

A large, stylized, red letter 'S' is the central background element of the image. It has a slight gradient and a soft shadow effect. The overall background is a dark red color with a vertical line on the left side.

SERTEC

Engineering & Technical Service

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About Us.

SERTEC is an engineering organization based in Cairo, Egypt, mainly specialized in engineering works, and technical services for the heavy industrial equipment and electro-mechanical constructions.

Our staff has strong experiences up to 25 years in the industrial field, especially in cement industry. Our main scope of work is to execute projects and equipment installations, steel works, fitting, welding, etc. Moreover, we have the ability to perform routine maintenance services and trouble shooting for production equipment of cement plants.

Such an organization has a long experience in the field of cement industry, We have the talent team who can develop the soft skills of the plant maintenance management teams, by coaching them and developing strong planned maintenance programs, which will lead to improve the plant equipment reliability factor and increasing the plant productivity with the lower cost.

- Our Mission

To effectively support our customers in industrial and construction field and contribute to achieve their objectives, by providing them with high quality technical services, whenever required with optimum cost.

- Our Vision

To be the best service provider in the industrial and engineering field, by the commitment with our customers and gain their trust and satisfaction.

Mission & Vision



Our Services.

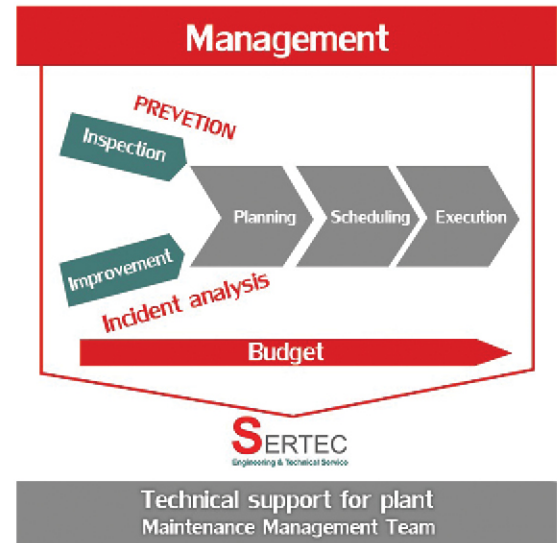
a. Technical support for Maintenance Management Team

Support the maintenance management teams in cement industry to develop the preventive and predictive maintenance programs for plant equipment, as follow:

- 1.1. Develop and improve inspection routs (inspection job plans) for all equipment workshops in the plant,
- 1.2. Develop the annual maintenance plans for all the equipment (routine maintenance plans, time based maintenance planes and condition time based plane.
- 1.3 Coach the maintenance team (inspectors & planners) to implement the maintenance program,
- 1.4. Coach the maintenance inspectors to do failure analysis for equipment components.
- 1.5. Coach the maintenance planners to do the right scheduling for all the maintenance activities, including kiln shutdown activities.

Main objectives of the program:

- Improve the plant reliability factor (RF) and reduce the production lose,
- Increase the mean time between failure (MTBF) for all the plant equipment,
- Improve the annual maintenance budget.
- Improve the spare parts management and inventory control to reduce the maintnance cost.



b. project installation and management:

- Steel structure.
- Dedusting filters such as bag filters and ESP filters (Electro Static Precipitator).
- Steel ducts and metal sheet works (fitting and welding).
- Pipe line systems
- Firefighting systems.
- HVAC systems.
- Mechanical systems of solar energy station.
- Water treatment and desalination station.
- Insulation for process filters and ducts (metal sheets and rock wool)
- Sandwich panel.
- Scaffolding works.



c. Metal Fabrication:

- Cones.
- Ducts.
- Chutes.
- Steel structure.



d. repairing and troubleshooting services:

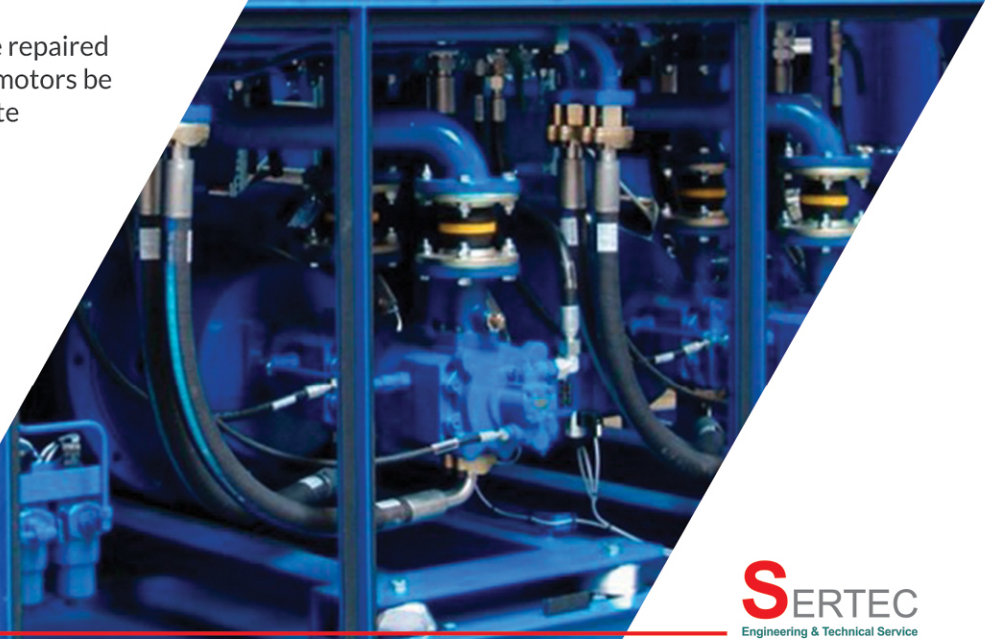
1- Hydraulic systems

We undertake troubleshooting for the hydraulic systems' breakdowns along with components' repair.

- I. Hydraulic pumps repair. The repaired pumps will be tested and certified for timum performance under working load.
- II. Hydraulic and pneumatic actuators. The repaired hydraulic and pneumatic cylinders and motors be hydrostatically tested to insure adequate performance and sealing.

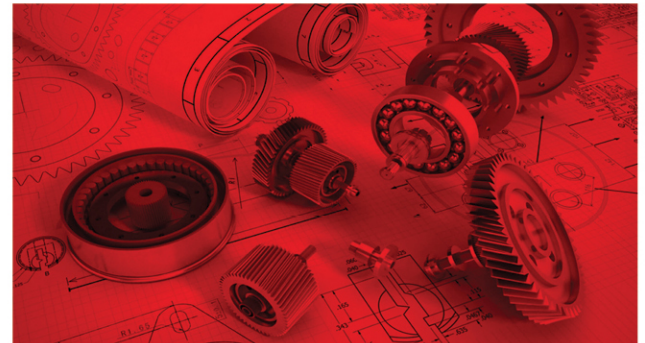


Hydraulic systems Monitoring & repair



2- Equipment repairing:

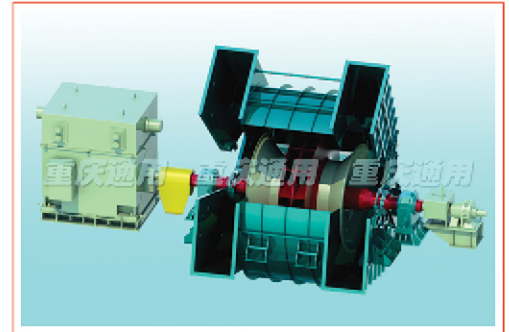
- Crushers (Rotor and hammers replacement, rotor discs filling and hard facing side walls and cover repairing).
- Raw mills and cement mills (replacement of mill shell liners and diaphragm liners)
- Process fans (Fan impeller and rotor shaft repairing, replacement, bearing and coupling replacement, Fan casing repairing/Replacement).
- Screw conveyors (repairing, replacement, erection).
- Drag chain conveyors (repairing, replacement, erection).
- Bucket elevators (repairing/ replacement for belt /chain , buckets replacement).
- Pan conveyors (replacement of buckets, rails, wheels, chain links)
- Air slide conveyors (replacement of fabric).



e. Spare Parts Supplying:

1- Industrial Fans

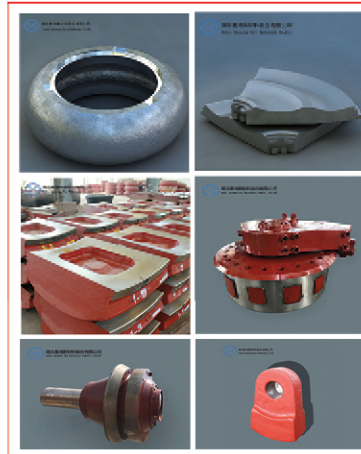
- 1.1 High Efficient Energy Saving Centrifugal Fan
- 1.2 High Temperature Industrial Fan
- 1.3 Double Stage High Temperature Fan
- 1.4 Equal Deceleration Curved -blade Centrifugal Fan
- 1.5 Low Vibration And Low Noise Centrifugal Fan
- 1.6 Full Hydrogen Hood Type Fan



2- Wear Resistant parts

Supplying of all crusher wear resistant parts:

- 2.1 Crusher rotors,
- 2.2 Crusher hammers,
- 2.3 Side lining plates
- 2.4 VRM Roller Tires.
- 2.5 VRM Roller Segment.
- 2.6 Grinding Table.
- 2.7 Roller Assembly
- 2.8 Wear Resistant Liners.
- 2.9 Hammers for Hammer crushers.
- 2.10 Ball Mill Liners.



3- Hydraulic Components

- I. Hydraulic motors.
- II. Hydraulic gear pump
- III. Hydraulic axial piston pump
- IV. Hydraulic valves
- V. Hydraulic cylinders



4- Supplying of Bag Filters & Cages



Training :

- Hydraulic Circuits Training :

Using the most modern training aids we provide an integrated hydraulic training program.

- I. Basic principles and components.
- II. Proportional and servo valves.
- III. Logic elements.
- IV. Hydraulic and lubrication fluids.
- V. Tailor made specialized hydraulic training programs.



Our Clients

- LafargeHolcim cement Egypt



- FLSmidth



- Heidelberg Cement Group



- South valley cement.



Our Partners:

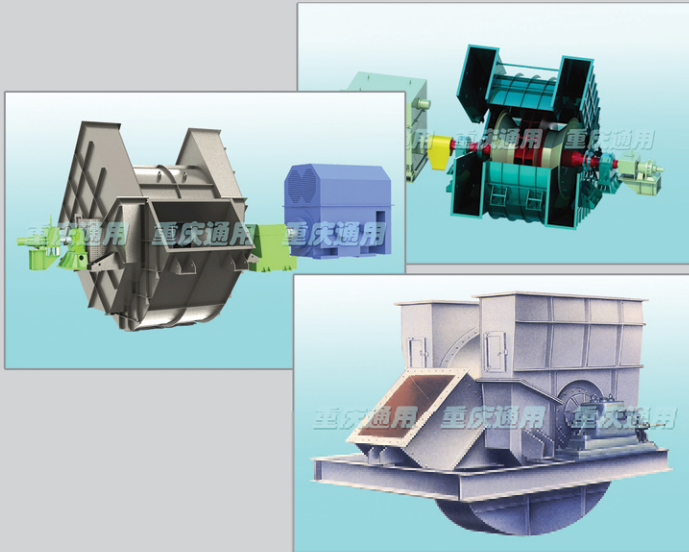
We are representatives for:



CHONGQING GENERAL INDUSTRY(GROUP)CO.,LTD

1- Chongqing General Industry (Group)Co., Ltd (CQGI)

Supplying of Process Fans



2- HL filter

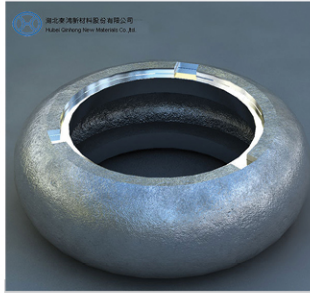




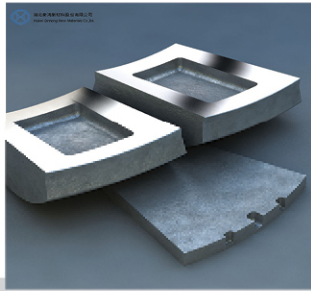
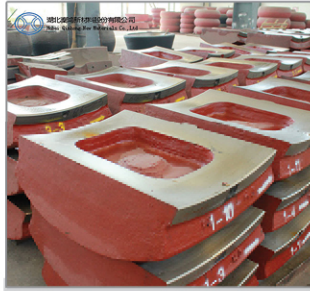
湖北秦鸿新材料股份有限公司
Hubei QinHong New Materials Company Limited

3- HuBei QinHong New Materials Co.,Ltd

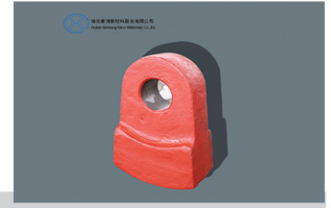
VRM Roller Tires.



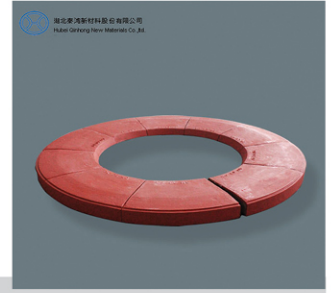
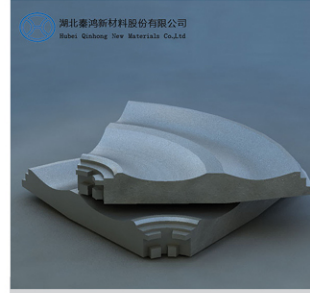
VRM Roller Segment.



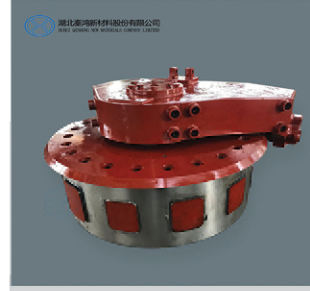
Hammers for Hammer crushers.



Grinding Table.

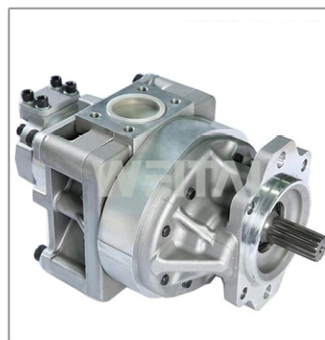


Roller Assembly



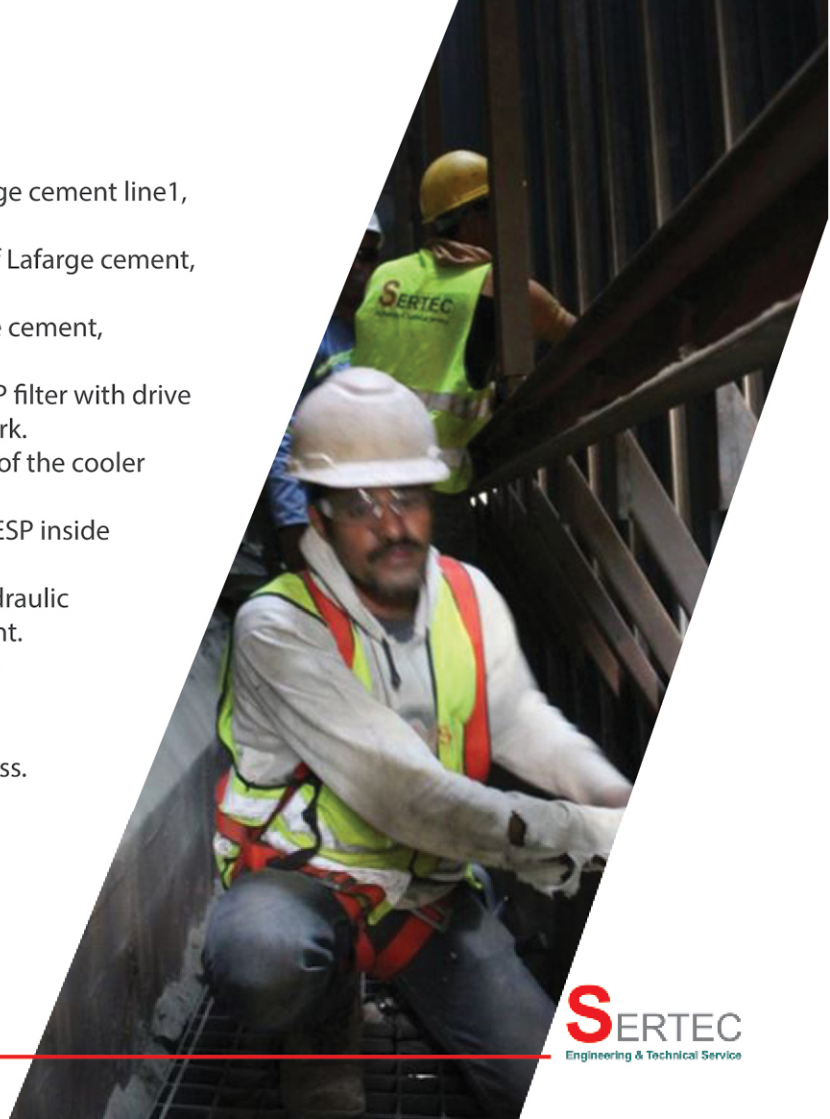
4- WEITAI Hydraulic

WEITAI
HYDRAULIC 威泰液压



Our previous experience

- Replace the inlet duct of the main bag filters for Lafarge cement line1, cooperation with FLS-AT, Denmark.
- Replace the collecting plates of the cooler ESP filter of Lafarge cement, cooperation with FLS-AT, Denmark.
- Replace the gas duct of the cooler ESP filter of Lafarge cement, cooperation with FLS-AT, Denmark.
- Replace the drag chain conveyor under the Cooler ESP filter with drive system completely, cooperation with FLS-AT, Denmark.
- Complete repairing and replacing of damage section of the cooler ESP Duct, cooperation with FLS-AT, Denmark.
- Erection of CDP plates complete lining for the cooler ESP inside (350 m2), cooperation with FLS-AT, Denmark.
- Repairing and routine maintenance for the Cooler hydraulic systems (REPOL) Lines 1,2,3,4,5 at Lafarge cement plant.
- Condition monitoring for REPOL of line 1 – measuring the volumetric efficiency of the hydraulic axial pumps of the REPOL, Line 1, Lafarge cement plant.
- Fabrication and installation of main bag filter fan access.
- Fabrication and installation of manorial steel structure of main bag filter bent house.
- Repairing and troubleshooting of cooler Hydraulic circuit in south valley cement plant.





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