



Ruhrpumpen launches
**Most Powerful Magnetic Pump
in the Market, up to 800 kW**

Sierra Gorda Mining Project, 140 Km of Pipelines

The overall project is an investment of
US\$ 1.9 billion → p.4

**Ruhrpumpen to supply 16,250 HP for 'Acueducto
Independencia' Project in Mexico**

\$5 million USD invested in Ruhrpumpen's
engineered pumps will play a definitive part in
generating electricity in Sonora
→ p.6

**Ruhrpumpen to supply Fire Protection Pump
Packages to Siemens**

The Simple Cycle Power Facility is located in Peru
→ p.7

HIGHLIGHT TOPIC

RUHRPUMPEN ANNOUNCES THE LARGEST MAGNETIC COUPLED PUMP ON THE MARKET

Power range increased up to 800 kW

Ruhrpumpen is leading the technology in magnetic couplings for engineered pumps by designing the largest ever mag-drive coupling. At a rating of 800 kW, this pump includes an exclusive design of axial and double radial bearings made of silicon carbide.

The SCE-M and CPR-M (OHM) magnetic driven pumps promise 100% leak-free performance. In the absence of any mechanical seal, there is no chance of spills or leakage. The pumped liquid is confined within the containment shell, typically made of Hastelloy C, which meets the highest environmental standards while handling hazardous fluids at low operating costs. The SCE-M is a fully compliant API 685 pump and draws its hydraulic range from the SCE API 610 OH2 line which offers about a 150 different hydraulics covering most applications within 80-100% of the peak efficiency point. These pumps are maintenance-free and meet the requirements of the TA-Luft (German Technical Instruction on Air Quality Control). Being API compliant, they are also robustly constructed with center line casing, heavy duty casing thickness, and



800 kW Magnetic Coupled Pump SCE-M

engineered bearing housings to meet the rigorous technical demands of refineries and petrochemical industry, therefore providing a long service life.

→ www.ruhrpumpen.com/SCE-M

Magnetic Pumps SCE-M and CPR-M



NEWS

New fire pumps UL and FM certified



It has been almost a year since Ruhrpumpen launched the new UL FM certified pumps fully in compliance with NFPA; vertical, horizontal split case and end suction, motor and/or diesel engine driven. The joint venture between Ruhrpumpen and Tigerflow, LLC enhances the fire pump offerings with the ability to offer complete 'plug and play' fire system packages ready to be installed on site. With more than 1000 hydraulic combinations for fire protection purposes, and capacities up to 1,136 m³/hr (5,000 gpm), Ruhrpumpen can confidently meet a wide variety of fire pumps requirements.

NEWS

New vertical Inline Pumps from Ruhrpumpen

IIL and IVP Models – Ruhrpumpen unveils two new vertical inline pumps for the general and the chemical / petrochemical markets. The IIL pump is a close coupled design intended to save on space while the IVP model comes with a split coupling. Both the products meet the dimensional requirements of ASME B73.2. The pumps are top pull out designed and have a broad application range from Petrochemical to Fire services as a jockey pump. Ruhrpumpen already offers a fully compliant API 610 Vertical Inline pumps (Model SPI / SPN).



IVP and IIL pumps

→ www.ruhrpumpen.com/verticalinline

HIGHLIGHT TOPIC

SIERRA GORDA MINING PROJECT, 140 KM OF PIPELINES



RUHRPUMPEN CHILE has been awarded the contract to supply pumps that will operate at a capacity of 1500 l/s (23,775 gpm) and generate 53 MW (71,074 HP) for pumping Sea Water to the Sierra Gorda project, located in the Antofagasta region, North of Chile.

The Sierra Gorda Mining Project, property of “Sierra Gorda Sociedad Contractual Minera”, consists of the open pit exploitation of copper sulfides and its processing. This produces copper and molybdenum concentrates through a process conducted with seawater.

The sea water pipeline starts from the port of Mejillones, located in the Antofagasta region, and it ends at the facilities of the mine 140 Km (86 miles) away from the Mejillones port and at an altitude of 1,700 meters (5,577 ft) above sea level.

The sea water being pumped requires equipment constructed in Duplex Stainless Steel.

The system is composed by eight motor driven vertical turbine pumps (Model 20MQH 4 stages, 600 HP), installed at the port. The next two stations will each have eight multistage split case BB3 pumps (Model SM 8 x 15 6 stage, 4250 HP).



NEWS

Ruhrpumpen acquires Pitot Tube Pump Technology

Low Flow High Head service in the industry has always been a troublesome application for centrifugal pumps. Ruhrpumpen now offers the innovative 'Pitot Tube' technology with its 'Combitube' product. Ruhrpumpen acquired the rights to this product from SIHI in November 2011.



The Combitube pump uses a stationary pitot tube within a rotating casing. Kinetic energy from the rotating casing accelerates the liquid which then enters the pitot tube, where the fluid velocity is converted into pressure. A pulsation-free flow is delivered to the discharge flange. Pitot tube design has a stable head curve over a wide flow range. Combitube has two versions: oil and grease lubricated. This pump line is now exclusively available only through Ruhrpumpen, including new units, replacements, duplicates, upgrades, and spare parts.

→ www.ruhrpumpen.com/Combitube

NEWS

ACHEMA 2012

In a product display area of 90 square meters, Ruhrpumpen recently exhibited new products and innovations at ACHEMA 2012 held in Frankfurt, Germany. Receiving 45,000 visitors, ACHEMA is the most important trade show in the chemical pump business. Ruhrpumpen presented new products including the most powerful magnetic pumps in the industry (SCE-M and CRP-M), and the new BB5 AB pump, Combitube pump (Pitot tube). With these new models Ruhrpumpen has expanded its offering for the chemical process market, becoming a leader in innovation and technology in the pumping industry.



HIGHLIGHT TOPIC

RUHRPUMPEN TO SUPPLY 16,250 HP FOR 'ACUEDUCTO INDEPENDENCIA' PROJECT IN MEXICO

With a \$5 million USD (approximate) investment, Ruhrpumpen's engineered pumps will play a definitive role in generating electricity at the Plutarco Elias Calles dam in Sonora.

Ruhrpumpen has been selected for the design and construction phase of the 'Acueducto Independencia' that transports clear water to the Plutarco Elias Calles dam (also known as El Novillo). This dam generates electricity and provides irrigation to Hermosillo, Sonora. The power plant has a capacity of 135 MW and can deliver up to 2,925 hm³ (7.8x10¹¹ gal) of water. Ruhrpumpen's scope includes five split case pumps (ZMS II 630/05, 2 stages, axially split 'BB1') driven by motors (rated at 2,425 kW / 3,250 HP each) and related accessories. Operating at a speed of 1775 rpm, these carbon steel casing pumps are built for a capacity of 2,140 m³/hr (9,415 GPM) and a differential head of 282 m (925 ft).



ZM Axially Split Centrifugal Pump (BB1)

Being chosen as the supplier for this project further enhances Ruhrpumpen's name as leading provider of engineered equipment in the Power Generation market.

NEWS

Ruhrpumpen establishes new Service Center in Virginia, USA



Continuing to focus on meeting customer's service requirements, Ruhrpumpen has opened a new service center in Virginia. Located in the City of Hampton, this service center aims to support End Users in the Northeast US Market. This new facility expands Ruhrpumpen's continuously growing network of service centers throughout the world.

The facility is equipped with major machine tools and balancing equipment to repair, rerate and upgrade API / ANSI centrifugal pumps and other rotating equipment in ALL industries. Our Virginia service center is staffed with experienced Tradesmen and Engineers supported by engineering teams in Monterrey, Mexico; Tulsa, Oklahoma, USA; and Witten, Germany.

Ruhrpumpen's Virginia service center located at:

2305 56th Street
Hampton, VA 23661
USA
Phone: (757) 325-8484
FAX: (757) 325-8548
Email: info@ruhrpumpen.com

NEWS

[Air Products & Chemicals Preferred Supplier Agreement](#)



Ruhrpumpen recently entered into a 3 year Global Sourcing Agreement with Air Products & Chemicals to be the preferred supplier of their larger cryogenic liquid oxygen (LOX) and liquid nitrogen (LIN) pumps. After investigating many options with various suppliers, AIR PRODUCTS decided to rely on the quality and broad experience of Ruhrpumpen. The pumps will be manufactured in our Tulsa, Oklahoma, USA facilities. Ruhrpumpen looks forward to a successful partnership with Air Products & Chemicals as they expand their market penetration into China, India, and Europe.

HIGHLIGHT TOPIC

RUHRPUMPEN TO SUPPLY FIRE PROTECTION PUMP PACKAGES TO SIEMENS

The Simple Cycle Power Facility is located in Peru.

Ruhrpumpen has previously supplied fire protection pump packages to Siemens for Malacas Simple Cycle Power Facility in Peru. Consequently Siemens has also chosen Ruhrpumpen for Santo Domingo Simple Cycle Power Station, also in Peru. Each fire protection pump package includes an environmental enclosure with one motor driven and one diesel engine driven split case pump, along with jockey pumps and fire pump controllers.

The system is capable of pumping 568 m³/hr (2,500 GPM) and the complete systems are in full in compliance with NFPA, UL, FM, ETL, ASME energy philosophy, by moving towards away from fossil fuel or nuclear power plants and towards renewable concepts such as wind, solar and water energy. This project in Norway is the result of the new renewable energy trends. The power plant is located in the Norwegian mountains, near Bergen. The pump itself will be placed 300 m (984 ft) up the mountain and can only be inspected during the summer season, therefore the complete unit will be monitored and controlled remotely.



Fire pumps for Siemens' project in Peru

NEWS September 2012

