

ALSTOM SIZHOU ELECTRIC POWER
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ABOUT ALSTOM SIZHOU



Alstom Sizhou Electric Power Equipment (Qingdao) Co., Ltd. is a wholly foreign owned enterprise formed in April 2007 by cooperation between Alstom and former Qingdao Sizhou Electric Power Equipment Co., Ltd. Alstom, a Fortune 500 company, sets the benchmark for innovative, environmentally friendly technologies in the world of power and rail transport infrastructure. Alstom provides turnkey integrated power plant solutions and associated services for a wide variety of energy sources, including hydro, gas, coal and nuclear. Qingdao Sizhou, specialized in producing bottom ash, fly ash and coal handling equipment, wind power components and pressure vessels, had established a strong reputation in both the Chinese and overseas markets. The synergy brought by the cooperation will make Alstom Sizhou more competitive in respect of technology, production, sales and customer service.

- Sizhou company have acquired long-time development and has become the largest submerged scraper conveyor manufacturer in China, through deepen the inside reformation and optimizing the personnel frame and exploiting market from time to time in recent years. Now there is a good opportunity for developing economy, Sizhou company will closely follow the times' step and grasp the opportunity, pursue the enterprise spirit "unity, diligence, innovation and high efficiency, and make "improving product quality, meeting customers requirement" as tenet of all activities of company.
- Science and technology updates very quickly today. And technology innovation has become the only developing way for enterprise. Man has technology who will have market, and man has qualified personnel who will always success. We will continue technology innovation and exploit new product and make personnel the first place and proper place, so as to do the first class enterprise.
- In the new century full of competition and wish, Sizhou company now meet the new challenge with youth stance. At the same time Sizhou company wish cooperate with Chinese and foreign friends and welcome bright tomorrow.

The Company facility covers an area of 180,000 square meters, near Qingdao (22km to Qingdao Airport and 30km to Qingdao Port) and has a 130,000 square meter production area. The Company employs 1200 employees including 170 technicians and engineers. It holds a range of product patents, and has been granted “Shandong Star Corporation of China patent” and “High and New Technology Enterprise” for many years in succession. Sizhou was the first company of its kind in China to get ISO9001, ISO14001 and OHSAS 18001 Certificates. The Company applies advanced production and testing equipment during manufacturing and quality control.

Alstom Sizhou designs and manufactures slag-handling systems, dry and wet boiler bottom ash-handling systems, coal feeding systems, ESP fly ash conveying systems and water treatment systems and solutions and is certified to design and manufacture pressure vessels up to 100 bar. The company also supplies wind towers for the wind power industry



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Design

- There are 170 design personnel, of which 50 have over 10 years' experience in production design and take part in the design for almost five hundred sets of submerged scraper conveyor, the product gained a lot of patent technology, and the technical capability is in the lead position in the world. Sizhou has cooperated with U.S.A. ABB Corporation, U.S.A. UCC Corporation, French ALSTOM Corporation in many projects. Product scheme and assemble drawing design must pass three censor by design group, expert group and general engineer. The design for component of equipment must pass the check and censor of three qualified professional engineer of the group, and then the drawing can be given to workshop. Each personnel of technical department uses a computer, in virtue of planar, three-dimensional drawing software and limited element analyses software and intensity calculation software with powerful function, which can assure the design accuracy and enhance the design efficiency greatly.

Craft

- Sizhou has established new technology exchange and cooperation relationship with many universities and colleges and scientific research institutes, and adopting new material and new craft to product. Among them metal corrosion-resistant craft researched by cooperating with China Ocean University use in the body and scraper of submerged scraper conveyor, especially applied in the power plant using sea water to cool, which has obvious effect for improving the use life of equipment. Sizhou company make big investment in reconstruct cast and heat treatment workshop, retaining two senior engineer with more than twenty year's experience for cast and heat treatment, adding up two sets FDRL-10 type sirocco cupola controlled temperature automatically by computer to assure the quality of cast piece. It adds two sets utility well type boiler adopting advanced carbon type temperature computer group control system, the whole heat treatment process is controlled automatically by computer. It greatly improve the quality and wear-resistant of key parts of product and at the same time improve the use life of the whole equipment by taking above measure.

Purchase

- All outsourcing piece of Sizhou company adopts global purchase strategy, investigating and choosing the related supplier strictly according to the following four standard:
 - a. product quality is in the first leading position in the world;
 - b. it has better business reference in China;
 - c. the proportion between quality and price of product is higher; after-sales service is good.Such as: round chain using in submerged scraper conveyor is product of Germany RUD company; hydraulic motor is product of Hagglunds Drives AB; tail tensioning device is the product of Germany Bosch Group; bearing is the product of Sweden SKF company, the above company's products have more high famous degree in international, and the quality of product is stable and reliable through practice prove

Quality inspection

- Quality department of Sizhou company has more than thirty professional inspection personnel, and establishing quality management group of which general manager is the leader, among them twenty have gained engineer title and have more than ten year's experience for product quality inspection. It has more complete examine facility, among which there is one set of broad-spectrum analysis apparatus, two sets of hydraulic pressure omnipotence test, four sets of detector of defects, and there are detection of defection room, physics room, laboratory and measure room. The quality department has complete inspection flow and advanced inspection method, which is strict according to request of ISO9001 quality guarantee system. Inspection personnel and product group combine self-inspection with mutual inspection, controlling the quality step by step, from outsourcing entering factory inspection, every working procedure inspection during the product manufacture process to the whole equipment commission before finished product entering into storehouse. It also sets strict rewards and punishment regulation for quality, and sets a meeting for analysis quality timely and inform the quality accident, which will penetrate the product quality and safety consciousness into the heart of every personnel

List of main products and projects (please click the interlink to see our main projects which we had done)

Wet slag handling system	<ul style="list-style-type: none"><u>List of submerged scraper conveyor reference</u><u>List of dehydration bin reference</u><u>List of deposit pond ,reservoir and concentrator reference</u><u>list of ash crusher reference</u><u>list of slag bin reference</u>
Dry ash and slag handling system	<ul style="list-style-type: none"><u>List of rolling slag cooler reference</u><u>List of bucket conveyor reference</u><u>List of bucket elevator reference</u><u>List of round chain scraper slag conveyor reference</u><u>List of pneumatic ash conveyor system reference</u><u>List of truck bulk reference</u><u>List of double shaft blender reference</u><u>List of discharger and ash flusher reference</u><u>List of electric lock air feeder reference</u><u>List of bag filter reference</u><u>List of pneumatic, electric and mutual flashboard door reference</u>

Coal (powder) feeder system

[List of embedded scraper conveyor reference](#)
[List of glue tape conveyor reference](#)
[List of coarse and minute powder separator reference](#)

Vessel system

[List of deaerator reference](#)
[List of heat exchanger reference](#)
[List of chemical water treatment equipment reference](#)
[List of temperature and pressure reducer reference](#)
[List of glue global wash device of steamer reference](#)
[List of boiler atomuffler reference](#)
[List of wind door of power station and expansion joint reference](#)
[List of boiler pollute water separate equipment reference](#)

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Submerged Scraper
Conveyor for 900MW
unit



Submerged Scraper
Conveyor for
600MW unit



Submerged
Scraper
Conveyor for
300MW unit



Single Roller Slag
Crusher



Dewatering Bin



High Efficiency Concentrator



Single Chain Submerged
Scraper Conveyor



Hydraulic Shut-off Gate

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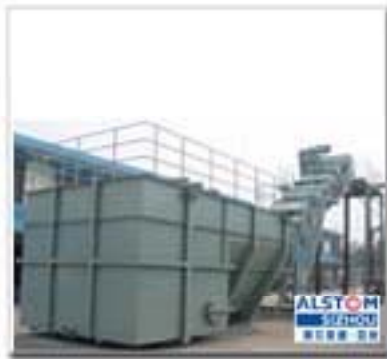
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Movable Slag Hopper



Submerged scraper Conveyor for Gasification Boiler Scraper



Double Shaft Ash Humidifier



double shaft ash humidifier(shaft drive)



Truck Bulk Loader



Pneumatic Guillotine Sliding Gate Valve



Electric Rotary Airlock Feeder



bag filter



plough type discharger pneumatic conveyor system double sides discharger glue tape coal feeder



Scrapper Buried

embedded scraper
coal feeder

Scrapper Buried
Coaldust Conveyor

coal feeder with bracket

Coal Feeder

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continuous pollution
discharge expander



screw plate type
heat exchanger



screw plate type heat exchanger



air and water
heat exchanger



Hydraulic Box
Type Ash Flusher



thermal deaerator



air and water heat exchanger

Competitive Advantage

The largest domestic SSC producer Sizhou has extensive experience in the power plant environmental ancillaries industry, especially in the SSC development, production and sale. With its 80% market share in the industry, it has developed itself into the largest SSC producer in China with a sound reputation among customers. Sound customer base with good reputation Currently, Sizhou's products have been applied in more than 460 domestic thermal power plants. A long-standing business relationship has been established with Sizhou's major customers.



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Certificate of honor



ISO9001 Quality Management System Certification



ISO14001 Environmental Management System Certification



authorized certificate for round chain by Germany RUD company



Design License of Pressure Vessel

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