

**Control Automation Limited** provides Electrical and Industrial Automation Services in the Power Plant and other Industrial Facilities. We are registered contractor of several public facilities in Hong Kong.

**Control Automation Limited** also provides consulting services and project management services on steam/power cogeneration, waste heat utilization, waste water and chemical water treatment plant process feasibility studies and construction in Hong Kong, China and South East Asia.

### Engineering Service

We manage projects from feasibility studies, conceptual design to completion .

We provide engineering expertise during stages of installation, commissioning, overhaul, routine and preventive maintenance in power plants. During design stage, we prepare equipment specifications, design calculations and valve/pump sizing.

**Consultation service-plant design:** with our experienced technical staff, we provide feasibility studies, plant design, equipment specifications and procurement. We are most experienced in process plant mechanical and electrical system, process automation new and upgrade projects.

**Installation and Commissioning services-** after completion of design.

**Maintenance technology-**we are experienced maintenance personnel and have been trained and practiced as facilitators of reliability centered maintenance program.

**Equipment Supply** We are dealers of several manufacturers including Schneider Electric Company of France and USA, Shengzhen State Power Equipment Company of China and Guangdong , Wanzhan Automated Instrument & Meter Co. Ltd. and Southern Manufacturing Inc. We provide equipment such as:

Water treatment Plants and related equipment.

- Small Steam Turbine and Diesel Generator Steam/Power Cogeneration Plants.
- Waste heat Utilization Plants and instrument valves for chemical plants.
- Process Measurement Instrument ( pressure,temperature,flow and level elements)
- Boiler Tube leak Detector
- Carbon in Ash Analyzer
- Smoke Opacity Meter.
- Programmable Logic Controller



Control Automation  
Limited

Unit 423, 4/F, Block B, Sun Fung Center, No. 88, Kwok Shui Road, Tsuen Wan, N.T. Hong Kong

Phone: 852-21949216, 852-27284352  
Fax: 852-27257921  
Email: sales@controlautomation.com.hk  
Web site: www.controlautomation.com.hk



**Control Automation Limited**



Power industry equipment supply  
Process control maintenance  
Consultation/training service  
Turn key project for industrial facilities.



We aim for  
Safe, reliable and cost effective  
solution for our customers.

**We are dealer of**

### Automation

Schneider Electric



### Process Instrument

GuangDong WanShan Automate Instrument & Meter Co.,Ltd



### Industrial Equipment

深圳市國電電力設備有限公司  
Shenzhen State Power Equipment Co., Ltd



### Valve supply

Southern Manufacturing, Inc



- Key port valves
- Permasel valves



### Equipment Supply

#### Helical Screw Turbo-generator

The helical screw turbo-generator utilizes waste heat from steam, hot water and other potential fluid media as energy to generate electrical energy for energy saving purpose. It can be applied to electrical, chemical, petrochemical and other industrial and public facilities.

#### On line acoustic leak detector

It use acoustic monitoring method to collect acoustic signals inside boilers and convert into electrical signal for on line monitoring and alarm purpose.

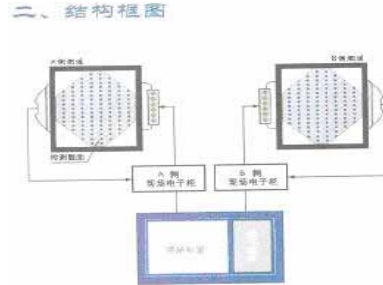
#### Process monitoring instruments

We provide process monitoring instrument as follows:

- Cerabar pressure/liquid place transmitter /temperature transmitter/Transmitter with capacitive sensor.

#### On line carbon in ash monitoring instrument

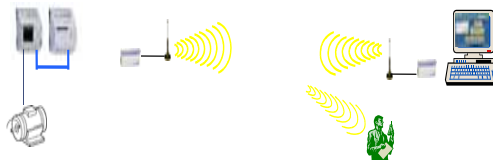
The micro wave monitoring system utilizes cross stack principle in measuring emission flue gas which provide reliable (free of sampling line blockage and signal interference) and on line accurate environmental signal. The operating platform of the analyzer is based on Window 98 is become more user friendly to our customer.



Carbon in ash monitoring system

#### SMS remote monitoring and control system

- This remote control/alarm module function can provide alarm/control messages from a distance via SMS to your mobile phone or PC.



### Project Reference

Engineering Service

- Provision of instrument routine maintenance in Gas Receiving station in Castle Peak Power Station—CLP (Power) Hong Kong Limited
- Provision of bargraph indicators for Castle Peak Power Station—CLP ( Power ) Hong Kong Limited.
- Fabrication of automatic chemical monitoring equipment centralized chemical laboratory. —CLP Power (Hong Kong) Limited.
- Low calorific coal control modification— CLP Power ( Hong Kong) Limited.
- Gas Flow Computer installation in Gas Pigging Station-The Hong Kong and China Gas Company Limited.
- Redundant PLC panel installation for diesel generator in CTM ( Macau ) - ABB (Hong Kong) Limited
- Supply and installation of PLC and interfacing panel and cabling in Hin Keng Market Gas Dehumidifier
- Provision of programming service in Shanghai Bao Steel switch gear mimic panel with ABB PLC.
- Routine overhaul of Gas Pressure Control valves in Natural Gas Transmission System

Consultation Service

- Risk Assessment in Hong Kong Electric substation metering installation— ABB (Hong Kong) Limited
- Lighting quality inspection in construction site— Towa Concrete Limited.

Man power Supply

- Provision of skillful technician and engineer for project quality control in DCS retrofit in Castle Peak Power Station— CLP Power (Hong Kong ) Limited.

Control Automation Limited

Unit 423, 4/F, Block B, Sun Fung Center, No. 88, Kwok Shui Road, Tsuen Wan, N.T. Hong Kong

Phone: 852-21949216, 852-27284352  
Fax: 852-27257921  
Email: sales@controlautomation.com.hk  
Web site: www.controlautomation.com.hk

Contact: Y.W.Sze ( Director )