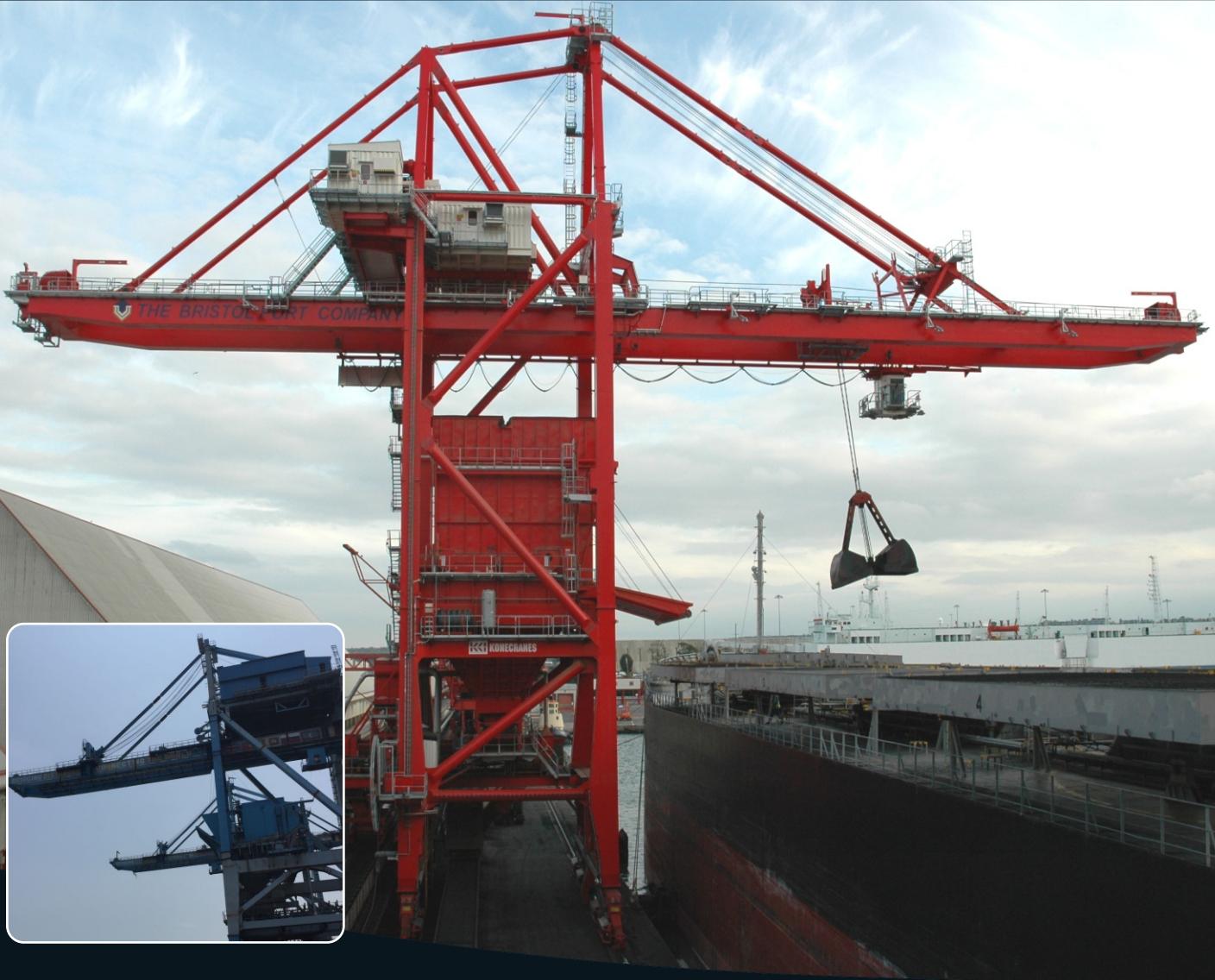




## CEMENTING RELATIONS WITH TECHNOLOGY

**STRATEGEM**<sup>®</sup>  
An ISO 9001:2015 Certified



## WE STRATEGEM INDIA

Strategem Group is the significant players in the field of revamping and modernizations in the world market for core sector industries with the scientific technologies to revamp, upgrade the working life, modernizations to get more productivity and minimizing the maintenance cost change over period, down time.

Strategem has done research and development of the revamping and modernization in various sectors like Mining, Cement, Power Plant, Steel, Port and Marine etc., to design manufacturing inspection, erection and commissioning of the specialized equipment to prove the latest technological solutions to get more productivity and less down time.

## PORT ENGINEERING

(Ship Unloader , Port Crane)

Strategem is having Scientific Technologing to Revamp & Modernized the Ship unloader with enhancement of working life. Strategem take total contract for Mechanical, Electrical & Automation of the Equipment.

Today Strategem is Awarded & Certified by many OEMs like ZPMC, TRF, FL Smidh, Terex etc in the world market.

Strategem takes Turnkey Project on Revamp & Modernized the machine with your Satisfaction.

## OUR SPECIALITY

- Consultancy
- Research, Development & Design
- Revamp Solutions
- Executions
- Operations & Maintenance
- Outsourcing
- Construction & Deconstruction



## PRODUCTION & TECHNOLOGIES

- Strategem Revamp Weld paste P-6064
- Strategem Special Sheet
- OTR & Conveyor Belt Repair
- Total Revamp of Heavy Equipment
- Construction & Dconstruction of Equipment & Plant
- Revamp & Mordernization Software Development for Core Industries
- Operations and Maintenance of Project (O&M)

## Equipment

- Mining & Construction
- Port Engineering
- Industrial Cranes

## STRATEGEM OTR CARE

This is developed with the state-art of Technology to meet the requirement of various Industries.

OTR TYRES are highly expensive and are imported from certain countries with heavy custom duty and the price. A STRATEGEM OTR CARE product has been developed with 100% research and development for the repairing of OTRs to cut downtime of equipment due to tyre damage and repairs. The KAVLAR technology of sealing objects has proved to be a perfect solution to control damages like cuts, cavities, air pockets in the trade area, Ply separation and Burst at site.

## WELD PASTE P-6064 & STRATEGEM STEEL

It is a solution to the Steel, Power, Cement, Mining Operation, Heavy Engineering and Mineral Processing Industries to avoid erosion abrasion and heavy impact to the equipment. In the current scenario maintenance has become very expensive and important.



## STRATEGEM FLUID MANAGEMENT

STRATEGEM oil cleaning system is used in case sector Industries to purify the Hydraulic Oil, Turbine Oil & Transformer Oil. The Strategem machine has unique feature like dehydration unit, de-gasification and moisture separator which removes water moisture or any other foreign particles from the oil and provides excellent quality from the contaminated oil with the help of electrostatic cleaning system.

The machine can be used for mining machineries and plant machineries, the automobile industry or any other equipment, which contains of Hydraulic of Turbine Oil.

## SOFTWARE FOR CORE SECTOR INDUSTRIES

The Software is useful for forecasting air & water qualities, metro logical parameter like temperature, humidity, rainfall and floods in water system at any particular location.

Environmental Time series is observed at a location at equal intervals of time for appreciable number of cycles with the average length of the cycle and number of cycles considered for analysis. The software is GUI and Windows-based. It is user-friendly, easy to operate, fast, efficient and capable of producing charts, graphs and histograms for proper documentation.



## APPLICATION IN CORE INDUSTRIES

### MINING

This is the area where all heavy and expensive equipment run around the clocks to achieve the production level.

Equipment are very expensive and the maintenance is equally high due to continuous abrasion, erosion and heavy impact. The normal practice is welding or patching of MS Plates on the effective area for temporary relief. Now simply apply WELD PASTE on the effective area for excellent working life. Get more productivity and minimize downtime of mobile equipment as well as mining sites like CHP, OHP, Chutes liner, Cone crusher, feeder, rollers, Apron feeder, Flap gate and transfer points.

### STEEL, POWER & CEMENT PLANTS

BOWL MILL Equipment is very expensive and plays very important role in Cement and Steel Industries. The repair of worn out areas and the segment changes frequently is quite expensive and time consuming. The Weld Paste technology is used to revamp and upgrade the capacity of the equipment.

Now many large Indian cooperates have adopted Weld Paste P-6064 technology as it has been proved that the product gives more working life to the equipment, reduces the expenditure, the down time and recurring repairs.



## Thermal Power Upgrades

Downtime is important and costly for thermal generation and the operating cost is equally high. Solutions provided play an important role in the process of thermal generation from the coal grinding to final production through turbine activation.

The bowl mill is major equipment in the thermal power generation plant which affect generation causing huge losses to the industry when it is down for repair or replacement of liners. Wed paste has become an internationally accepted maintenance and repairs solution to keep thermal power industries healthy and efficient. The total services of CHP, Re-claimer, Bowl mill, Turbine and overhaul of the complete plant can be undertaken using this technology.

## Strategem Project

The Strategem team is qualified to revamp and empower capacity of core industries to upgrade production levels.

Total Automation and infrastructure is provided for revamp of systems by a team of skilled engineers who conduct re-erection including design and civil construction at sites in many cases. Strategem undertakes turnkey projects, and aims to cater to the global market for the core.

Applications such as a waste handling site, it is not uncommon for machines to run well over 15,000 hours without changing the engine or transmission. This would be a good time for an inspection, though, as refurbishment should take place before any major failure that would cause unplanned downtime, which could occur in the middle of a heavy work cycle or large project.



## FURNACE EFFICIENCY UPGRADES

Strategem Furnaces Aftercare regularly works with customers in calculating payback periods, balancing reduced operating cost and extended life of components cost and extended life of components against the cost of upgrading. Furnace upgrading exercises are often energy related, high efficiency and fuel savings advantages are possible with modern equipment only.

Enhancements to existing equipment leading to greater safety, improved efficiency and reliability, can include:

- Replacement fuel-efficient combustion systems
- Pulse firing schemes and self recuperative burner systems
- Energy efficiency and control upgrades
- Furnace modifications for improved productivity or change of process

## RESEARCH AND DEVELOPMENT

Strategem continuously seek to innovate & to apply the most advanced technologies to revamp and upgrade the efficiency of equipment like boiler and furnace range. Developing advance environment & highly efficient solutions.

We continuously apply new technologies to complement and improve our established product range. Our innovative products provide a wide range of solutions to suit exact needs of clients, with distinct benefits in cost efficiency.

We Strategem provides Revamping & Modernizations solutions to various core sector industries and it's equipment with advance technologies.

## Revamping Of

### Power Plant

- Mill Section
- CHP/ Material Handling
- Wagon Tippler/ Wagon Loading
- Boiler/ Turbine

### Steel Plant

- Blast Furnace
- Sinter Plant/ Coke Oven Plant
- Mill Section
- SMS
- Material Handling

### Cement Plant

- Vertical Rolling Mill (VRM)
- Crusher
- Stacker Reclaimer

### Mining

- Life Enhancement of Mining Equipments
- HEMM
- Dragline/ Shovels
- Dumpers

### Off-shore/ Port/ Marine

- Off-shore Platform Equipment
- Ship Unloader
- Port Cranes
- Port Engineering

### Petrochemical/ Refineries

- Petcoke Plant
- Conveyors / Material Handlink
- Construction & Deconstruction

## Our Clients

### Metal Industries

1. Tata Steel
2. SAIL
3. Jindal Steel
4. ESSAR Steel
5. Bhushan Steel
6. NALCO
7. BALCO
8. NTPC
9. State Electricity Board

### Mining Industries

1. Coal India
2. NMDC
3. SAIL
4. Vedanta
5. OMC Orissa

### Cement Industries

1. Ramco Cement
2. ACC
3. Chettinad Cement
4. Aditya Birla Group
5. Ambuja Cement

### Power Industries

1. NTPC
2. TATA Power
3. Reliance Power
4. Adani Power

## Trusted By

ZPMC

TRF

Metso Mineral

Sany

Terex

Telestack

Krishnapatnam Port

Dhamra Port

Kandla Port

Adani Port

South West Port JSW

APM Terminal

FL Smidth

Thyssenkrupp

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