alfacomp

Haiwell 海为®

IIoT

Industrial
Internet of Things

(HAIWELL)
WEB SCADA

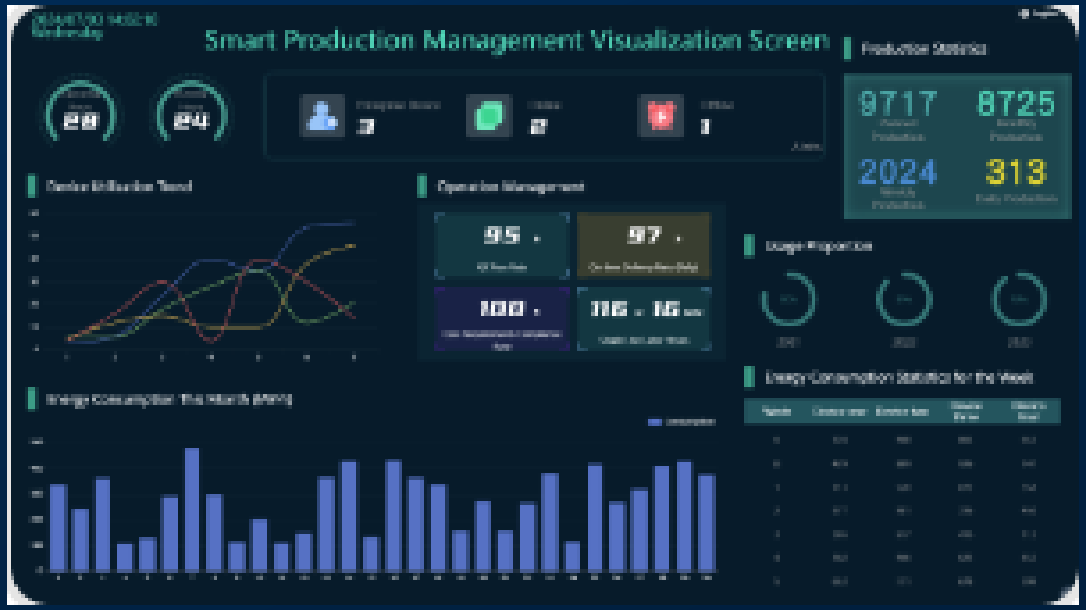
introdução

Haiwell Web SCADA é uma ferramenta on-line para construir telas em monitores de grandes dimensões com uma ampla variedade de templates e ícones que facilitam a configuração das telas.

alfacomp

Haiwell 海为®

Processamento dos dados



Permite apresentar os dados na forma de displays numéricos, gráficos históricos, tendências e funções de controle em tempo real.

Acesso a dispositivos

Acesso rápido e fácil aos dados dos dispositivos de campo para apresentar em grandes telas de centros de controle. Fácil interação e apresentação de, dados em tempo real, dados históricos, imagens de câmeras, microfones, som, alarmes, etc.

alfacomp

Haiwell 海为®

Editor Web SCADA

01 Suporta tanto computadores quanto dispositivos móveis

02 What you see is what you get, editor de telas interativo

03 Gráficos elegantes para controle industrial moderno

04 Editor intuitivo, não requer conhecimento prévio

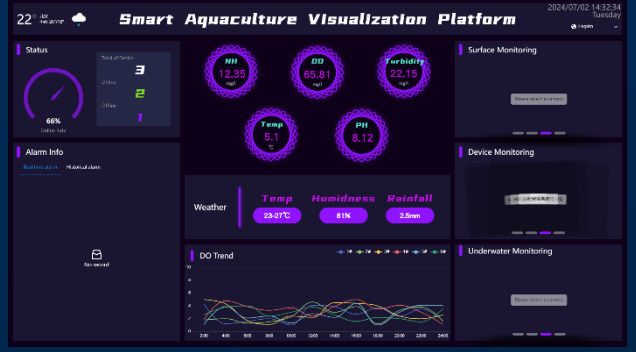
05 Objetos visuais que suportam diversas fontes de dados

06 Temas visuais inovadores e objetos gráficos de fácil visualização

alfacomp

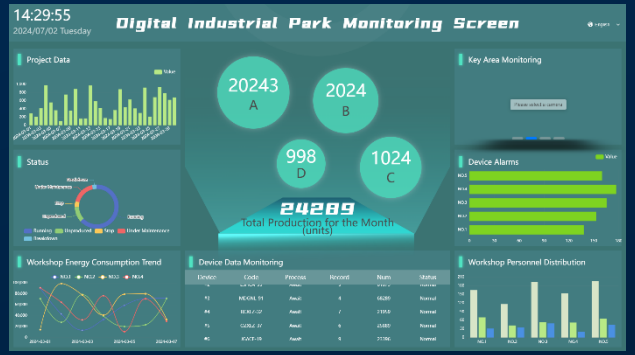
Haiwell 海为®


Oil Smart Visualization Screen
13:15:46
2024/07/02 Tuesday
Quarterly refueling amount (10,000 Yuan)
Quarterly analysis
Quantity (tons)
6539
Orders (times)
395539
TOPS Monthly fuel station
Alarm monitoring
Oil stock ratio
Oil consumption ratio
Monthly fuel volume (tons)
Daily oil production

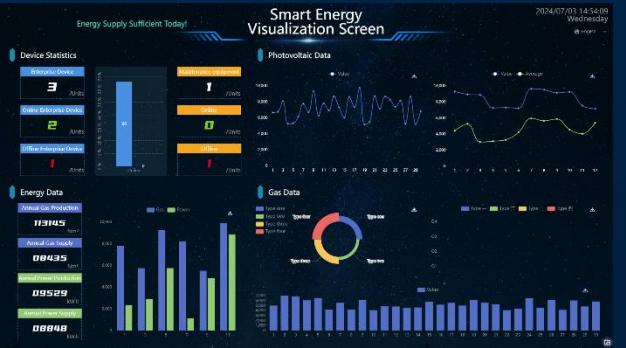

Smart Aquaculture Visualization Platform
2024/07/02 14:32:34
Tuesday
Status
66%
Alarm Info
Surface Monitoring
Device Monitoring
Underwater Monitoring
NH
12.35
DO
65.81
Turbidity
22.15
Temp
5.1
PH
8.12
Weather
Temp
23-27℃
Humidness
81%
Rainfall
2.8mm
DO Trend


Workshop Management Monitoring and Analysis Board
10:08:45
Quality Management
Daily Production
1830
Planned Production
2000
Planning Rate
91.5
Personnel Management
67
65
39
97%
Inventory Management
Production Line Analysis
90
Cumulative Annual Production
Material Management
Production Rhythm
Device Statistics
Production Statistics


Smart Medical Monitoring System
27
2024/07/03 14:39:25
Wednesday
Patient Overview
235
12
5
8
11
23
17
6
16
Duty Info
Infusion Monitoring
Nursing Index
Admitted Today
Top 10 Diagnoses
Patient Admission and Discharge Trend
Ward Info Reminders


14:29:55
2024/07/02 Tuesday
Digital Industrial Park Monitoring Screen
Project Data
Key Area Monitoring
20243
A
2024
B
998
D
1024
C
24289
Total Production for the Month (units)
Status
Device Alarms
Workshop Energy Consumption Trend
Device Data Monitoring
Workshop Personnel Distribution


Sales Quantity
9047
Product Sales Data
09:46
Sales Area Distribution
Overall Sales Income
13.46
Selling Profit
5.38
15
Ranking
Sales Increase Rate
Series Sales Volume
1.38
2617
Annual Sales Trend
Order Management


Energy Supply Sufficient Today!
Smart Energy Visualization Screen
2024/07/03 14:54:09
Wednesday
Device Statistics
Photovoltaic Data
Energy Data
Gas Data


2024/08/16 09:55:53 Friday
Textile Dyeing and Shaping Data Monitoring Screen
Energy Consumption Statistics
Water Consumption (t)
Shipment
251
153
88
Total Production
1335
Power Consumption (kW·h)
Product Quality
96%
Water Quality Data
Planned Capacity
2023
48
Instantaneous Data
Actual Capacity
3045
46


Smart Air Compressor Station
2024/08/16 09:50:17 Friday
Status
Running
32
Shutdown
8
Offline
Enterprise Device3
Alarm Info
Real Time Monitoring
37
50
Monitoring
Power Consumption (kW·h)
Gas Consumption (Nm³)
Water Consumption (t)

Veja como configurar!

Sequência de configuração

01 Cloud platform data monitoring

Industrial Internet of Things

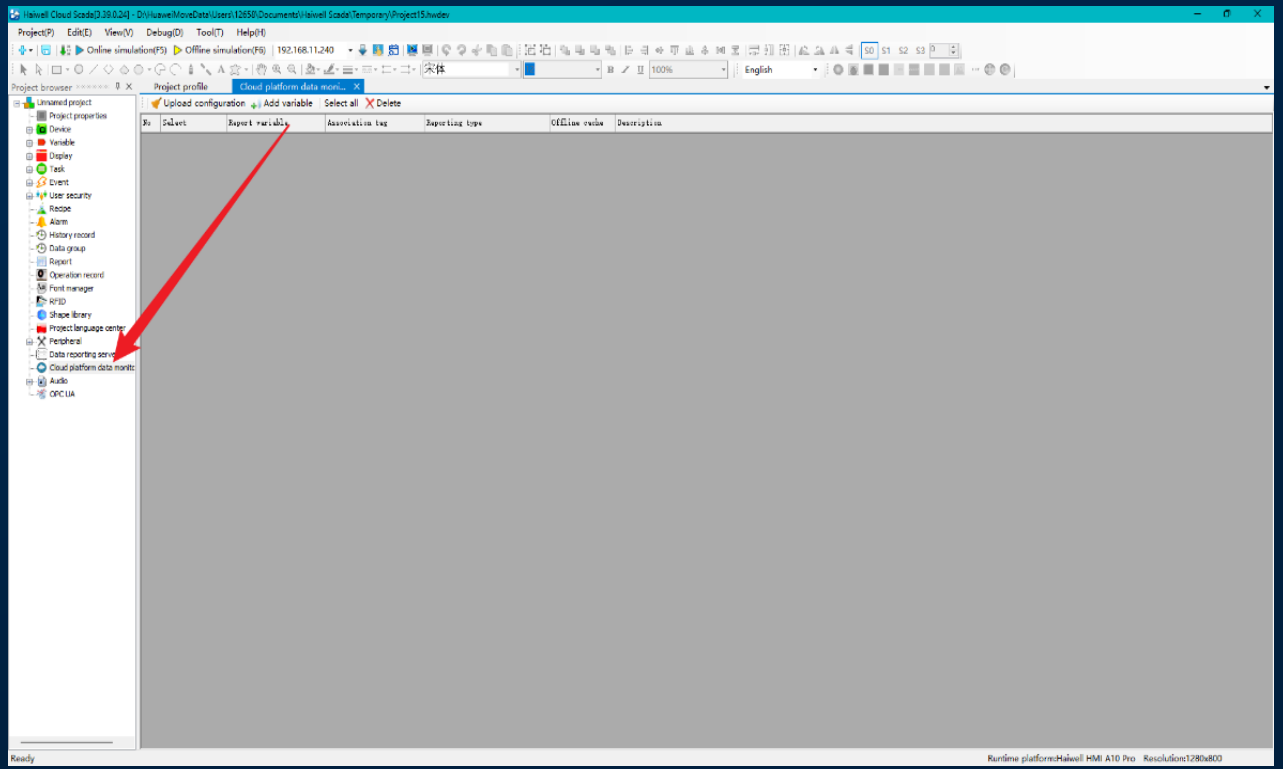
alfacomp

Haiwell 海为®

01 Cloud platform data monitoring

① Abrir o Haiwell Cloud SCADA

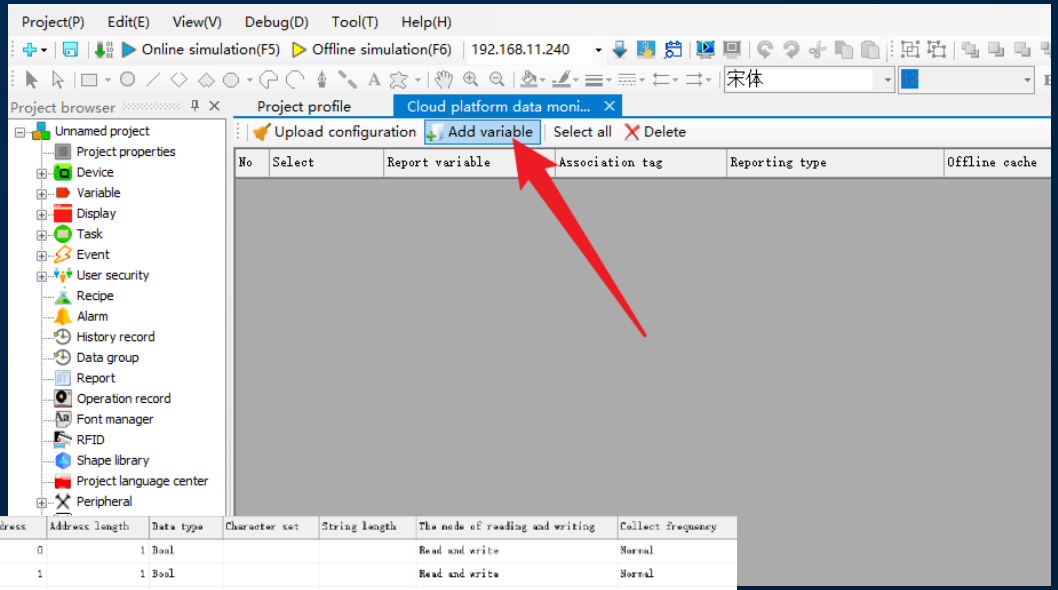
② Selecione【 Cloud Platform Data Monitoring 】



02 Adicione variáveis

① Clique em Add Variable

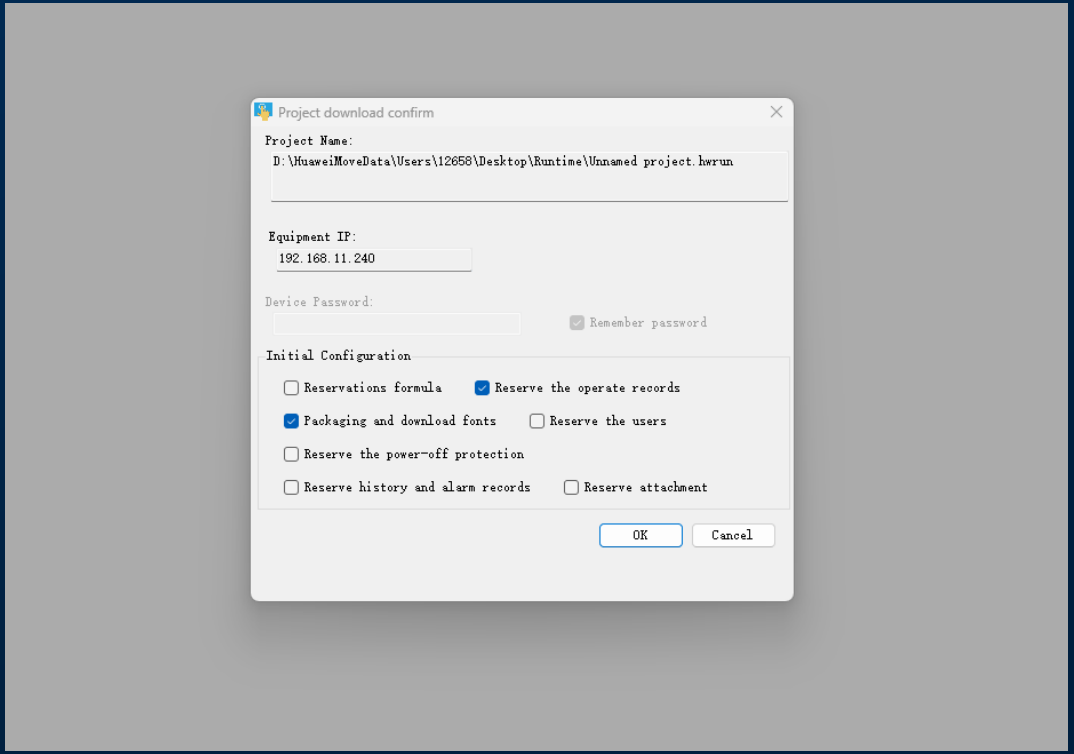
② Adicione as variáveis à lista



	Variable name	Register type	Address format	Register address	Address length	Data type	Character set	String length	The mode of reading and writing	Collect frequency
1	Y0	Y(External output relay)	Decimal	0	1	Bool			Read and write	Normal
2	Y1	Y(External output relay)	Decimal	1	1	Bool			Read and write	Normal
3	Y2	Y(External output relay)	Decimal	2	1	Bool			Read and write	Normal
4	Y3	Y(External output relay)	Decimal	3	1	Bool			Read and write	Normal
5	Y4	Y(External output relay)	Decimal	4	1	Bool			Read and write	Normal
6	Y5	Y(External output relay)	Decimal	5	1	Bool			Read and write	Normal
7	Y6	Y(External output relay)	Decimal	6	1	Bool			Read and write	Normal
8	Y7	Y(External output relay)	Decimal	7	1	Bool			Read and write	Normal
9	Light_Control	M(Auxiliary relay)	Decimal	0	1	Bool			Read and write	Normal
10	Count	V(External data register)	Decimal	0	1	Integer			Read and write	Normal
11	Alarm	M(Auxiliary relay)	Decimal	1	1	Bool			Read and write	Normal
12	RFID	V(External data register)	Decimal	1	5	String	System default	10	Read and write	Normal

03 Download project

Download - envie o projeto para a IHM



02 Novo projeto

Industrial Internet of Things

alfacomp

Haiwell 海为®

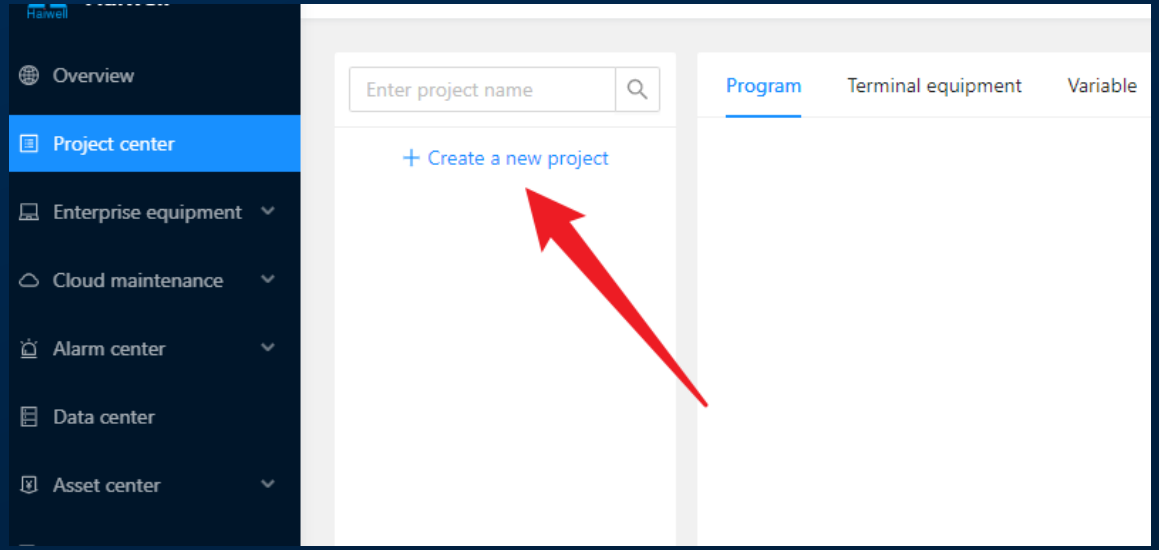
01 Novo projeto

① Abra o browser

② Faça login na plataforma Enterprise

③ Selecione Project Center no menu

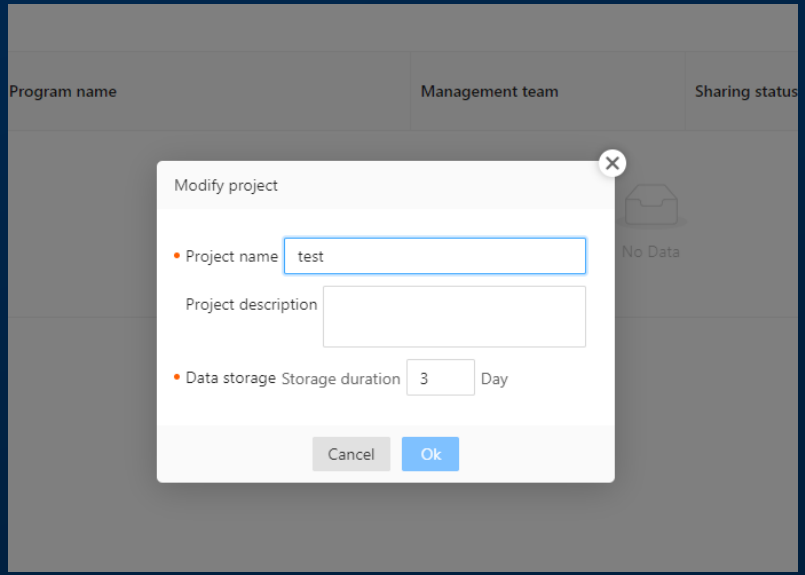
④ Clique em [New Project]



02 Configuração

① Escolha um nome para o projeto

② Clique [OK]



03 Vincule dispositivos e sincronize variáveis

Industrial Internet of Things

alfacomp

Haiwell 海为®

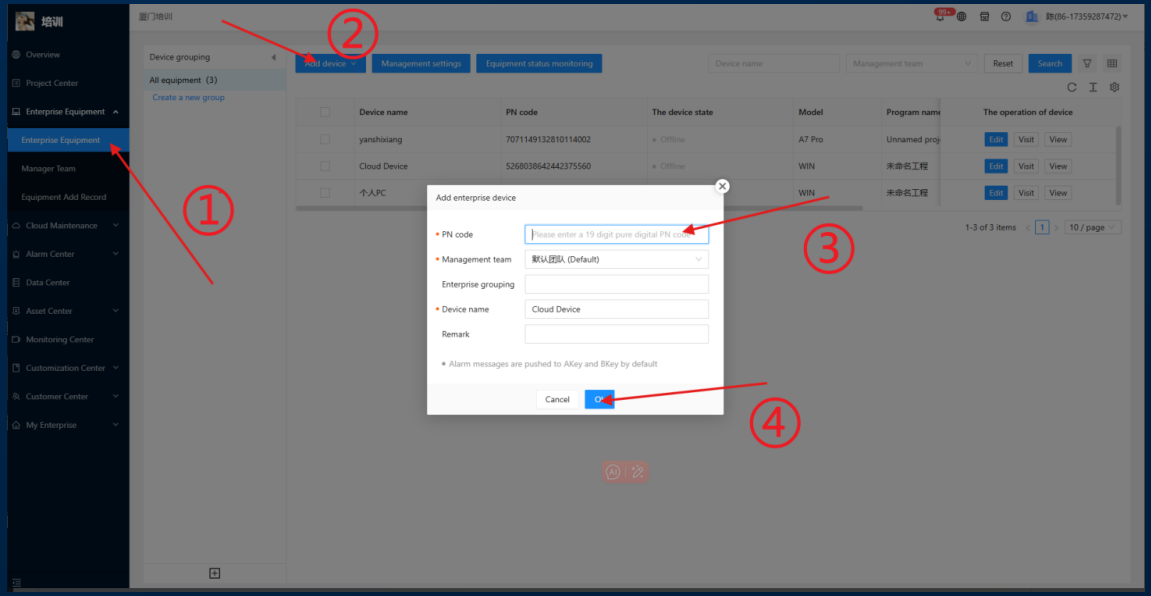
01 Vincule o dispositivo

① Clique [Enterprise Equipment]

② Clique [Add device]

③ Entre o PN code

④ Clique [OK]



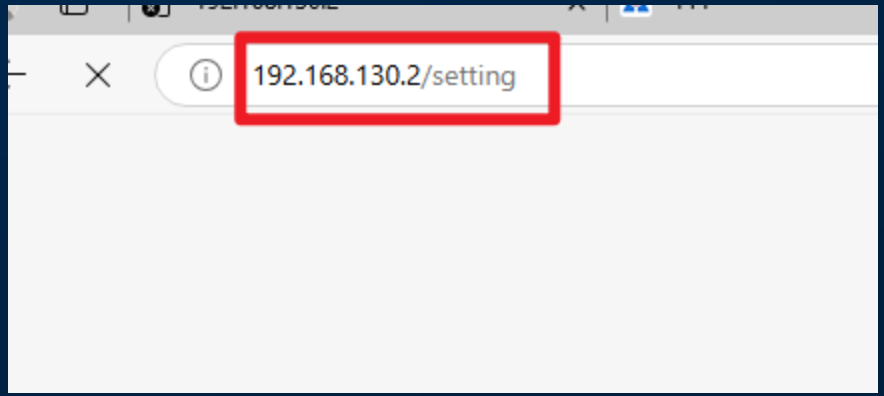
alfacomp

Haiwell 海为®

01 Vincule o dispositivo

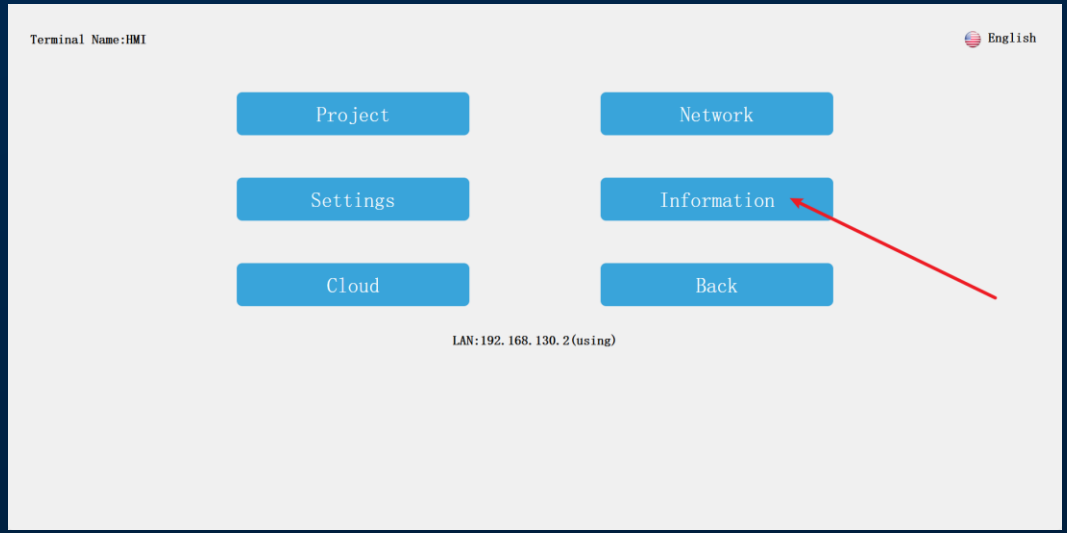
Entre com o endereço IP do dispositivo + /setting no browser

Exemplo: 192.168.130.2/setting



01 Vincule o dispositivo

Clique [Information]
para ajustar os detalhes
do dispositivo

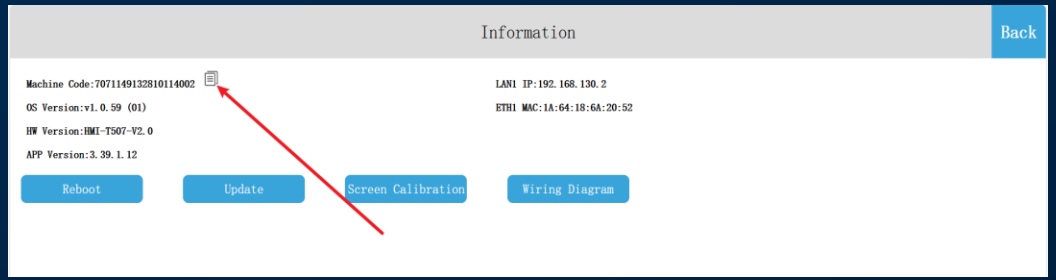


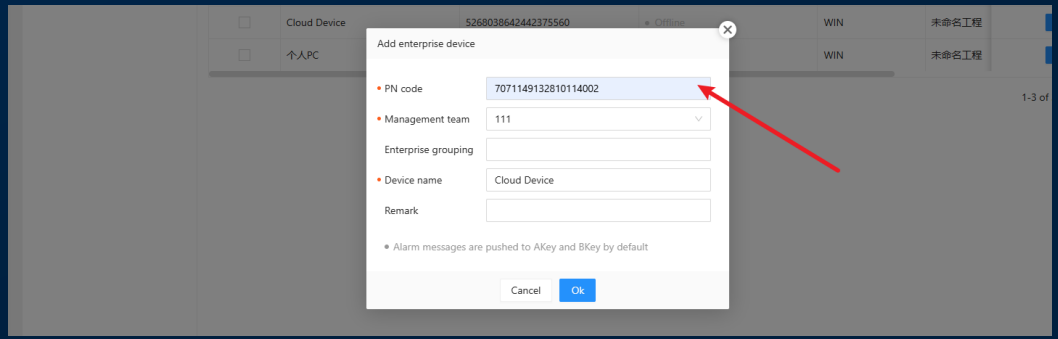
01 Vincule o disposito

Clique no icone 【 】

para copiar o código

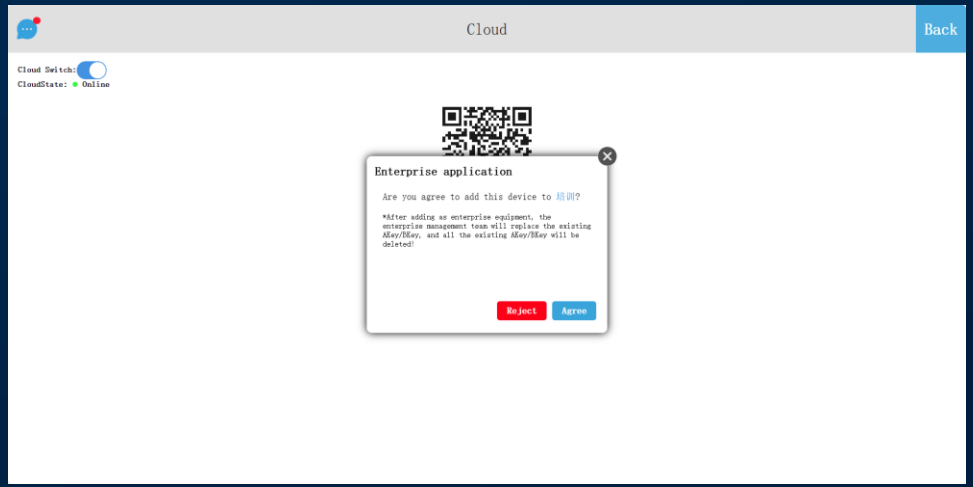
PN do dispositivo





01 Vincule o dispositivo

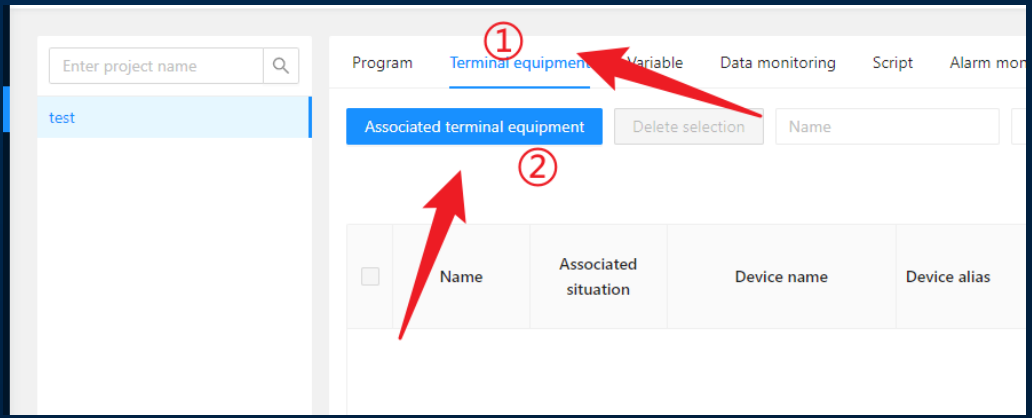
Clique agree no dispositivo



02 Associe o dispositivo

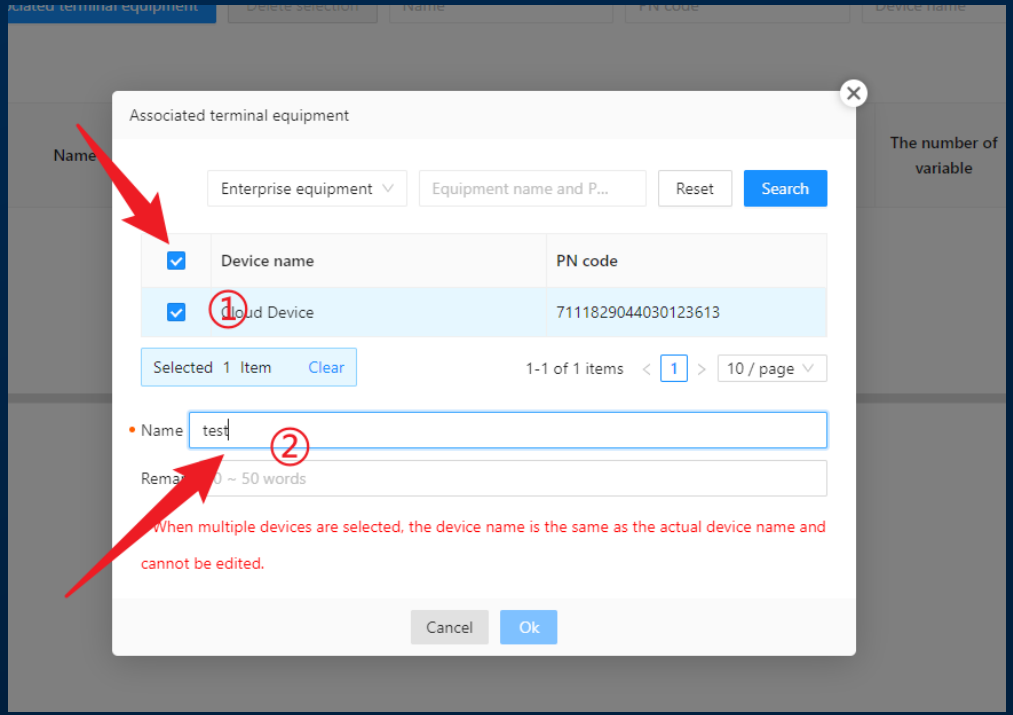
① Clique na aba [Terminal Device]

② Clique [Associate Terminal Device]



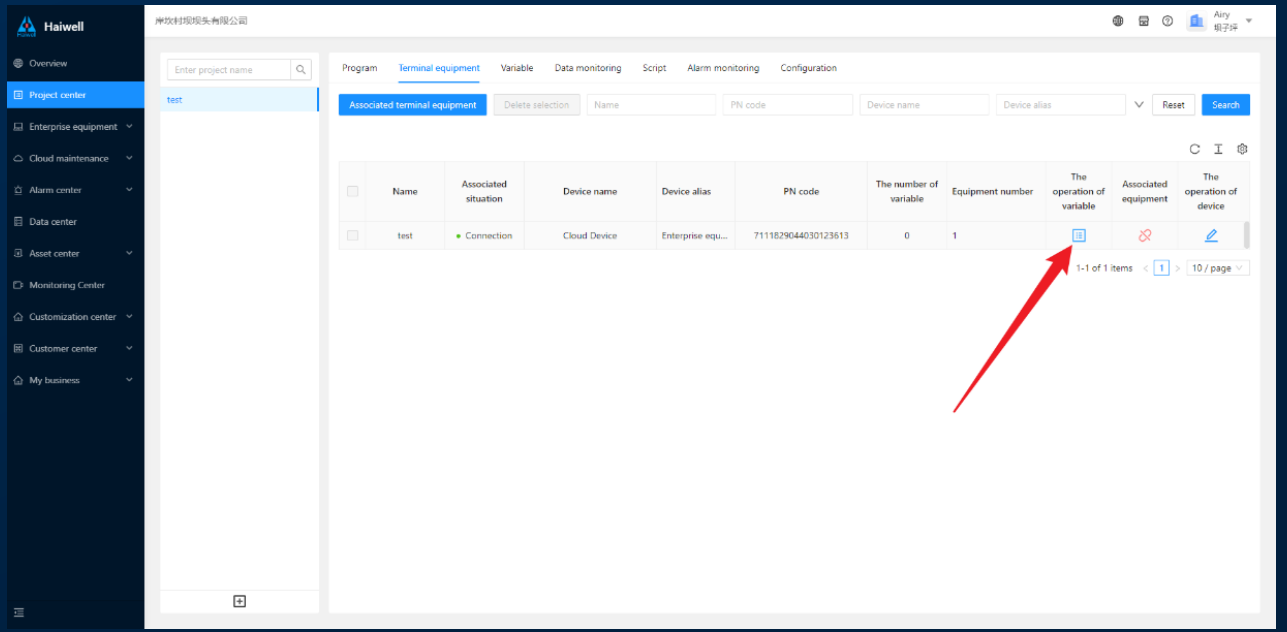
03 Selecione o dispositivo

① Selecione o dispositivo enterprise a ser adicionado
② Entre o nome do dispositivo
③ Clique [OK]



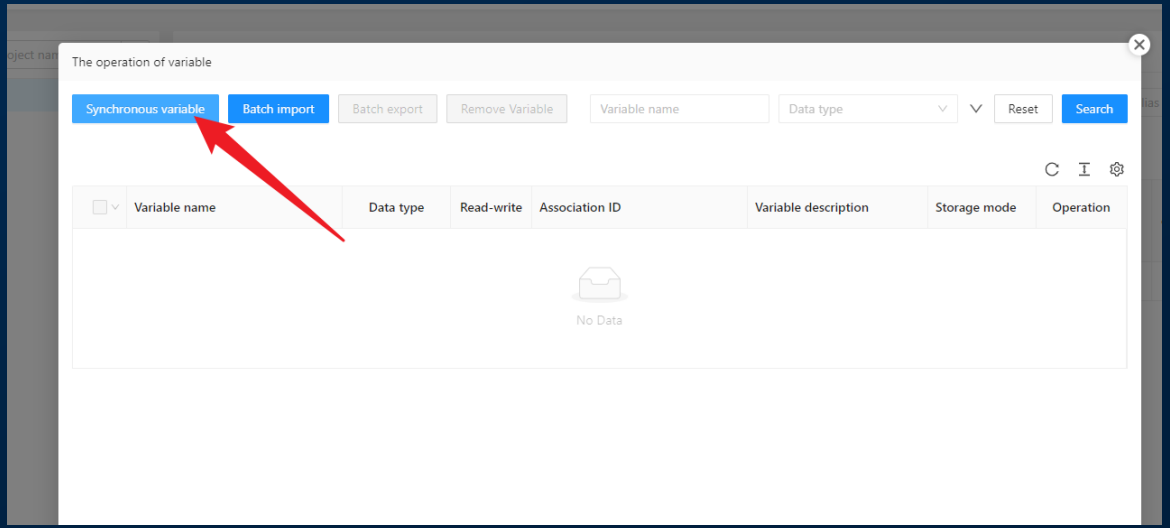
04 Sincronize variável

Na lista de variáveis, clique no ícone [Variable Manipulation]



04 Sincronize variável

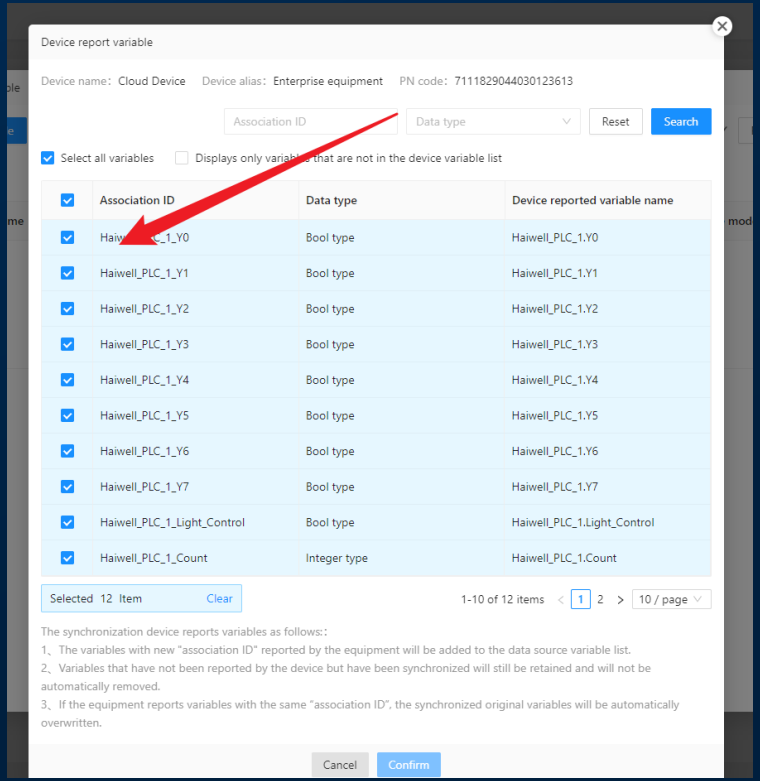
Clique Sync Variable



05 Selecione variável

① Selecione a variável desejada para sincronizar

② Clique [OK]

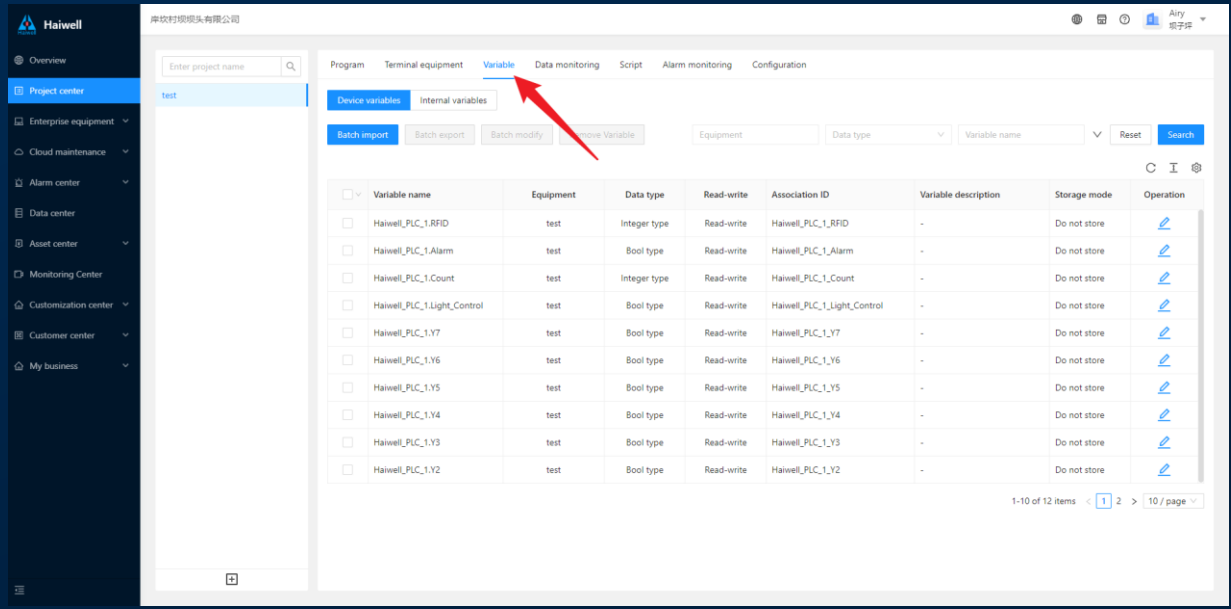


alfacomp

Haiwell 海为®

06 Visualize variável

Clique [Variable] para visualizar as variáveis sincronizadas



04 Engenharia de sistemas

Industrial Internet of Things

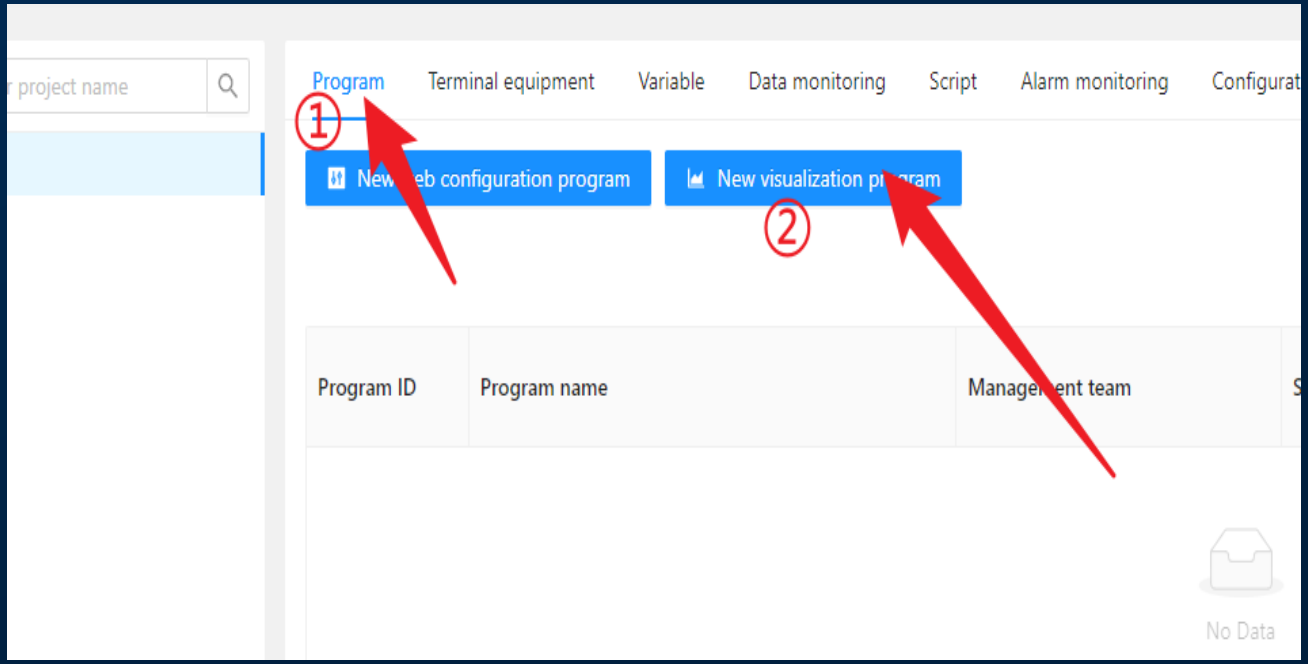
alfacomp

Haiwell 海为®

01 Construa um novo programa

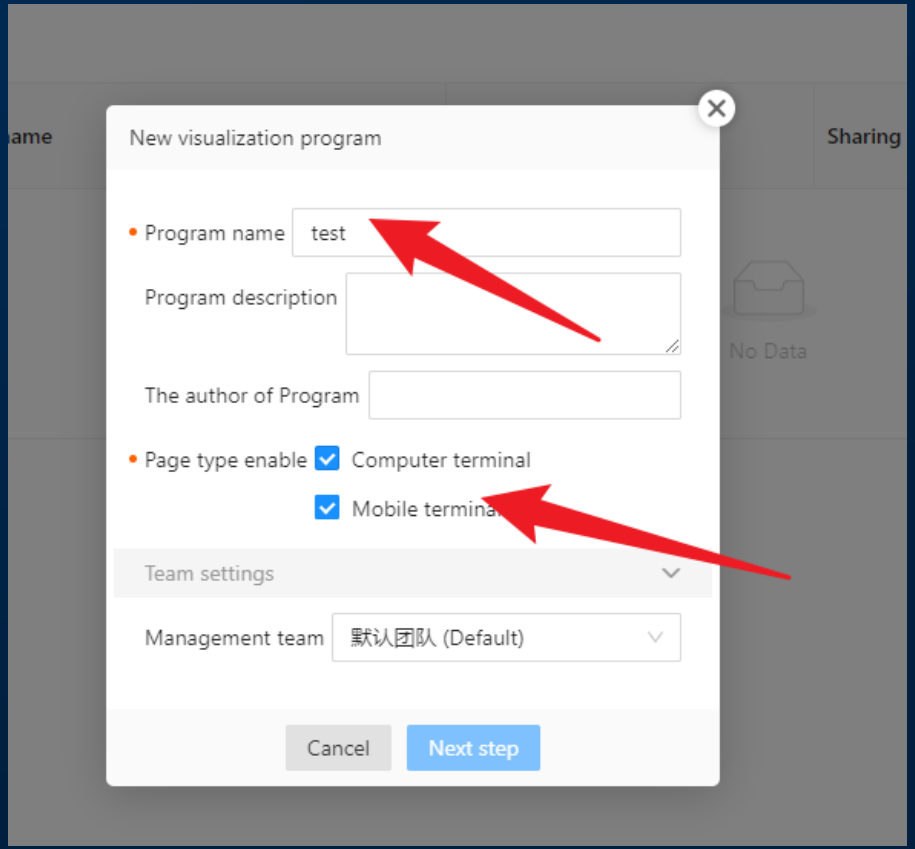
① Volte para a aba Program

② Clique em [New Visual Program]



02 Configuração

① Entre o nome do projeto
② Selecione page type (PC, mobile)
③ Clique [Next]



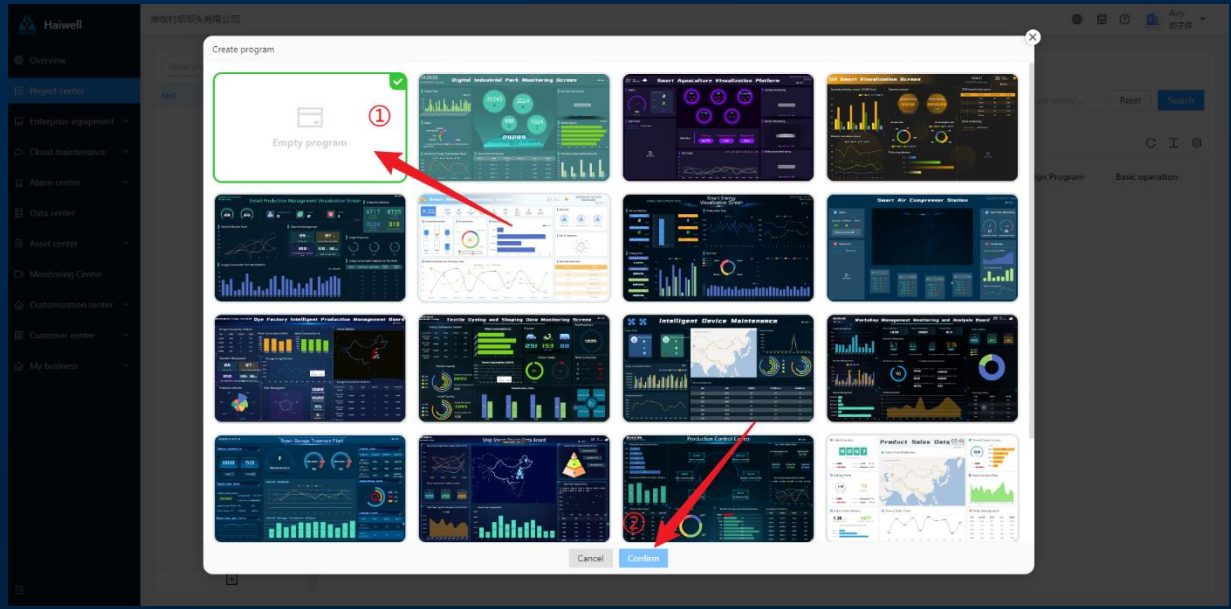
alfacomp

Haiwell 海为®

03 Definindo recursos

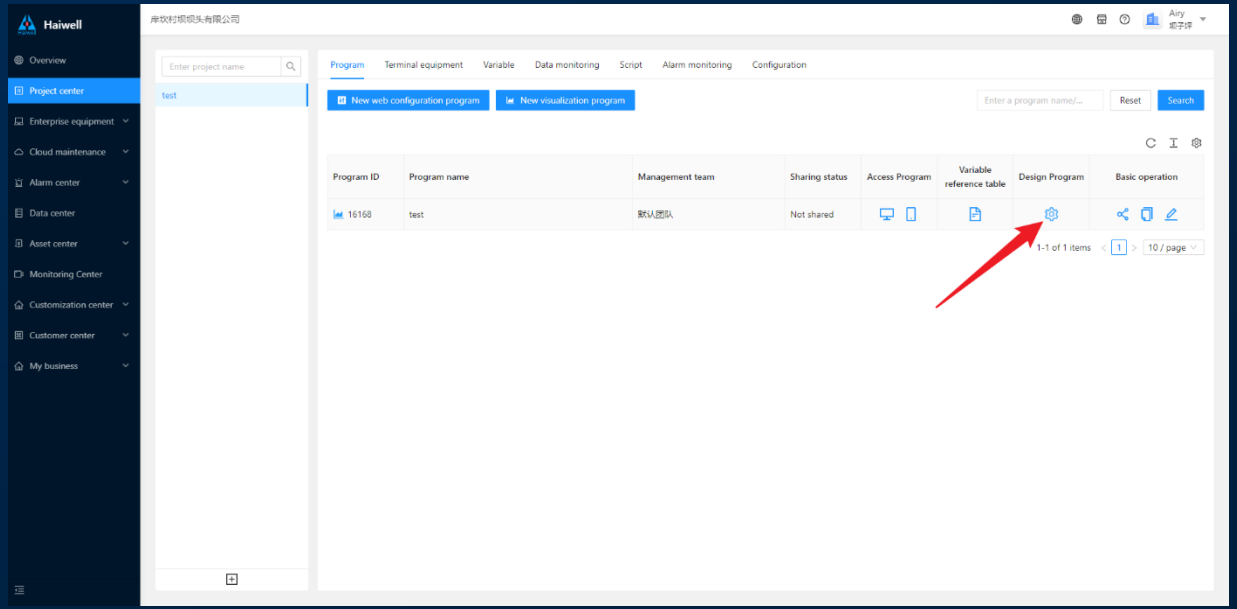
① Selecione empty program

② Clique [OK]



04 Design

Clique [Design program] para abrir o editor Web SCADA

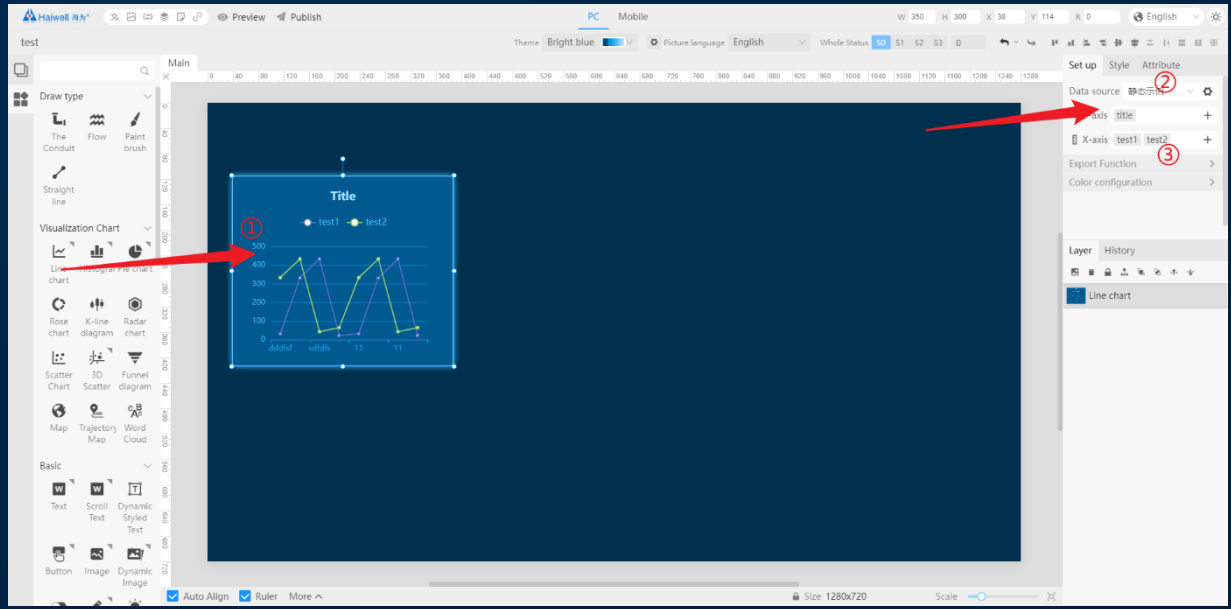


05 Gráficos

① Selecione the o componente Line Chart na categoria visual

② Selecione data source

③ Selecione os dados para os eixos X e Y

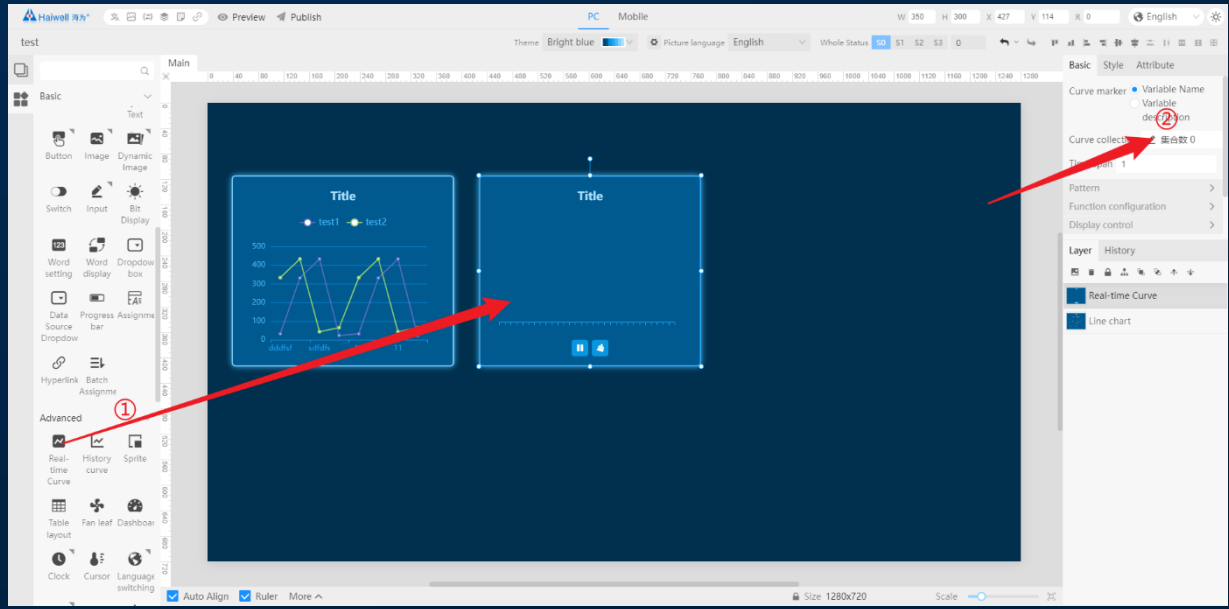


06 Curva

① In Advanced Components, selecione o componente Real-Time Curve

② Ajuste curve set

③ Selecione variáveis



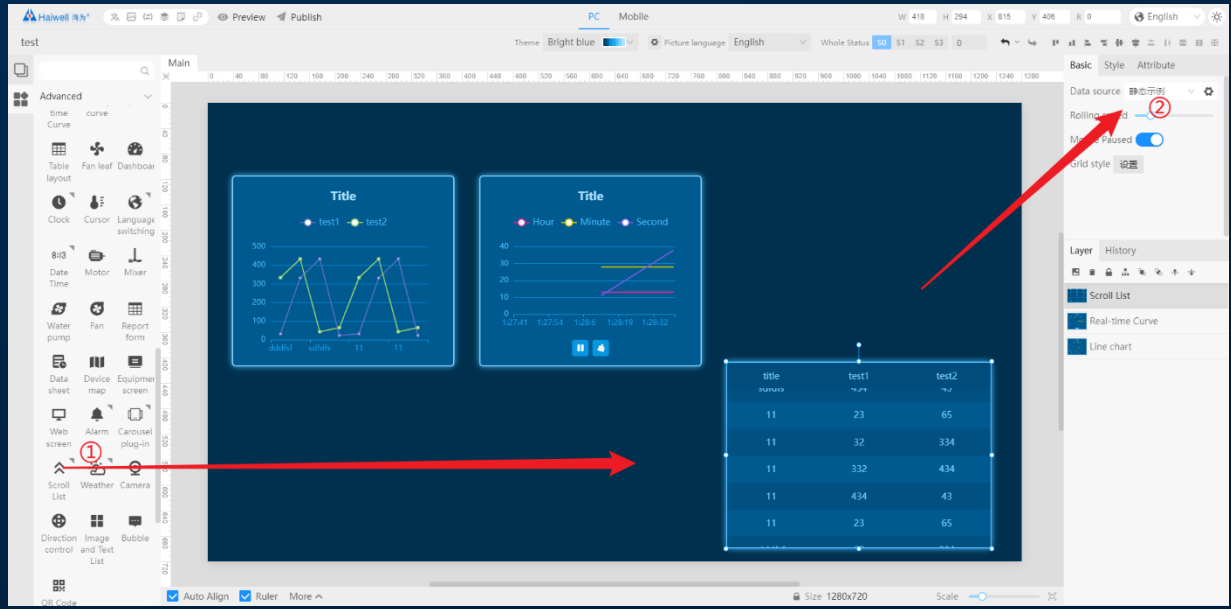
alfacomp

Haiwell 海为®

07 Tabulação

① Em Advanced Components, selecione o componente Scroll List

② Selecione a fonte dos dados



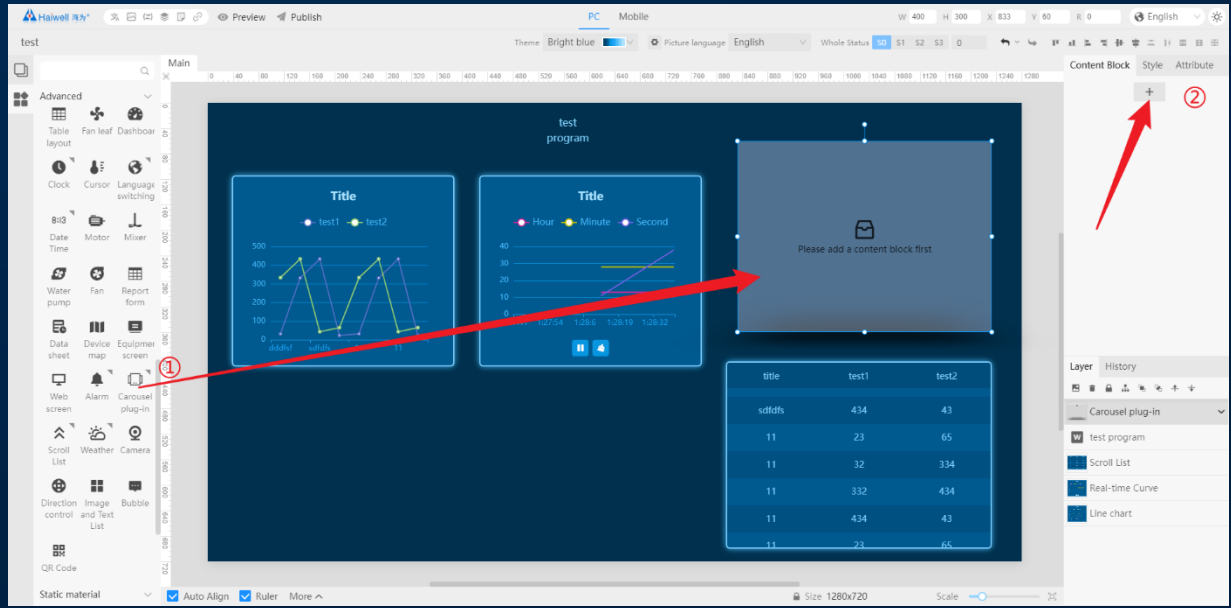
alfacomp

Haiwell 海为®

08 Carrousel

① Em Advanced Components, selecione o componente Carousel

② Adicione o bloco de conteúdo



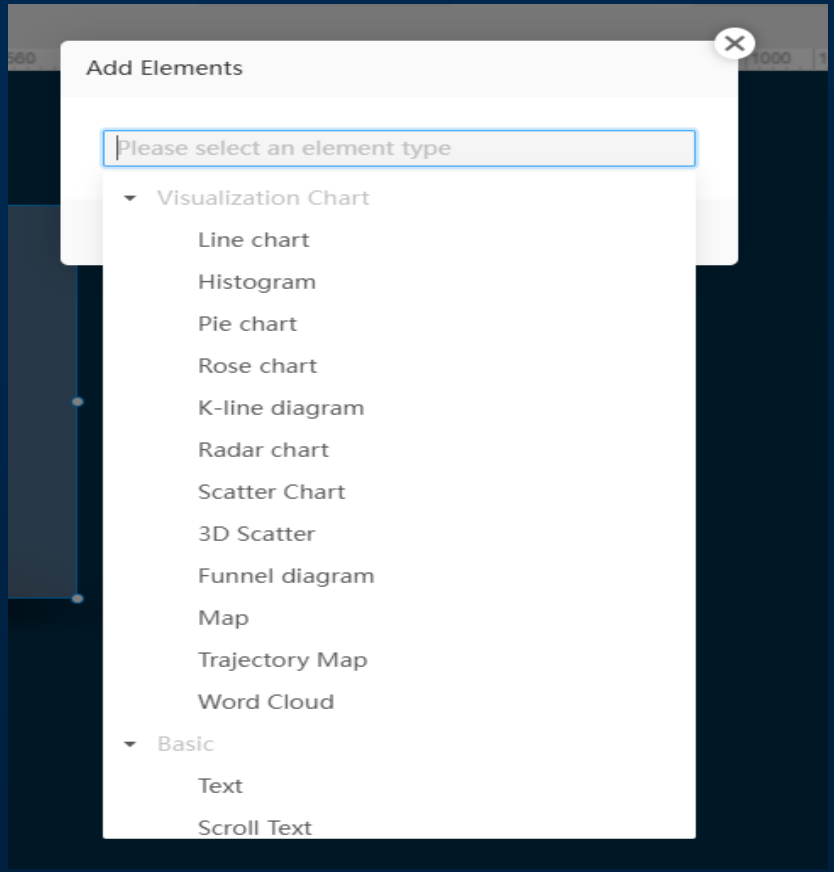
alfacomp

Haiwell 海为®

09 Carrousel

① Selecione curvas, gráficos e outros blocos de conteúdos

② Clique [OK]



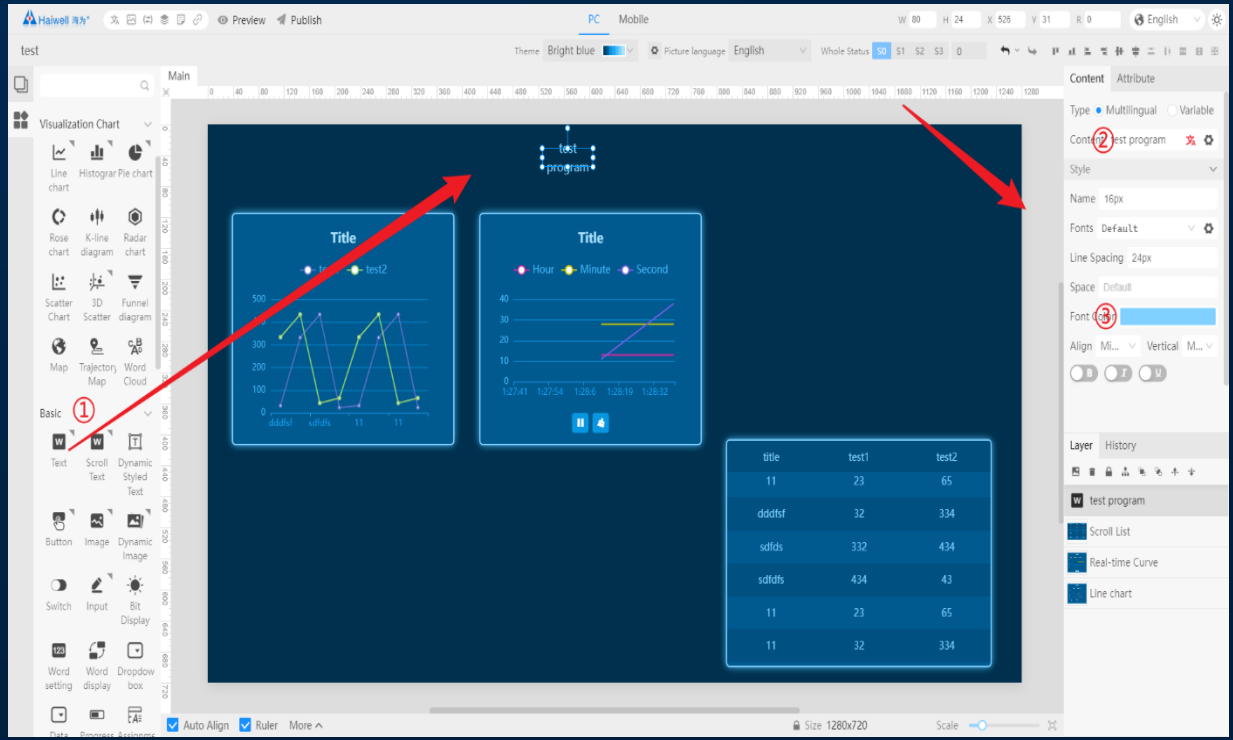
10 Texto

① Em Basic component, selecione Text component

② Selecione text content

③ Selecione text size

④ Device text color



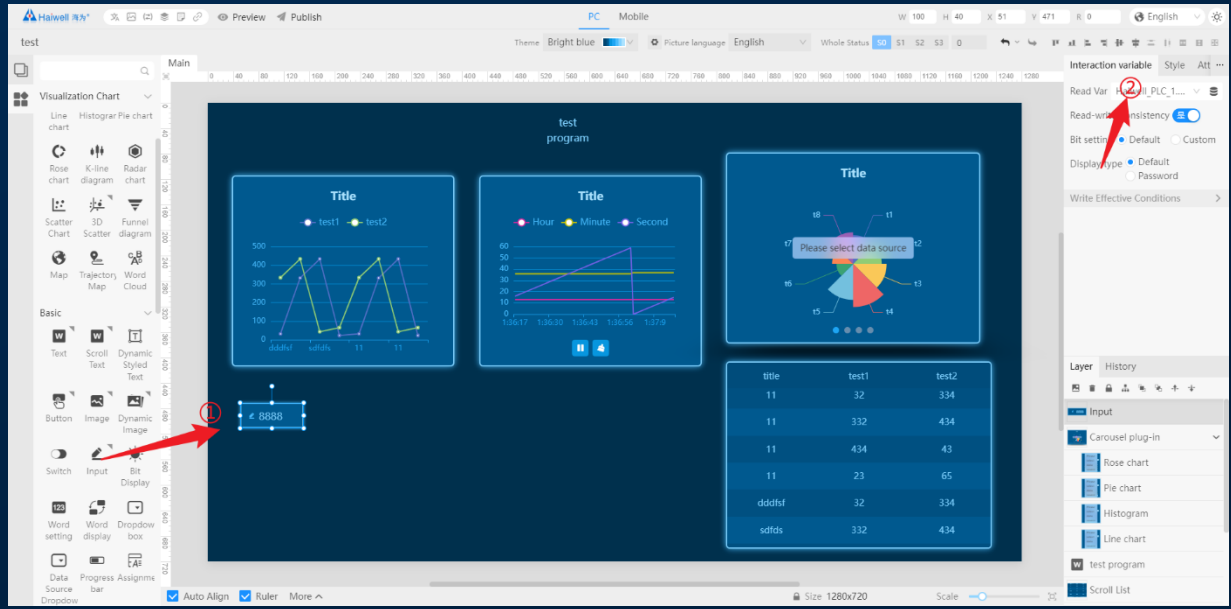
alfacomp

Haiwell 海为®

11 Input

① Em Basic component, selecione o componente de entrada

② Selecione a variável

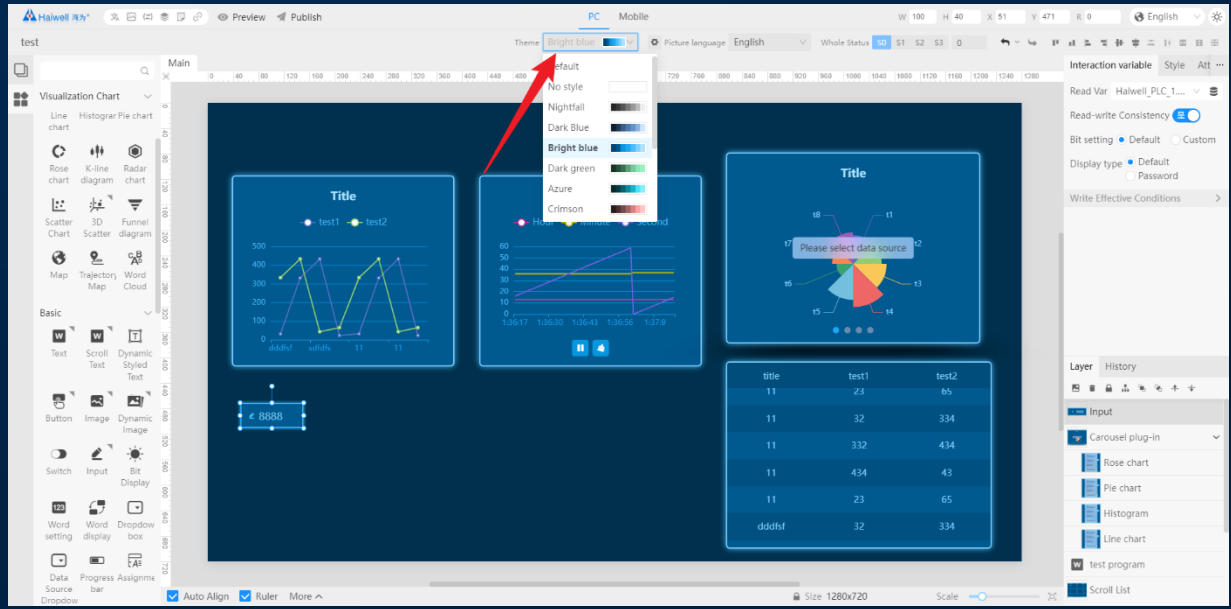


alfacomp

Haiwell 海为®

12 Cor do tema

Clique em [Theme] e selecione a cor de fundo do projeto



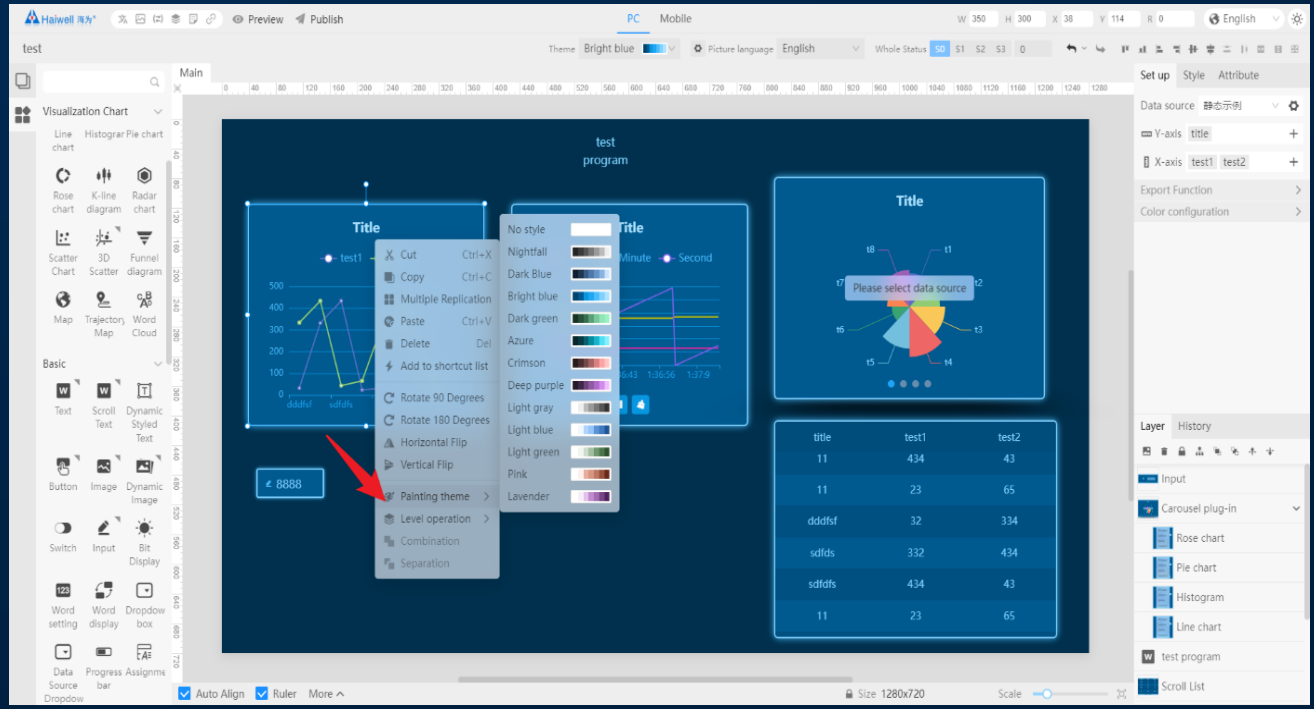
13 Seleção de cor de objeto

① Selecione o componente

② Clique com o botão direito do mouse

③ Clique em "Paint Theme"

④ Selecione a nova cor do objeto

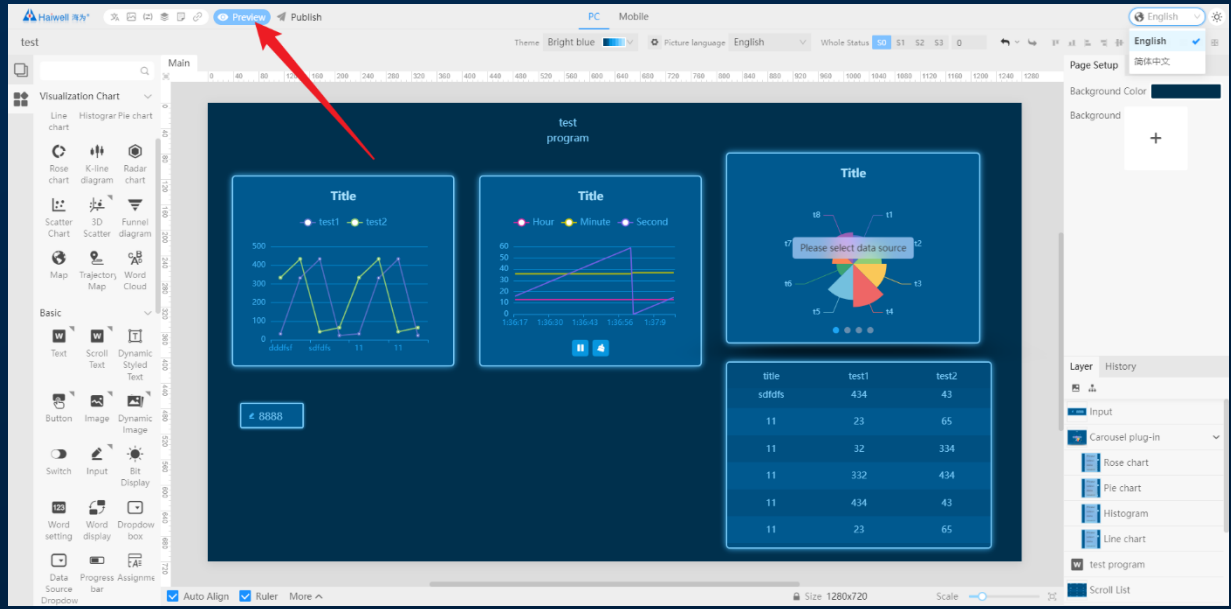


alfacomp

Haiwell 海为®

14 Visualização prévia

Clique [Preview] para visualizar previamente o projeto em tempo real

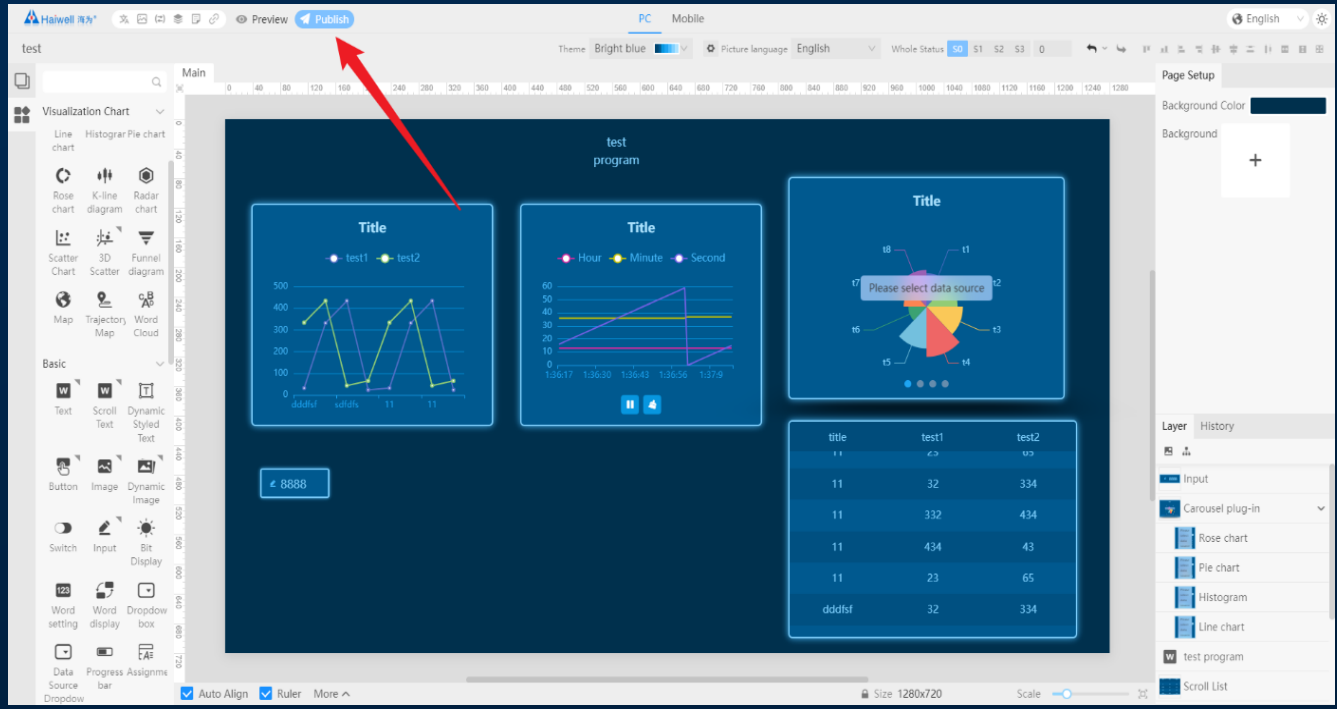


alfacomp

Haiwell 海为®

15 Publicar

① Clique [Publish] para salvar e publicar o projeto

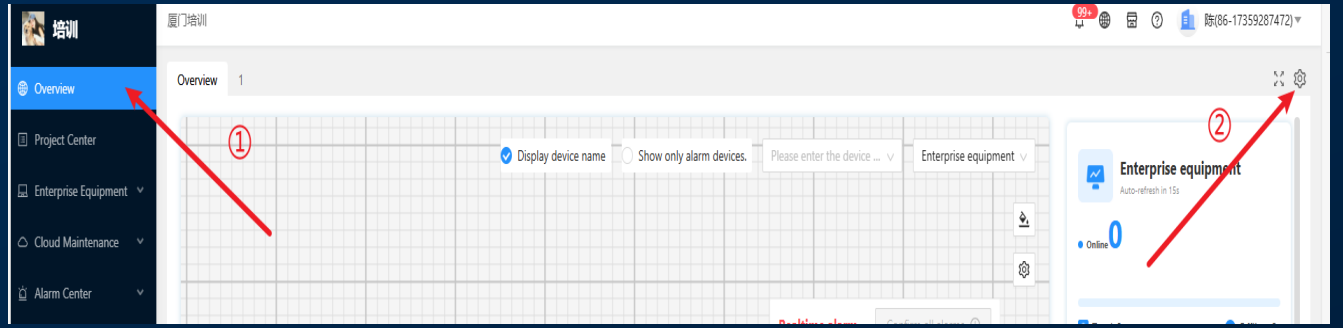


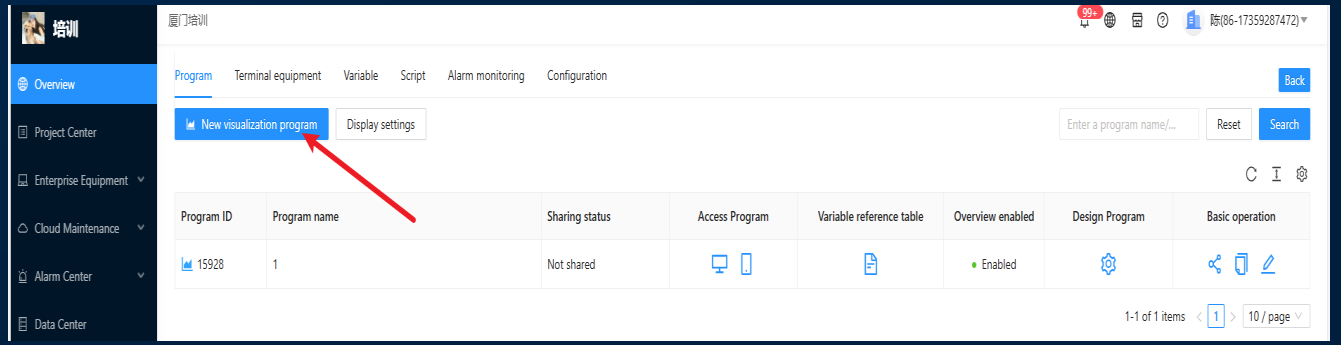
alfacomp

Haiwell 海为®

Observação

Se você deseja apresentar o projeto na primeira tela, construa o programa no Overview





05 Acesso

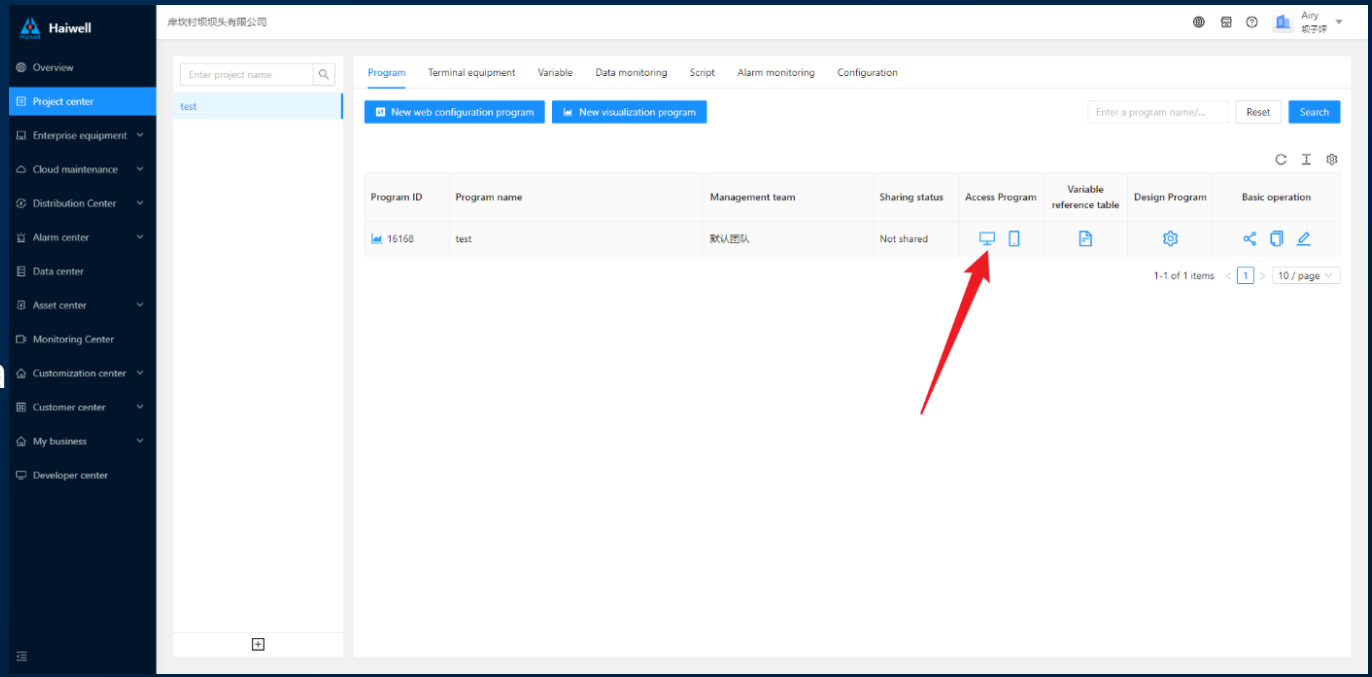
Industrial Internet of Things

alfacomp

Haiwell 海为®

01 Acesso a Plataforma Enterprise

Para acessar o projeto, clique no ícone correspondente na lista de projetos



02 Acesso pela TVBOX

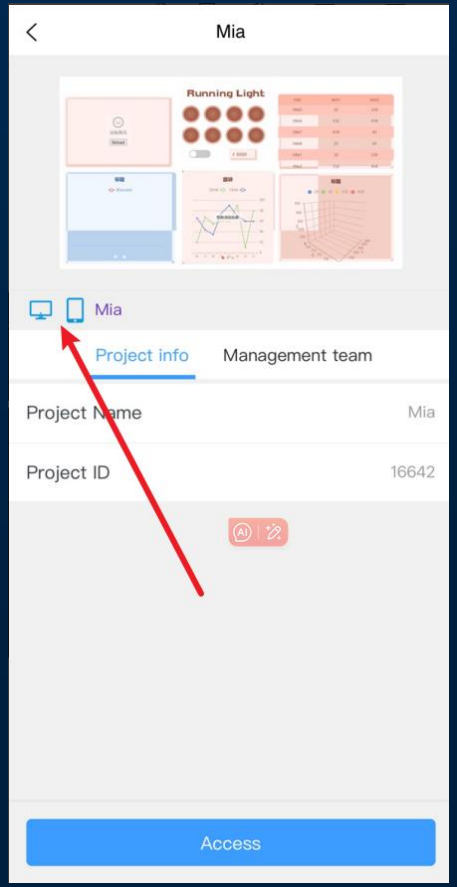
Acesso via TVBOX

alfacomp

Haiwell 海为®

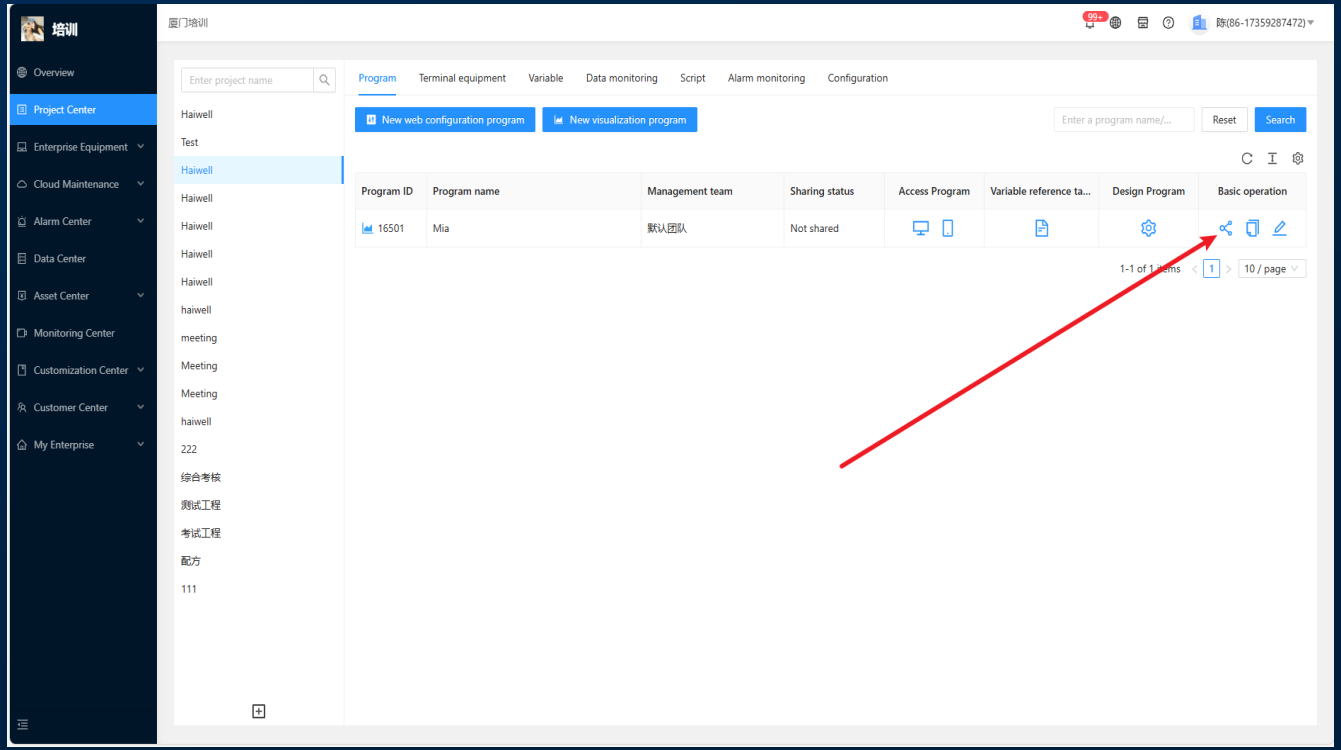
03 Acesso via APP

Acesso via Haiwell Cloud APP



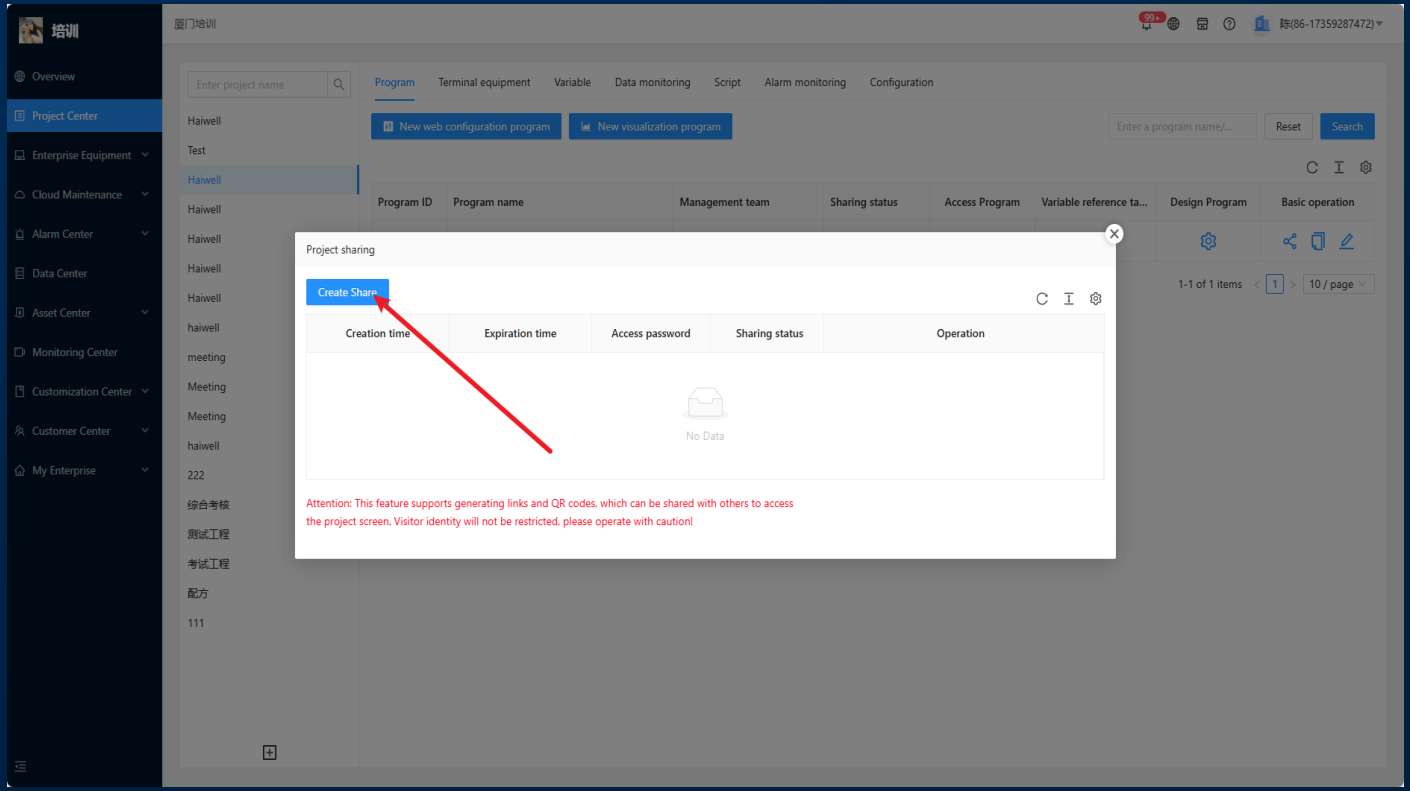
04 Link de acesso para compartilhamento

Clique na tabela para criar o compartilhamento



04 Link de acesso para compartilhamento

Clique para criar o compartilhamento

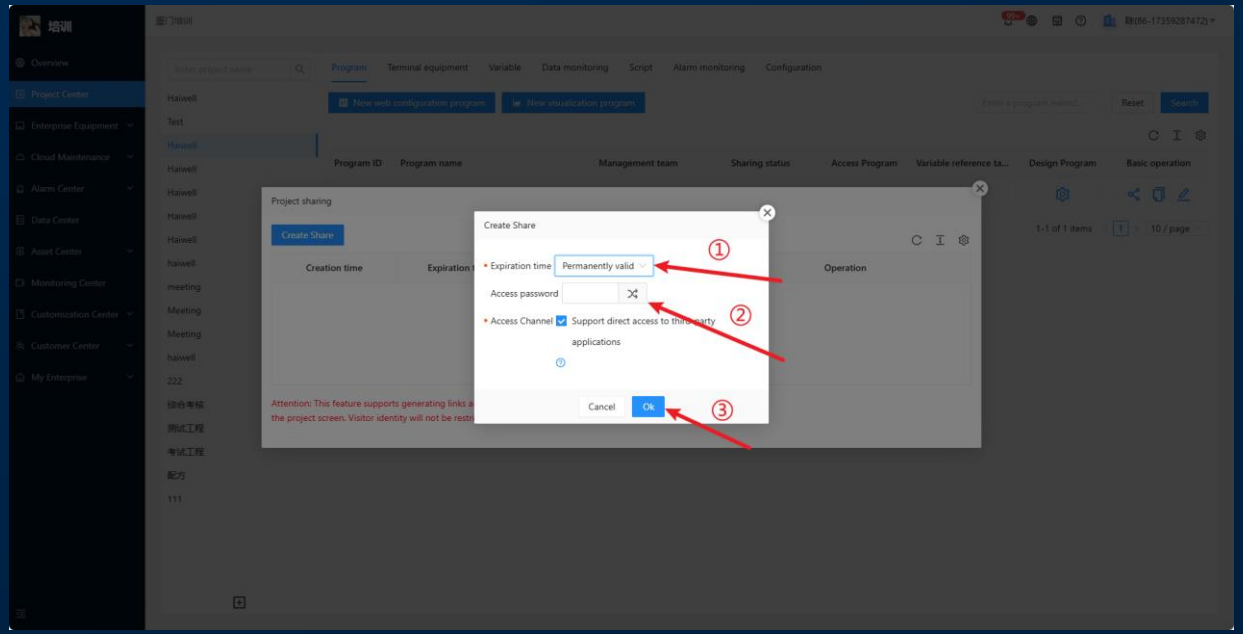


04 Link de acesso para compartilhamento

① Selecione o prazo limite de acesso

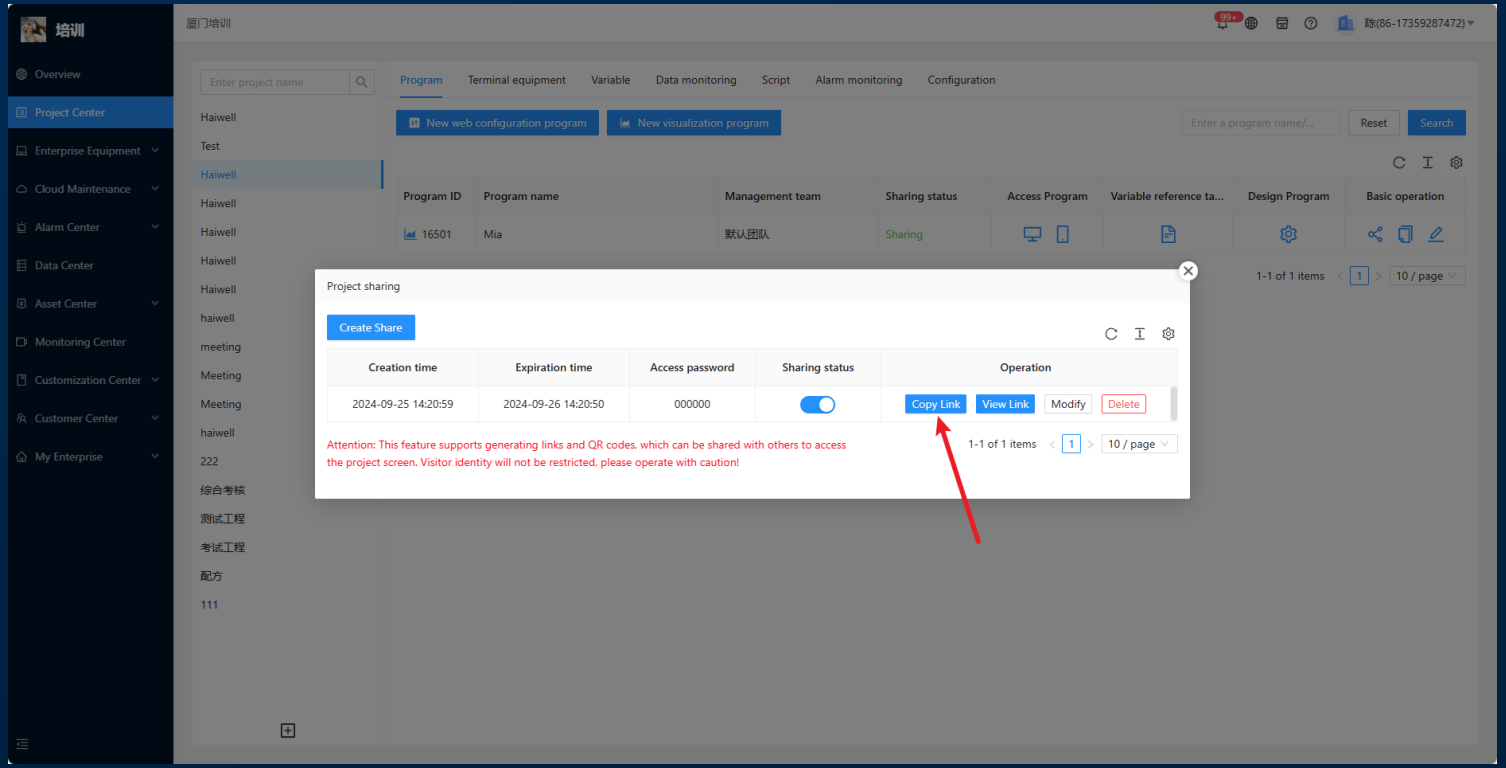
② Selecione a senha

③ Clique OK



04 Link de acesso para compartilhamento

Copie o link para compartilhar



Resumo

Valor

- TVBOX simplifica e reduz equipamentos necessários
- De pequenos a grandes sistemas

Custo

Gratuito e fácil de utilizar

Baixo custo de engenharia

Eficiência

- Projetos funcionam em dispositivos móveis, PC e TVBOX.
- Imagens e informações podem ser compartilhadas via nuvem

Por fim

- A solução Web SCADA supera as limitações de equipamentos e os desafios impostos pela distância, oferecendo maior flexibilidade e eficiência na monitorização e controle remoto de processos..
- Esperamos que nossos produtos e plataformas possam ajudá-lo a se destacar em seu setor e a construir um futuro melhor.

Obrigado por assistir

Industrial Internet of Things

alfacomp

Haiwell 海为®