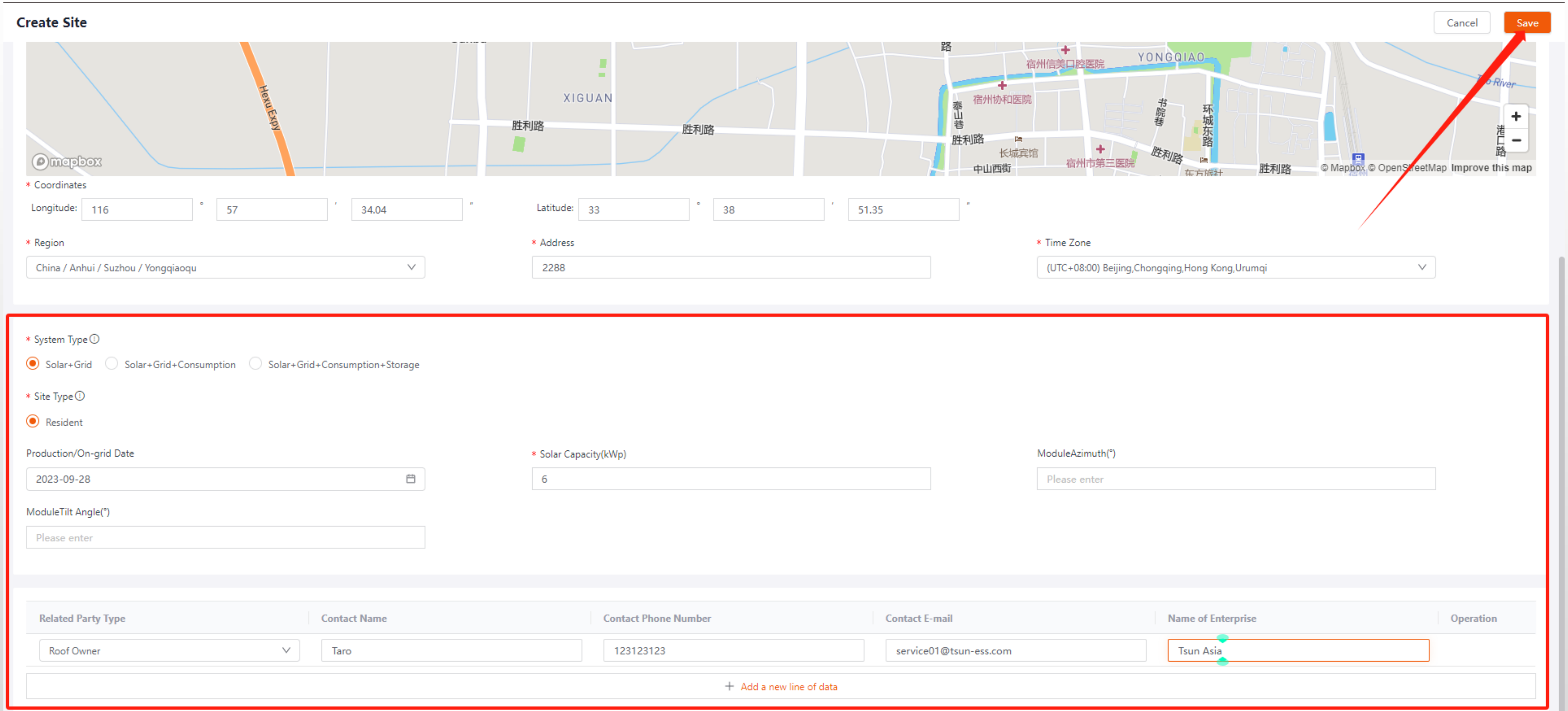
* Region: China / Anhui / Suzhou / Yongqiaoqu

* Address: 2288

* Time Zone: (UTC+08:00) Beijing,Chongqing,Hong Kong,Urumqi

Fill in all the info

Create Site for end-user


Cancel
Save
XIGUAN
YONGQIAO
Hexu Expy
胜利路
mapbox
© Mapbox © OpenStreetMap Improve this map

Create Site

* Coordinates

Longitude: 116 ° 57 ' 34.04 " Latitude: 33 ° 38 ' 51.35 "

* Region: China / Anhui / Suzhou / Yongqiaoqu

* Address: 2288

* Time Zone: (UTC+08:00) Beijing,Chongqing,Hong Kong,Urumqi

* System Type

● Solar+Grid ○ Solar+Grid+Consumption ○ Solar+Grid+Consumption+Storage

* Site Type

● Resident

Production/On-grid Date: 2023-09-28

* Solar Capacity(kWp): 6

ModuleAzimuth(°): Please enter

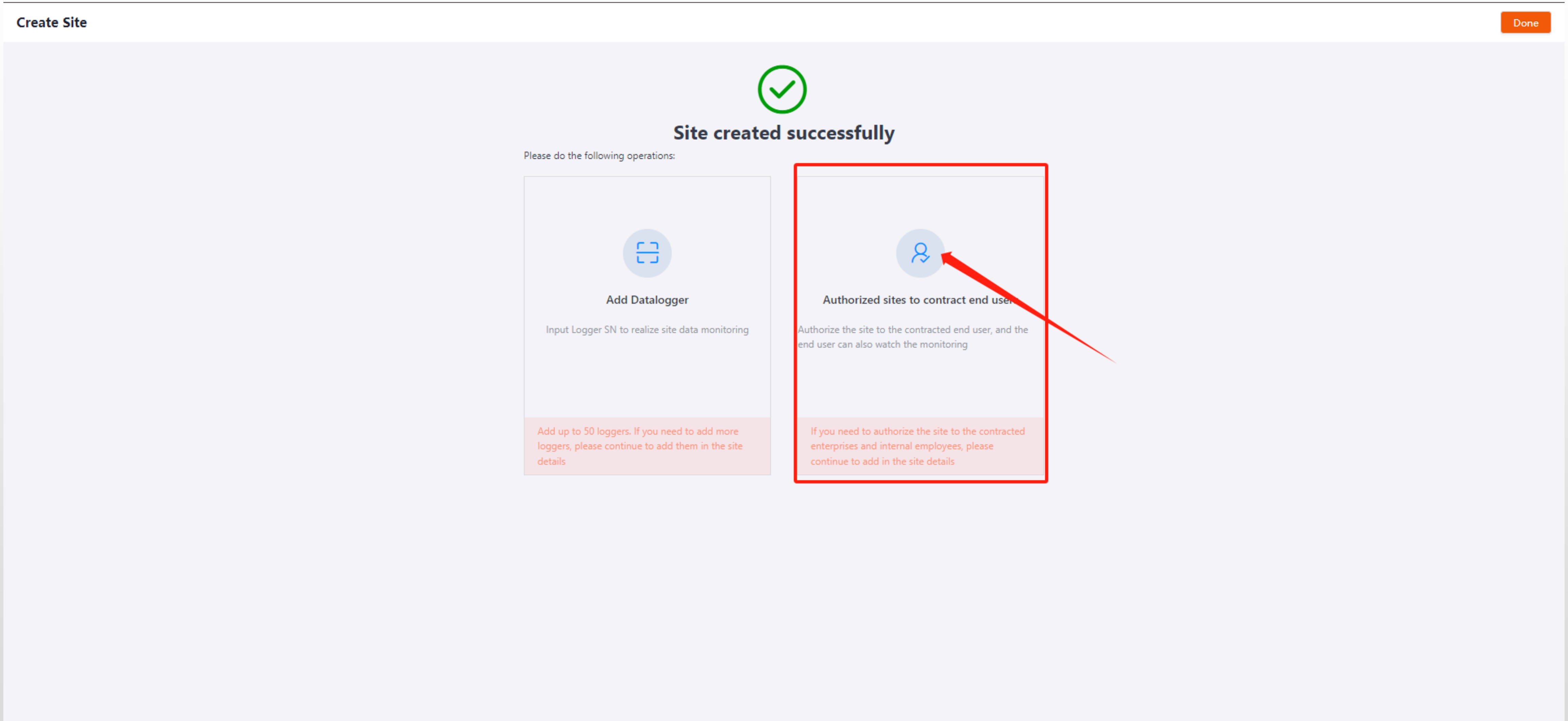
ModuleTilt Angle(°): Please enter

Related Party Type	Contact Name	Contact Phone Number	Contact E-mail	Name of Enterprise	Operation
Roof Owner	Taro	123123123	service01@tsun-ess.com	Tsun Asia	

+ Add a new line of data

Fill in all the info and click Save

Create Site for end-user



Create Site

Site created successfully

Please do the following operations:

Add Datalogger

Input Logger SN to realize site data monitoring

Add up to 50 loggers. If you need to add more loggers, please continue to add them in the site details

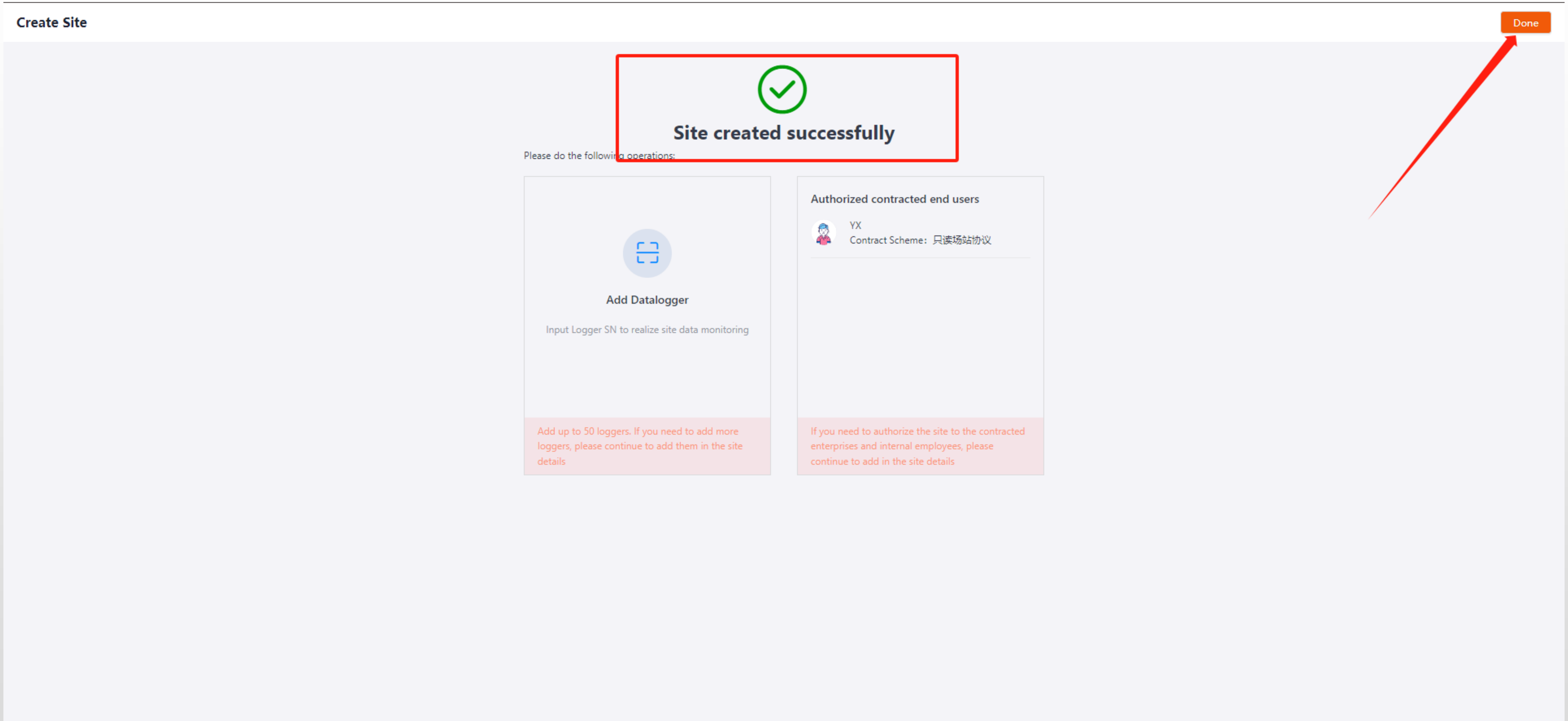
Authorized sites to contract end use

Authorize the site to the contracted end user, and the end user can also watch the monitoring

If you need to authorize the site to the contracted enterprises and internal employees, please continue to add in the site details

Click Authorized sites to contract end-user

Authorize Distributor



Create Site

Site created successfully

Please do the following operations:

Input Logger SN to realize site data monitoring

Add up to 50 loggers. If you need to add more loggers, please continue to add them in the site details

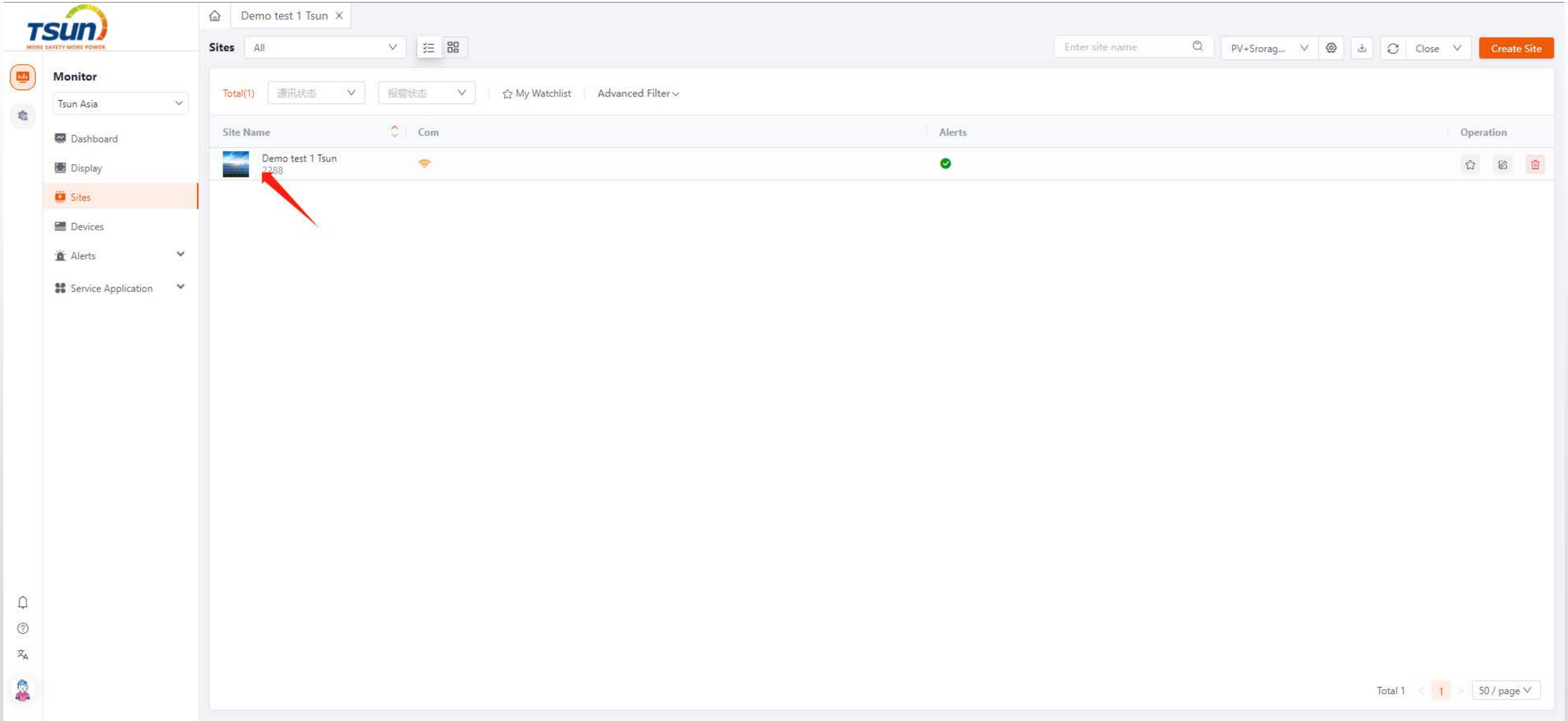
Authorized contracted end users

YX
Contract Scheme: 只读场站协议

If you need to authorize the site to the contracted enterprises and internal employees, please continue to add in the site details

Fill in the info --- choose read site only agreement ---- click save

Authorize Distributor

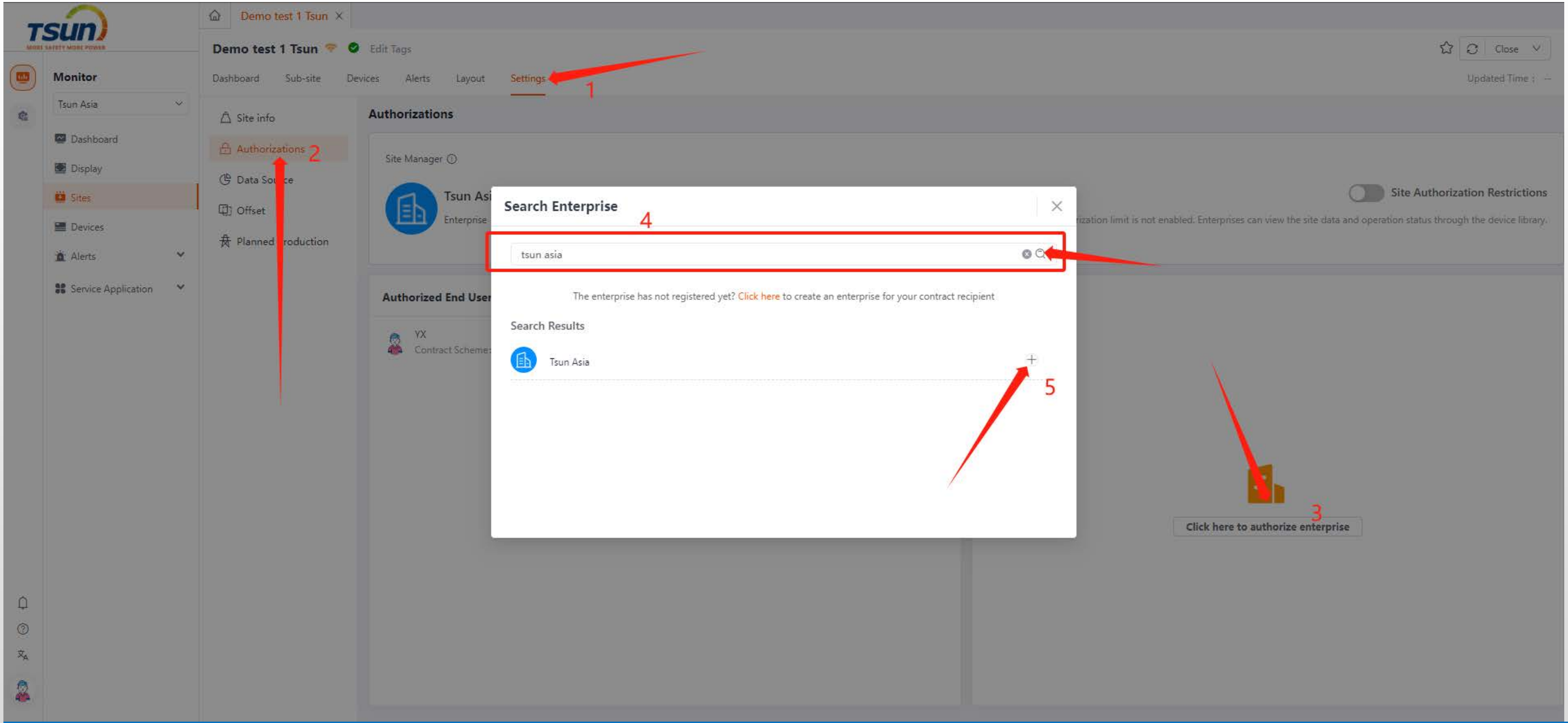


TSUN
MORE SAFETY MORE POWER
Demo test 1 Tsun
Sites
All
Enter site name
PV+Srorag...
Close
Create Site
Monitor
Tsun Asia
Dashboard
Display
Sites
Devices
Alerts
Service Application
Total(1)
通讯状态
报警状态
My Watchlist
Advanced Filter
Total 1
1
50 / page

Site Name	Com	Alerts	Operation
Demo test 1 Tsun 2288		✓	

Click Plant

Authorize Distributor


Demo test 1 Tsun
Monitor
Tsun Asia
Dashboard
Display
Sites
Devices
Alerts
Service Application
Demo test 1 Tsun
Edit Tags
Close
Dashboard
Sub-site
Devices
Alerts
Layout
Settings
1
Updated Time：--
Site info
Authorizations
2
Data Source
Offset
Planned Production
Authorizations
Site Manager
Tsun Asia
Enterprise
Site Authorization Restrictions
Authorized End User
YX
Contract Scheme
4
5
3
Click here to authorize enterprise

Search Enterprise

tsun asia

The enterprise has not registered yet? Click here to create an enterprise for your contract recipient

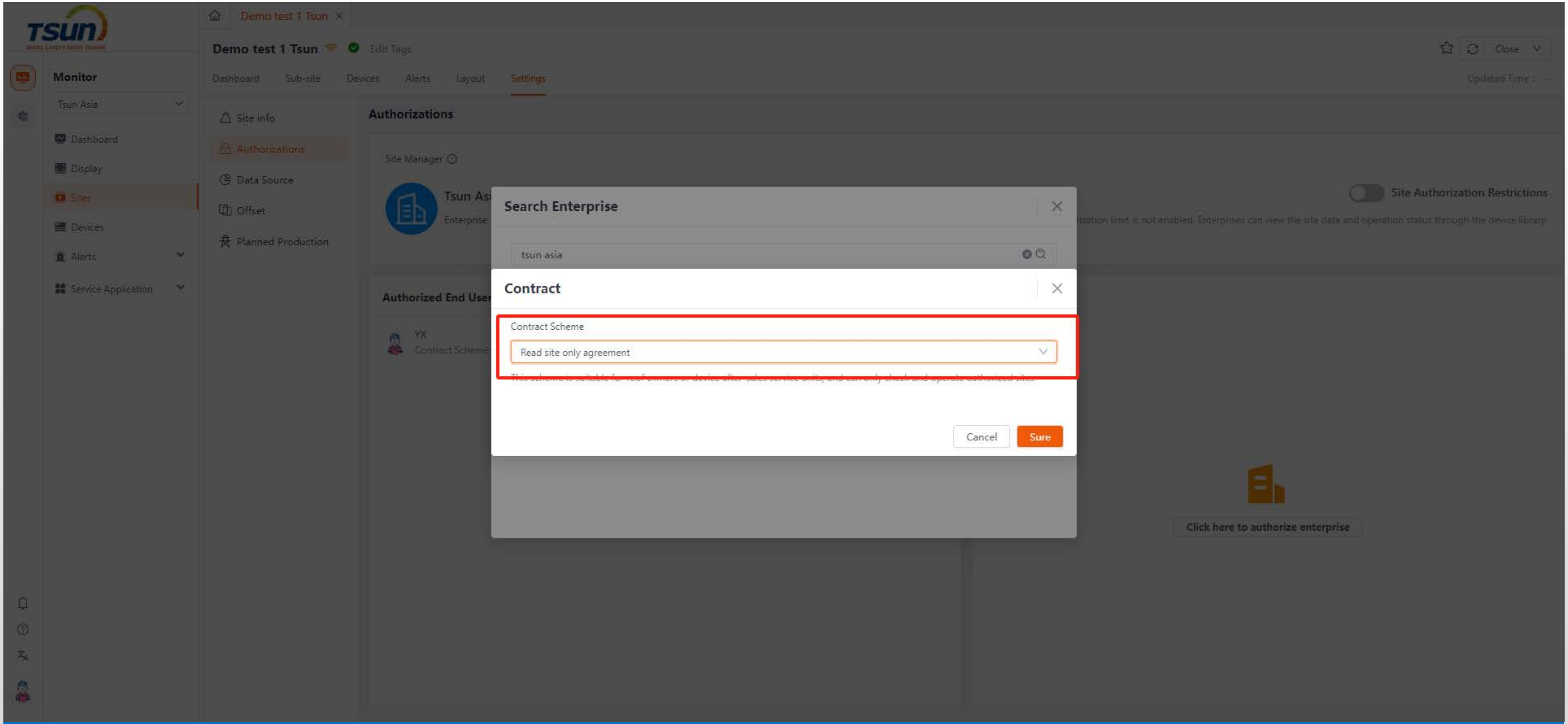
Search Results

Tsun Asia

...ization limit is not enabled. Enterprises can view the site data and operation status through the device library.

Click Setting--> Click Authorizations---- Click authorize enterprise --- enter enterprise name --Click +

Authorize Distributor


Demo test 1 Tsun
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Planned Production
Authorizations
Site Manager
Tsun Asi
Enterprise
Site Authorization Restrictions
Authorized End User
YX
Contract Scheme
Click here to authorize enterprise
Search Enterprise
Contract
Cancel
Sure

Search: tsun asia

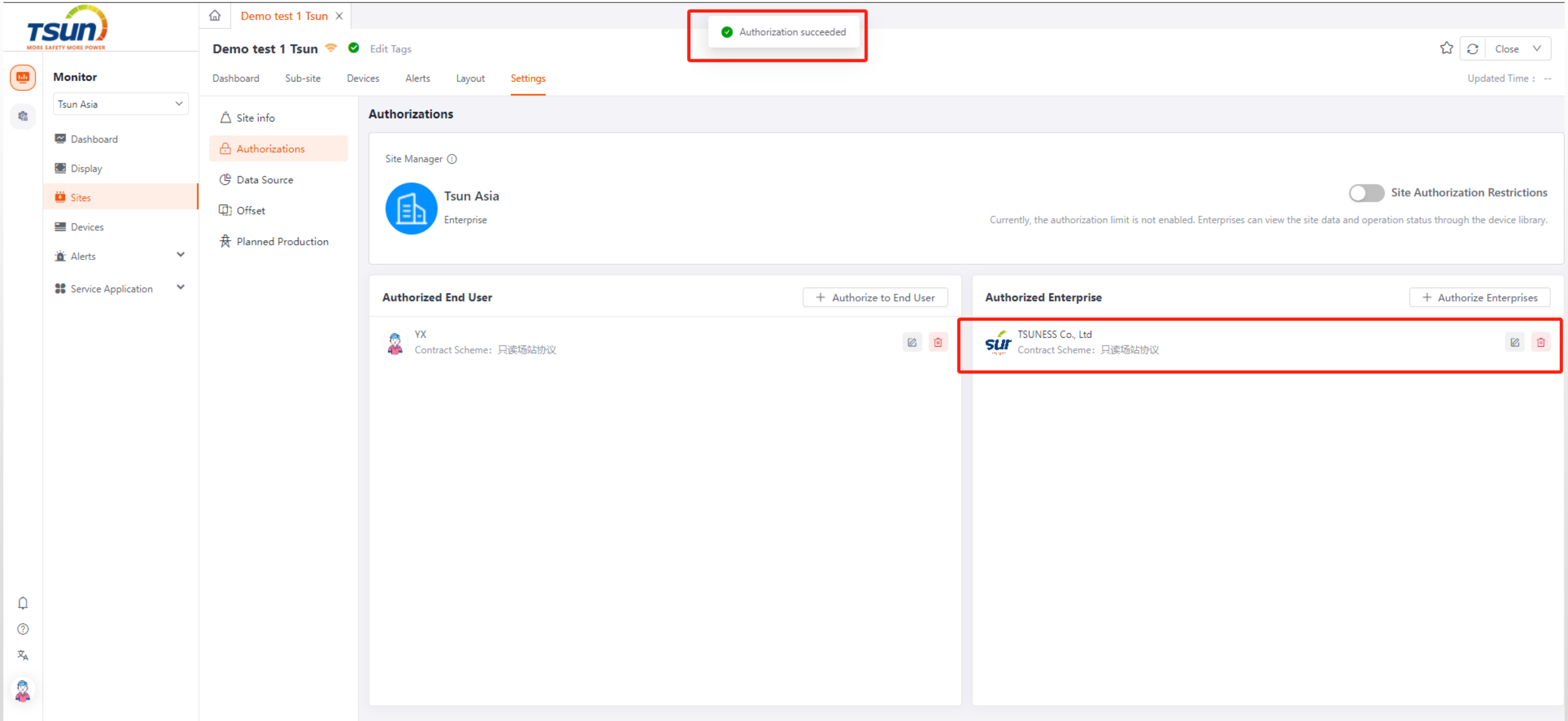
Contract Scheme: Read site only agreement

This scheme is suitable for roof owners or device after-sales service units, and can only check and operate authorized sites

...ization limit is not enabled. Enterprises can view the site data and operation status through the device library.

Choose “Read site only agreement” ---> Click save

Authorize Distributor



Authorization succeeded

Demo test 1 Tsun

Authorizations

Site Manager

Tsun Asia
Enterprise

Site Authorization Restrictions

Currently, the authorization limit is not enabled. Enterprises can view the site data and operation status through the device library.

Authorized End User

YX
Contract Scheme：只读场站协议

Authorized Enterprise

TSUNESS Co., Ltd
Contract Scheme：只读场站协议

TSUN MORE SAFETY MORE POWER
Demo test 1 Tsun
Edit Tags
Close
Updated Time： --
Monitor
Tsun Asia
Dashboard
Display
Sites
Devices
Alerts
Service Application
Dashboard
Sub-site
Devices
Alerts
Layout
Settings
Site info
Authorizations
Data Source
Offset
Planned Production
+ Authorize to End User
+ Authorize Enterprises

shows succeeded and there is enterprise under the list --- Done

ETC

Rest settings please follow “Talent Smart Usermanual”

Thank You

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