



BEIJING SIFANG AUTOMATION CO., LTD.



Beijing Sifang Automation Co., LTD. (referred to as Sifang Co., stock code :601126), a lead-



opment projects.

810+
G
(

490+
Standards

620+





Hydropower/Pumped Storage Overall Solution

.....
.....

Product Introduction

.....
.....
.....
.....
.....
.....

Testing and Certification (Part)

.....
.....
.....
.....
.....
.....

Typical Applications (Part)

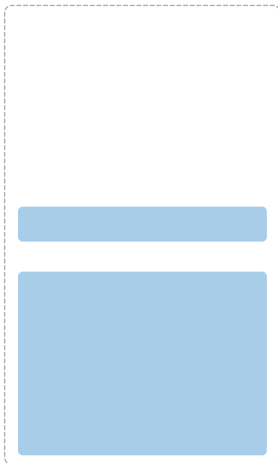
.....
.....
.....
.....
.....



01 High Reliability Solutions

circuits, three-proof coating.

Factory Integration



- ◆
- ◆ tion, excitation, and smart instruments.
- ◆
- ◆

Smart Monitoring



Smart Disk Monitoring

operation.

Intelligent Control

Smart Inspection

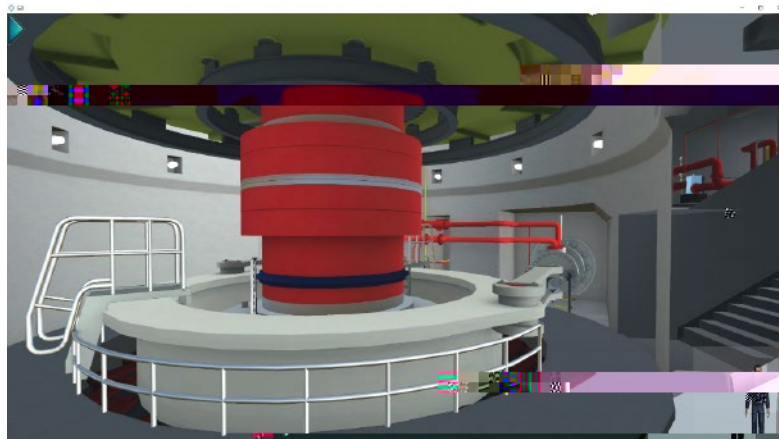
means of image recognition, infrared temperature measurement, etc., formulate intelligent

Fault Diagnosis

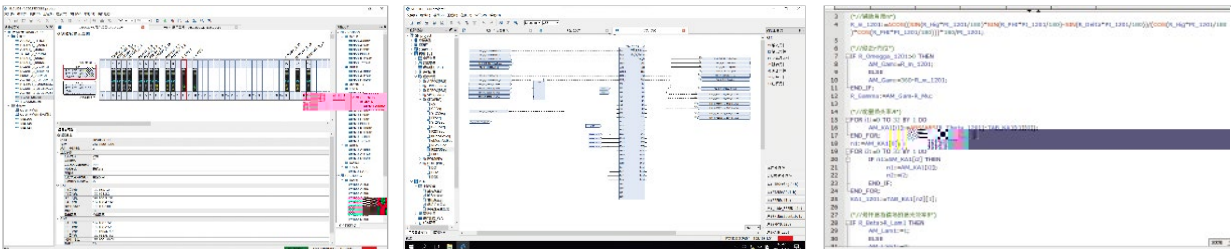
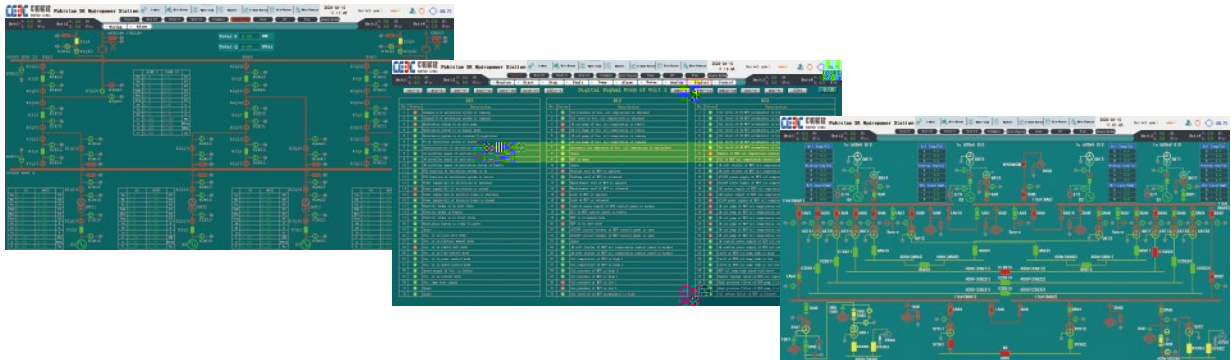
and support unattended operation.

Digital Twin

and the speed of talent training.



Monitoring Software



Intelligent Programmable Controller (PLC)

► Features



interference.

controller.



- ◆
- ◆
- ◆
- ◆
- ◆

as needed.

-

► Features

- ◆
- ◆
- ◆
- ◆
- ◆

Generator Grid-connecte	●	●	—
Lines Concurrent	●	●	—
	●	●	—
Automatic Corner	●	●	—
	●	●	—
	●	●	—
	●	●	—
Line Selection Control	●	—	—
Line Selection	—	—	●

⚙️ Time Synchronization Device



► Features

- ◆
- ◆
- ◆
- ◆
- ◆

Intelligent Communication Control Unit



► Features

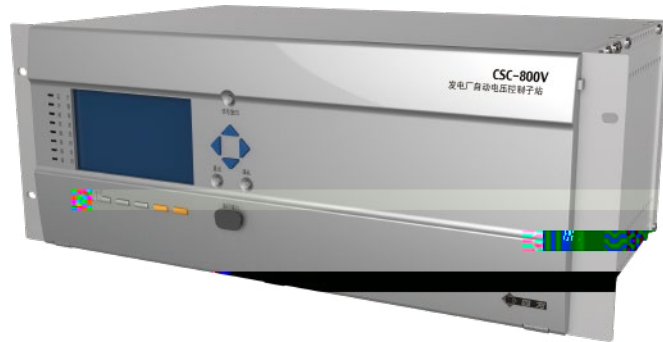
- ◆
- ◆
- ◆

Intelligent AGC



► Features

- ◆
- ◆
- ◆
- ◆
- ◆



► Features

- ◆
- ◆
- ◆
- ◆
- ◆

Integrated Information Management of Power Stations

station, data sharing and integration are carried out to enhance the intercommunication capa-

Protection System

-
-

Among them, the actual application of generator-transformer group protection products

Generator and Transformer Unit Protection



protection scenarios.

► Features

- ◆
- ◆
- ◆
- ◆
- ◆

		•
		•

Line Protection

► Features

- ◆
- ◆
- ◆ CT saturation discrimination.
- ◆
- ◆

Plant Power Protection



► Features

- ◆
- ◆
- ◆

CSD-211	Digital line protection measure-	line protection and control
CSD-212	Digital line distance protection	
	ential protection measurement	
	Digital motor protection mea-	protection and measurement control
	Digital transformer protection	-

Busbar Protection



	●	●	●
	●	●	●
	●	—	●
	●	—	●
CT Disconnection Discrimination	●	●	●
	●	—	●

► Features



Excitation System

► Features

- ◆
-
-
-
-
- ◆
- ◆



SFC (Pumped Storage Only)

station in the pumping direction.

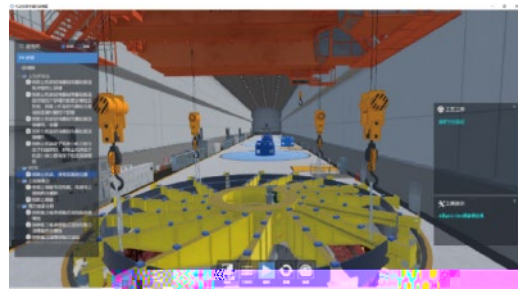


► Features

- ◆ Superior control performance: Accurate determination of the rotor position of the unit,
- ◆
- ◆
- ◆ ended grid connection time, and increased grid connection success rate.
- ◆
- ◆

Simulation System

and maintenance.



► System Functions

- ◆
- ◆
- ◆
- ◆
- ◆
- ◆
- ◆
- ◆



Monitoring System



Protection System



Excitation System



SFC Products



Simulation System



Table 1 (continued): Monitoring System Performance

No.	Project Name	Unit Capacity	Type
20	-		
21			
22			
	The sand discharge tunnel and expansion project at the		
26			
	project		



Table 2: Protection System performance

No.	Project Name	Unit Capacity	Type
1		—	
2			
	undergoing trial operation.		
6			
10			
11			
12			
16			
20			
21			
22			

Table 3: Excitation System performance

No.	Project Name	Unit Capacity	Type
1			
2			
6	ince	-	
10			
11			
12			
16			
20			



Table 4: SFC Product Performance			
No.	Project Name	Unit Capacity	Type
1	-		Adjust the Camera
2			Adjust the Camera
			Adjust the Camera
			Adjust the Camera
			Adjust the Camera
6			Adjust the Camera
			Adjust the Camera

Table 5: Simulation System Performance			
No.	Project Name	Unit Capacity	Type
1			
2			
6			
	Computer simulation training at the training center of		
10			
11	College		

