

CUSTOMER PORTFOLIO



China Top 500 Enterprises

SHUANGLIANG
ECO-ENERGY

Our Customers



With about 100 sales and service branches around the world, we keep zero distance with customers. Over 25,000 absorption chillers have been sold to more than 100 countries and regions.

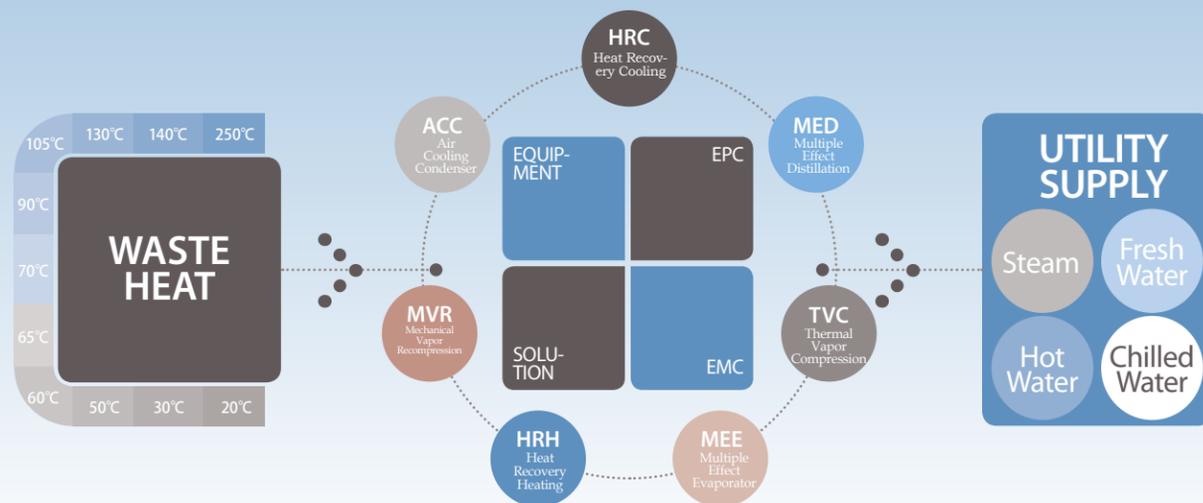




National Exhibition and Convention Center (Shanghai)

Total Cooling Capacity: 8140 USRT

National Exhibition and Convention Center (Shanghai) is projected to edge itself as the world's largest and most competitive MICE venue of our age. With half million square meters of exhibition space consisting of 400,000 square meters of indoors and 100,000 square meters of outdoors, NECC holds a crucial position on the national strategic map for future commerce development, hence plays a vibrant role in exploring global markets, expanding international trade and exhibiting the national strength.



Shanghai Disneyland Park

Total Cooling Capacity: 19604kW

Shanghai Disneyland Park is the second Disneyland Park in China, the third one in Asia, and the sixth one in the world.



Within 30 years since producing the 1st absorption chiller in 1985. Over 20,000 units of Shuangliang Lithium Bromide Absorption Chillers have been provided world widely. Total cooling capacity: 30 billion kcal/hr



equivalent

Save Investment 600MW×15



equivalent

Save Energy 22.5 Million tons
Reduce Emission 57.6 Million tons



equivalent

Plant Trees 160,000 hectares

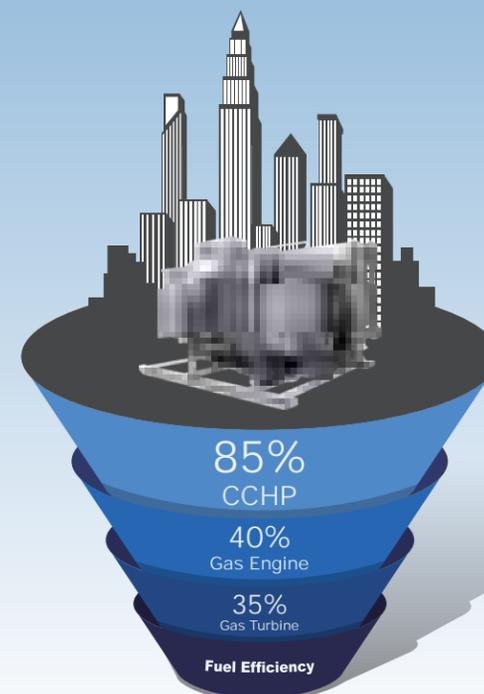


Trigeneration System

Cooling, Heating and Power

Waste Heat Sources for Absorption Chiller

- Flue gas + Jacket water
- Flue gas + Jacket water + Make-up burner/Steam
- Flue gas → Steam
- Flue gas → Hot water
- Flue gas → Hot water + Jacket water
- Jacket water only



BUSINESS

Energy-saving and comfort are the prime consideration for public places in the selection of air-conditioning system. Central air-conditioning system featuring high safety and good ventilation is required because of large passenger flow in such places. Many world-famous chain hotels such as Hilton and Sheraton have chosen Shuangliang as their air-conditioning system supplier.

Urumqi Hilton Hotel

★★★★★

Total Cooling Capacity: 4008 USRT

Urumqi Hilton Hotel is built on a five-star standard with luxurious and comfortable guestrooms and suits.

Dolmen City, Pakistan

Total Cooling Capacity: 17000 USRT

Dolmen City is located at the Clifton Beach of Karachi, consisting of two 18-floor towers, two 40-floor executive towers and one shopping mall. Now the two 18-floor towers were completed and air-conditioned by two units of Shuangliang chillers.





Lefay Resort & Spa Lago di Garda

(Gargnano, Lake Garda, Italy)

★★★★★

Cooling Capacity: 700kW

Model: HSB-231, driven by both biomass boiler and flue gas of 2 units of micro turbines

Modern sustainable design meets sheer indulgence at Lefay Resort & Spa Lago di Garda where unadulterated pampering goes hand-in-hand with the most stunning lake views. This elegant resort, in Gargnano, is nestled within 27 acres of gentle hills and natural terraces, adorned with olive groves and woodland on the Riviera dei Limoni.

Migros Regional Headquarter in Bern

(Switzerland)

Cooling Capacity: 1000kW

Model: ST-284, driven by unusable wood fired boiler

Migros is the biggest retailer in Switzerland with 590 shops and 83,000 employees a turnover of chf 22 Billion. The Project was in the Regional Headquarter of Bern, having administration, distribution and the second biggest shopping centre in Switzerland.





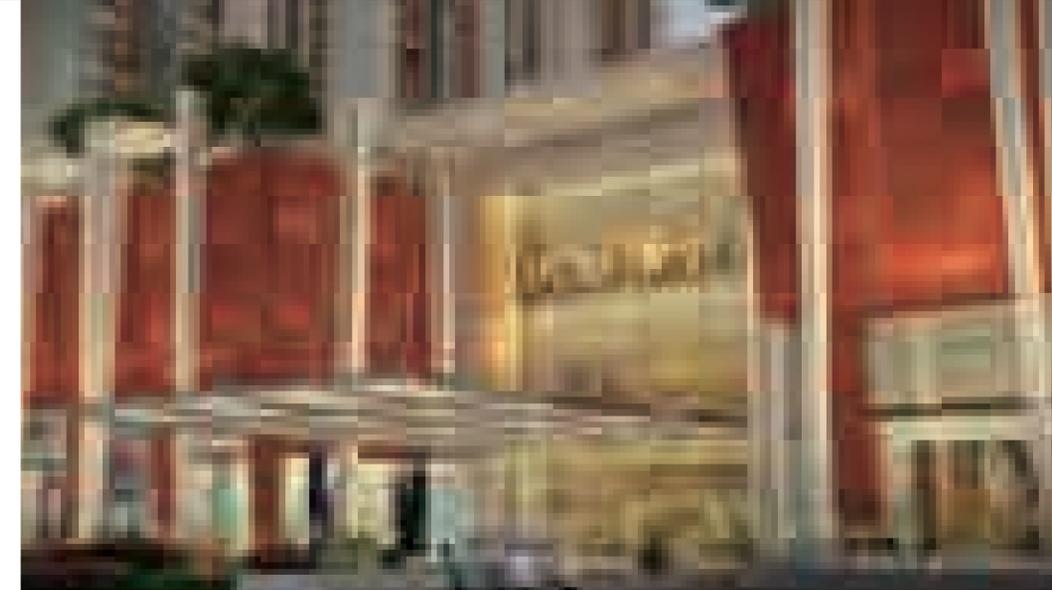
Kunshan Business & Traders Hotel

(Member of Shangri-La)

★★★★★

Total Cooling Capacity: 1169 USRT

With convenient transportation, the hotel is located in the downtown of Kunshan, east of Shanghai and west of Suzhou.

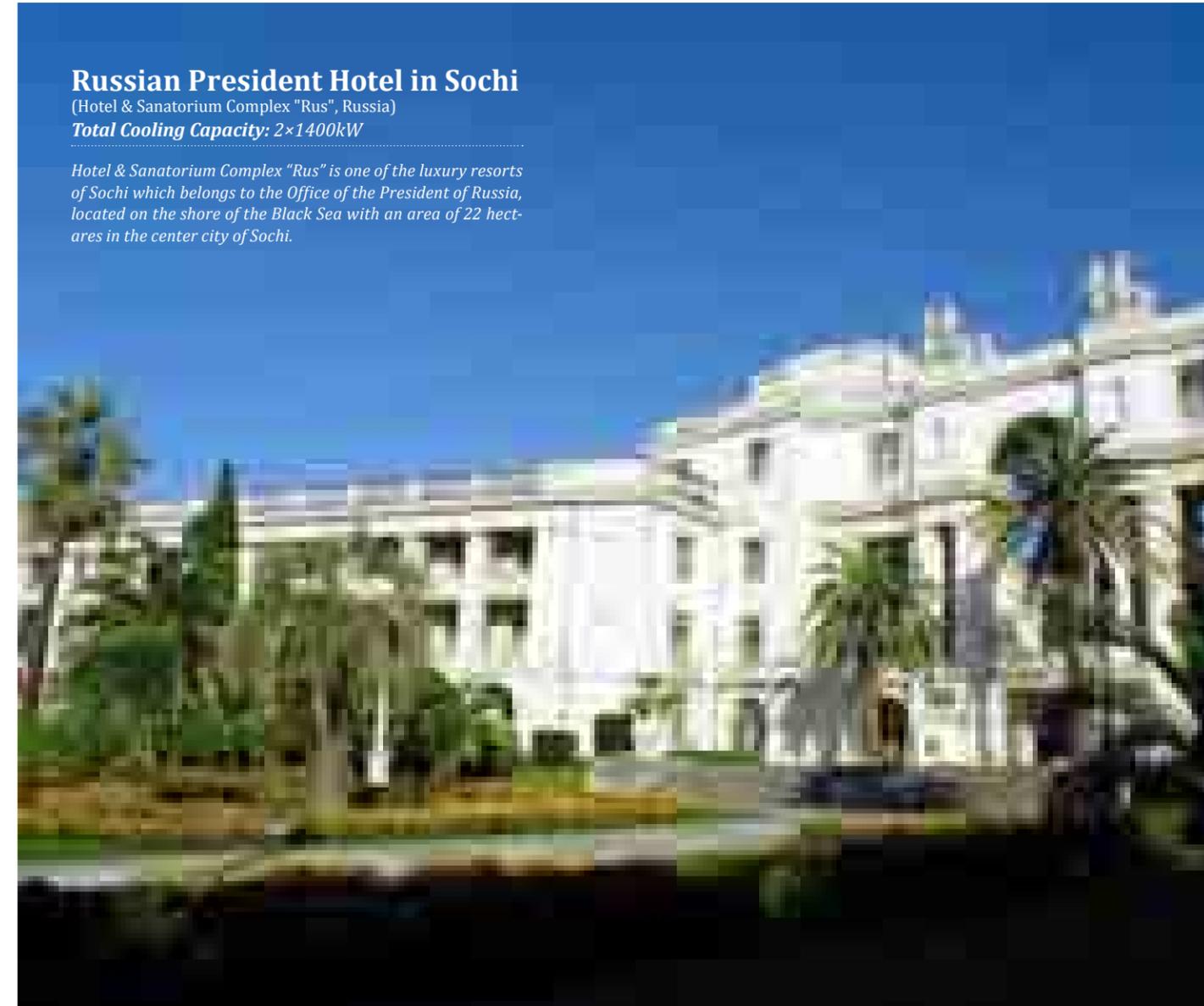


Lucky One, Pakistan

★★★★★

Total Cooling Capacity: 8140USRT

Lucky One is a prestigious project under construction in Karachi, Pakistan, comprising 8 tower buildings, each having 28 floors and a mall at podium level. This will be Hyperstar's second hypermarket in Karachi as one is located in Dolmen Mall Clifton. The mall is to be built on 2.2 million square feet area, which will make it the largest in the country.



Russian President Hotel in Sochi

(Hotel & Sanatorium Complex "Rus", Russia)

Total Cooling Capacity: 2×1400kW

Hotel & Sanatorium Complex "Rus" is one of the luxury resorts of Sochi which belongs to the Office of the President of Russia, located on the shore of the Black Sea with an area of 22 hectares in the center city of Sochi.



Persian Gulf Commercial Complex, Iran

Total Cooling Capacity: 14,000 USRT. (For shopping center only), 12 units of DF-1157H3 Gas Fired Absorption Chillers

Persian Gulf Commercial Complex is located in Shiraz with an area about 500,000 m². It is the greatest, most modern and advanced commercial complex in Iran, composed of more than 2,500 shops including welfare facilities.

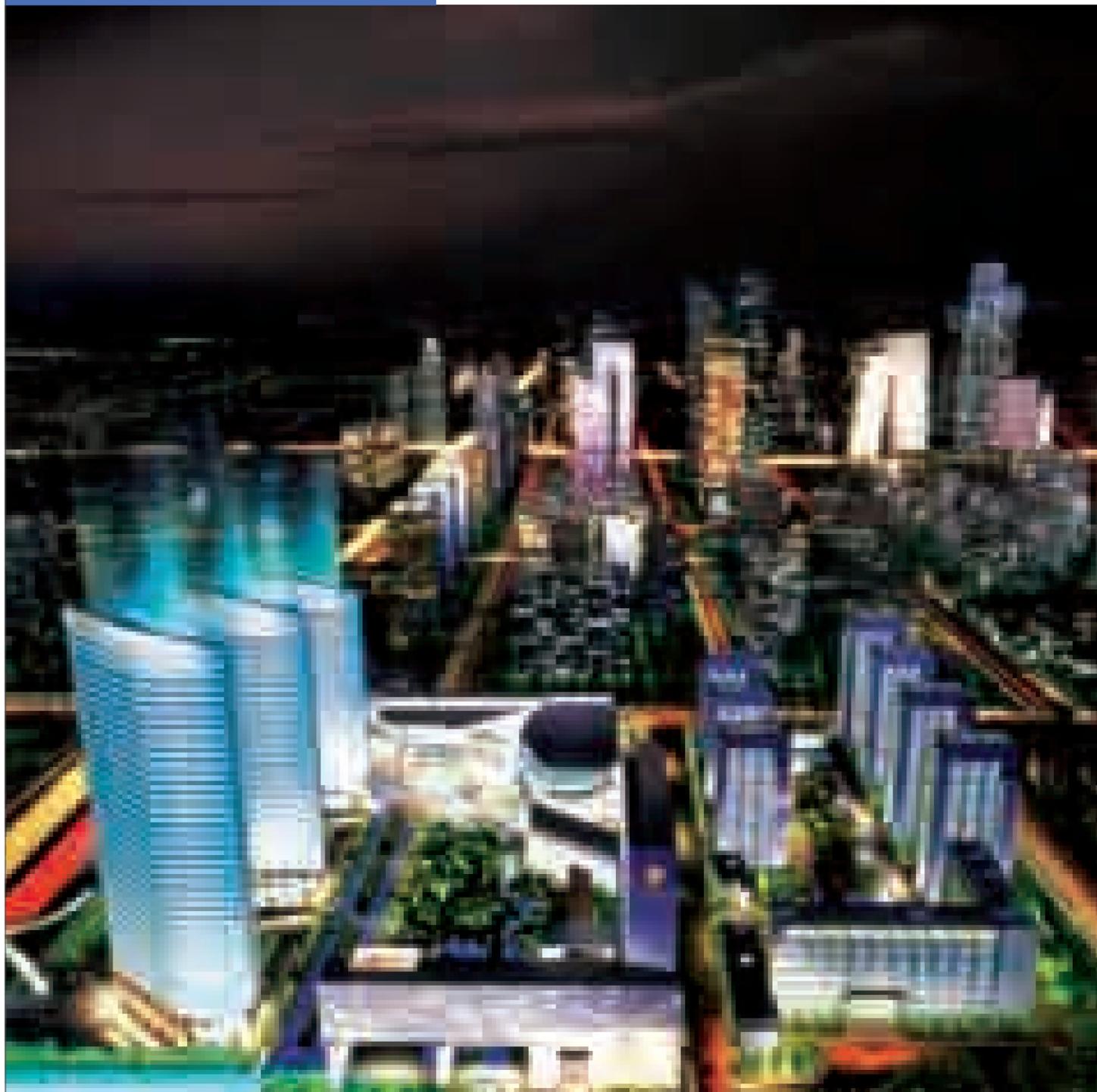
Hyper market covers an area of 15,000 m² with automatic ramps and escalators. Indoor facilities with an area of 28,000 m² include bowling-alleys, billiard room, prayer room, emergency room, restaurant and coffee shops. There are also 6 cinemas, and each one can accommodate 180 audiences with excellent acoustics. Highly equipped outdoor amusement park covers an area of 37,000 m². Indoor parking area has numerous entrances and exits with capacity of 5,500 cars. Helipad is also built in international hotel.



Beijing China Central Plaza

Total Cooling Capacity: 13360 USRT

Beijing Huamao Center is a large-scale commercial building cluster composed of office buildings, international apartments, shopping malls and five-star hotels (Riz Carlton and Marriott).



Ningbo Metro

Total Cooling Capacity: 1002 USRT

Metro Group is world's largest C&C (Cash & Carry) commercial group, and Ningbo Metro Supermarket is a large-scale retail distribution center featuring storage and chain operation which occupies an area of 5.2 hectares.



Guiyang Walmart National Chain (Guiyang, Yuxi)

Total Cooling Capacity: 668 USRT

Walmart is a worldwide chain supermarket and Guiyang Walmart covers an area of 17,000m².

China South City Nanning

Cooling Capacity: 17,870 USRT

The first demonstration project of distributed energy resources in Guangxi which includes power plant with 3 X 60MW Gas turbine Generator combined by Shuangliang LiBr Chillers.



Guangzhou International Convention & Exhibition Center (Pazhou)

Total Cooling Capacity: 6680 USRT

Located in Pazhou Island, it is a multifunctional convention and exhibition center with unique design and pleasant environment.



B&Q National Chain

(Shanghai, Chongqing, Xi'an, Wuxi)

Total Cooling Capacity: 2922 USRT

B&Q is an international leading retail group specialized in providing decorative building materials.



INDUSTRY

Since air contamination, humidity and temperature affect manufacturing process and product quality, air-conditioning is of great importance for textile, chemical, pharmaceutical and other industrial plants. Shuangliang provides various types of high-efficiency LiBr absorption chiller/heater with perfect after-sales service for different industries to guarantee the process and quality.

Beijing Data Center of CNPC

(China National Petroleum Corporation)

Total Cooling Capacity: 5×853 USRT

CNPC is a giant multinational, integrated petroleum and petrochemical corporation, and one of the largest crude oil and natural gas suppliers in China. Beijing data center is responsible for mutual backup between core production system and CNPC headquarter data center, as well as provides infrastructure for information construction in Petroleum Science and Technology Park.



Jinling Branch, SINOPEC

Total Cooling Capacity: 6960kW

Benefit: Annually saving 10.5 million kW/h electricity

It is the third largest crude oil processing base of Sinopec, the national largest manufacturer of clean gasoline and aviation kerosene and the Asian largest production base of detergent raw materials.



PT Indorama Synthetics Tbk., Indonesia

Total Cooling Capacity: 2628kW

It is a subsidiary of Indorama Group, which is a leading manufacturer of petrochemicals, associated downstream products and textile raw materials, and also a multinational corporation with products sold to over 90 countries around the world.



JSOC Bashneft, Russia

Total Cooling Capacity: 26.1MW

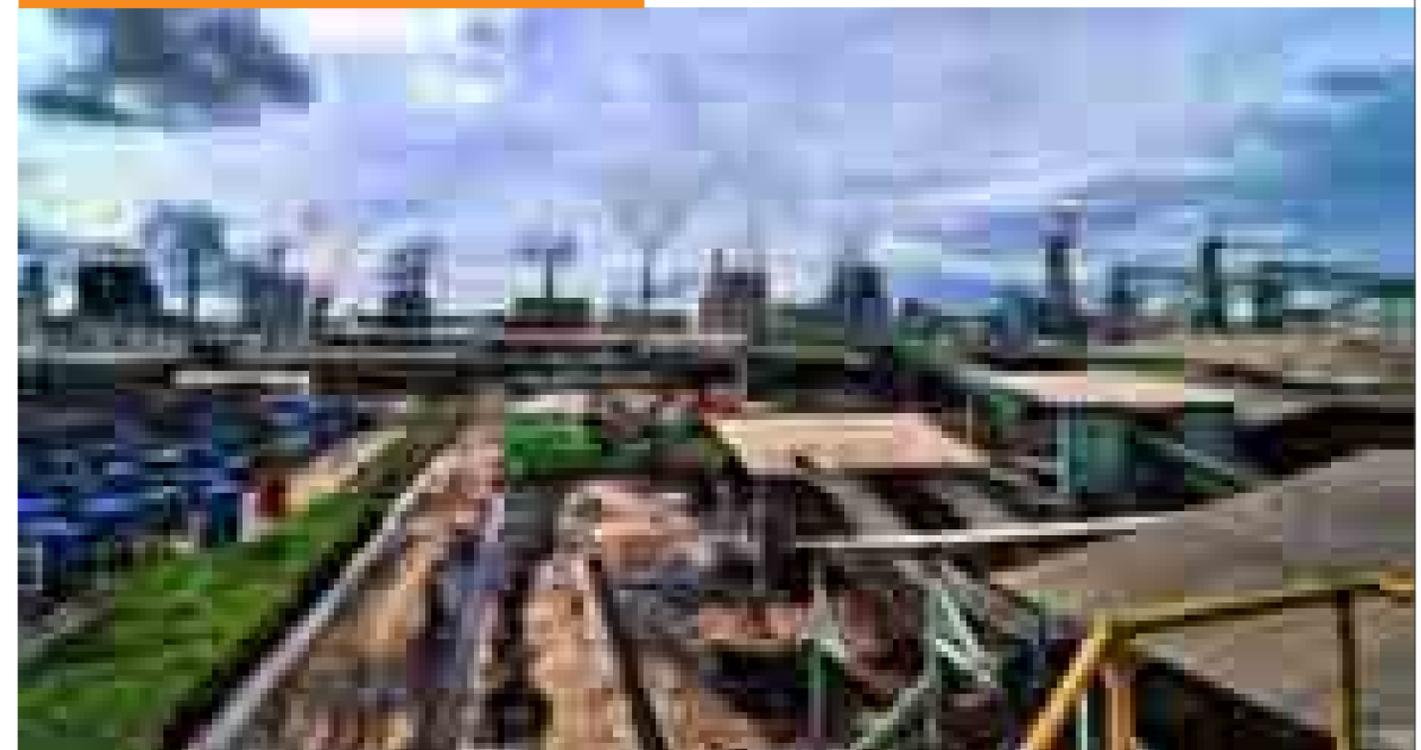
JSOC Bashneft is one of Russia's fastest growing private vertically integrated oil companies. The Company ranks in the top-10 Russian companies in terms of oil production and in the top-5 in terms of oil refining.



PT Indah Kiat Pulp & Paper, Indonesia

Total Cooling Capacity: 2314 USRT

It is a subsidiary of Sinar Mas Group, which is one of the largest conglomerates in Indonesia, owning one of the world's leading pulp and paper companies and ranking one of the largest vertically integrated pulp & paper producer in Asia, excluding Japan.





**Honda Automobile
(Thailand) Co., Ltd.**
Total Cooling Capacity: 3026kW

Chashma Nuclear Power Plant, Pakistan

Total Cooling Capacity: 5360 USRT

The Chashma Nuclear Power Plant (CNPP) has been designed and built in collaboration with China, which has delivered full power of 300 MW to the national grid since 2000. Shuangliang provided 4 sets of steam-operated LiBr absorption chillers for this project in 1995. On April 8, 2005, the groundbreaking ceremony of phase II of Chashma Nuclear Power Plant was held at the construction site. Shuangliang absorption chillers were provided for Chashma-2 again due to their excellent performance.



Toyota (Sichuang) Factory

Total Cooling Capacity: 1058 USRT



Qinshan Nuclear Power Plant

Total Cooling Capacity: 1488 USRT

It is the first nuclear power station equipped with a 300MW pressurized water reactor by China's independent design, construction, operation and management, which was connected to grid in 1991. It also marks a milestone in China's peaceful utilization of nuclear power.



Shougang Group

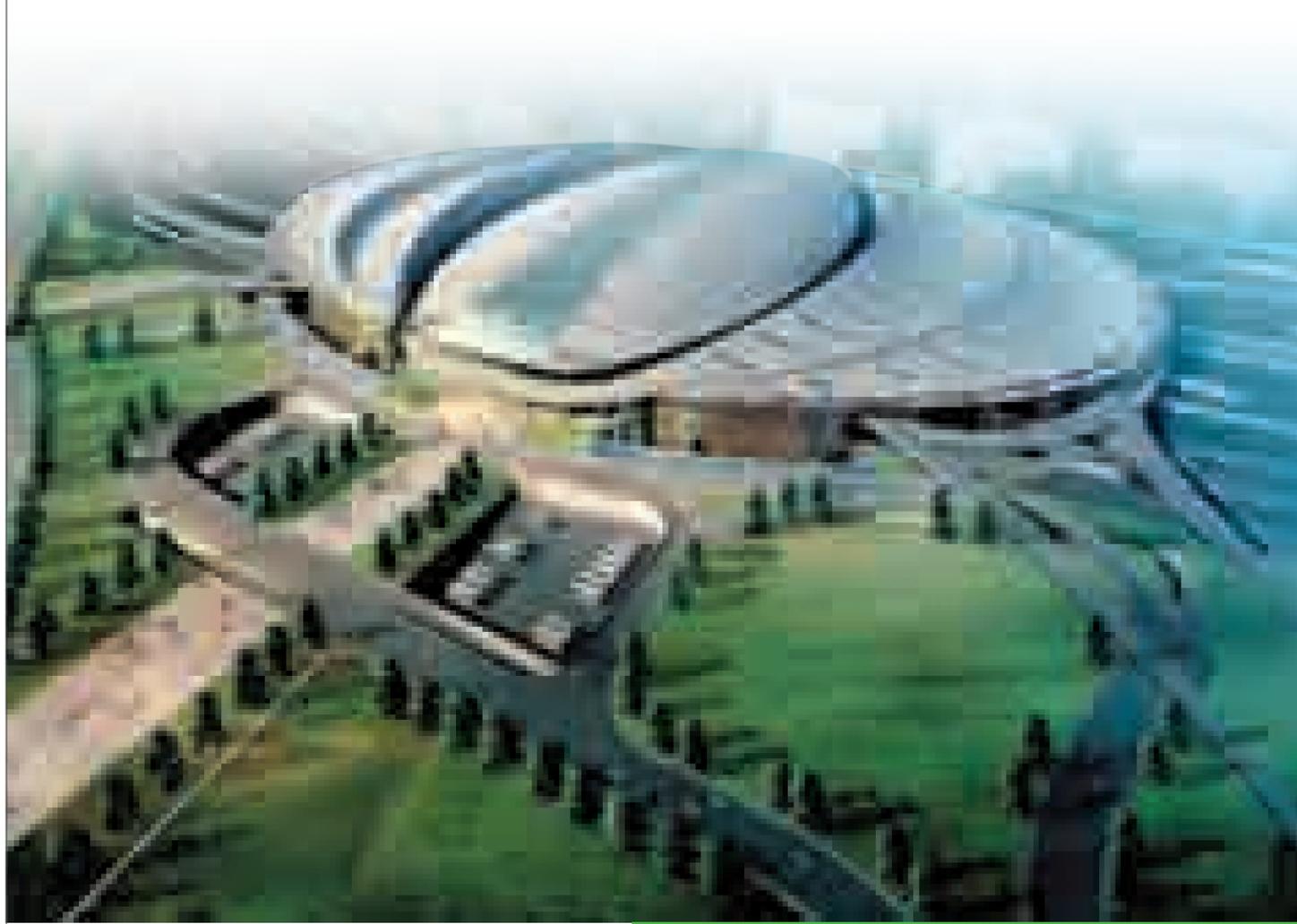
Total Cooling Capacity: 3674 USRT

Shougang Group was established in 1919 and now is among top ten steel enterprises in China.



PUBLIC FACILITY

Power consumption of air-conditioning accounts for a large proportion of total energy consumption each year, so energy-saving is key to public facility construction. Shuangliang supplies waste heat recovery cooling technology and high-efficiency equipment.



Beijing South Railway Station

Total Evaporation Capacity: 992 USRT

Total 992USRT chillers driven by exhausted flue gas of co-generation system, equals to save 5,633 tons of steam every year, 2.82 million kW electricity and reduce 8,000 tons of CO₂ emission.



Beijing West Railway Station

Total Cooling Capacity: 7000kW

Known as one of the largest railway station in Asia, it is also the destination station of Kowloon-Beijing Railway.

Nanjing Railway Station

Total Cooling Capacity: 3474 USRT

Covering an area of 1.2 million m², it is situated on Xuanhu Lake with beautiful landscape surroundings.





National Olympic Sports Center

Cooling Capacity: 3100 USRT

National Olympic Sports Center is suited in the southern part of Olympic Park covering an area of 97.5 hectares. As one of main stadia for 2008 Olympics, a number of matches were conducted here.



TianJin BinHai International Airport

Total Cooling Capacity: 3960 USRT

It is only 13.3 km away from Tianjin Railway Station, the terminals of which covers an area of 1,160,000 m².



Pulkovo Airport, Russia

Cooling Capacity: 3408 USRT

Pulkovo Airport New Terminal is equipped with 3 units of HSB 827 H2 chillers with 2 units of Siemens gas turbines.

Milan Linate International Airport

Cooling Capacity: 2×2000kW

Model: 2×HAS-569, driven by hot water generated by flue gas of 3 units of gas engines.

The airport is managed by Italy SEA group, a joint stock company controlled by the Municipality of Milan with a 84.56% share. The remaining shares are held by ASAM (14.56%) and other minor public and private shareholders (0,88%).



Beijing Capital International Airport

Total Cooling Capacity: 6012 USRT

Shuangliang Eco-Energy was selected as cooperative partner again for Beijing Capital International Airport project which is one of the key symbol projects for 2008 Olympics.





Neolpharma Group, Mexico

Total Cooling Capacity: 250 USRT

The Neolpharma Group began a process of integration more than 15 years ago, by bringing together a group of companies engaged in research and development, production, marketing and distribution of drugs and active pharmaceutical ingredients.



Pfizer Asia Pacific Pte.Ltd., Singapore

Total Cooling Capacity: 2330kW

Pfizer Asia Pacific Pte. Ltd. is subsidiary of Pfizer Inc., which is the world's largest research-based pharmaceutical company. Shuangliang also supplied steam chillers with the capacity of 2040kW to Pfizer (Germany) factory.



Zurich University Hospital, Switzerland

Total Cooling Capacity: 2000kW

The University Hospital (Universitätsklinik) is the largest and best-equipped hospital in the city and is open to all as a publicly owned hospital. Every year, almost 130,000 patients and more than 34,000 persons come here for treatment.

The Inselspital, Switzerland

Total Cooling Capacity: 1500kW from special double effect hot water chiller, hot water inlet/outlet temperature is 175/150 °C

The Inselspital (Bern University Hospital) is the teaching and academic medical center at the University of Bern, Switzerland. The hospital is operated by a charitable foundation. As one of the country's leading medical institutions, the Inselspital has over 6,700 employees and provides care for more than 250,000 patients every year.





Art College of The University of Melbourne, Australia

Total Cooling Capacity: 1100kW, driven by solar hot water at day time, back up by direct fired burner at night.

The University of Melbourne is a public university located in Melbourne, Victoria. Founded in 1853, it is the second oldest university in Australia and the oldest in Victoria. The main campus is in Parkville, an inner suburb just north of the Melbourne CBD.

National Laboratory, Italy

Total Cooling Capacity: 2×1570kW

Trigeneration system, flue gas and hot water-fired absorption chiller

Government Campus Plaza, Trinidad & Tobago

Total Cooling Capacity: 3700 USRT

It is a landmark project in Port of Spain consisting of Board of Inland Revenue.



HEAT PUMP

Lithium bromide absorption heat pump is a kind of equipment based on lithium bromide refrigeration technology which recovers heat from low temperature heat source (steam, waste hot water and geothermal water etc.) to produce high temperature heating medium and applies in manufacturing process and HVAC. It can be widely used in such fields, as oil field, power plant, petrochemical enterprise, textile factories and steel industry.



University of Bern

Total Heating Capacity: 930kW

The University of Bern enjoys high recognition and is known for leading-edge disciplines, excellent teaching quality and favorable environment.

Shenyang Coal Trade Group Hongyang Thermal Power Plant

Total Heating Capacity: 10×43.24 MW

Waste heat recovery central heating system
with the largest capacity in the world



Huadian Xinjiang Power Generation Co., LTD., Weihuliang Power Plant

Total Heating Capacity: 3×37.6MW

The first modern coal-fired power plant in Xinjiang; the first urban heating supply power plant

Huadian Energy Heilongjiang Jiamusi Thermal Power Plant

Total Heating Capacity: 8×38.38MW

The first 300 MW capacity power plant of the highest latitude in China



AIR COOLED CONDENSER

Turn-key supplier of ACC system with complete independent Intellectual Property. Shuangliang ACC system is successfully used in Petro-chemical Industry, Coal-fired Power Plant, Cement Industry and Steel coking industry in north and north-west part of China. Total capacity is over 5000MW, save water 55,000,000 ton/year, equal to water consumption of a city with 1,400,000 population.

Botswana Morupule

B Coal-Fired Power Station Project 4 x150MW Units

Technical data:

Power of steam turbine generator set: 150MW
 Number of equipments: 4
 Exhaust steam volume of steam turbine: 372.996t/h
 Exhaust steam pressure of steam turbine: 35kPa
 Design DB temperature: 42°C
 Finned tube: single-row tube
 Already put into commercial operation in September 2012.

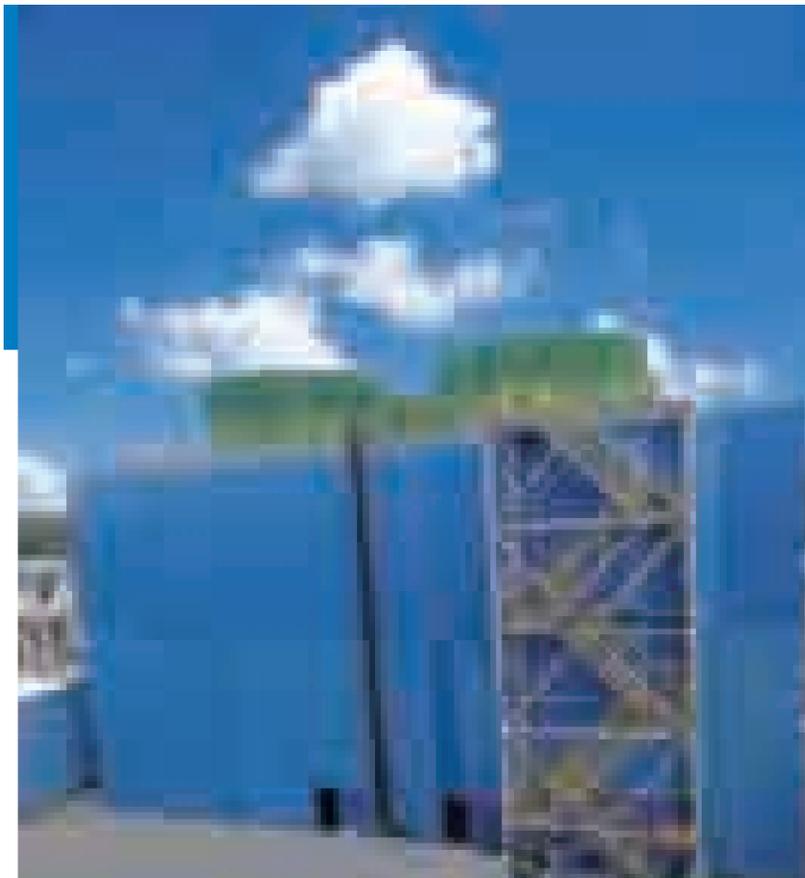


Malaysia SABAH SPR

Gas Turbine Power Station Project 1 X100MW Unit

Technical data:

Unit capacity: 100 MW, number of equipments: 1
 Water inflow: 1400 t/h
 Entering and leaving water temperature: 46°C~40°C,
 Ambient temperature: 35°C
 Finned tube: Aluminum tube and aluminum fins.



Dingzhou, Hebei Province, China

Technical data:

Power of steam turbine generator set: 660MW
 Number of units: 2
 Exhaust steam volume of steam turbine: 1,349.4t/h
 Exhaust steam pressure of steam turbine: 30kPa
 Design DB temperature: 33.5°C
 Finned tube: single-row tube
 Put into commercial operation in December 2009.



SHUANGLIANG
ECO-ENERGY

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Cat. No.: SL-IT-C153(E) New Release

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