

HVAC SOLUTIONS

By Kirloskar Brothers (Thailand) Limited

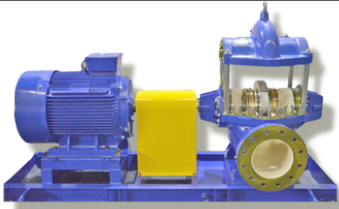
This objective in mind, Kirloskar Brothers (Thailand) Limited has started the Energy Conservation Cell wherein a team of Auditors carry out Performance Measurement of Pumps & Motors, called Pumping Systems Energy Audit.

Its helps to decide on how to budget energy use, plan & practice along with feasible energy conservation methods that will enhance their efficiency; minimize energy wastage and thereby reduce energy costs.

Poorly designed pumping system is consumed 10% extra energy cost in industry and commercial Building & construction.



Lowest Lifecycle Cost (LLC™)



Pump series especially focuses on energy consumption and maintenance cost of the pumps.

Conventional pumps efficiency drop every year 1% but LLC™ efficiency drop 1% in 3 years

Technical data

Delivery size: Up to 300 mm
Capacity: Up to 3400 m3/hr
Head: Up to 210 m
Speed: 50 Hz / 60 Hz
Temperature: (-) 10° C to 90° C
Pump model: SCT & UP

ENERGY ENHANCE PUMP COATING TECHNOLOGY

According Hydraulic Institute pumps loses 1% efficiency every year. By coating your pump we can achieve:

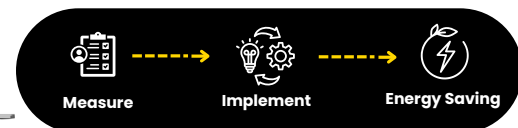
- Reduce down time (Increase MTBF)
- Improve Efficiency leads to high Energy Savings over a longer period
- Extend Equipment Life as it has higher corrosion resistance
- Reduce Capital Expenditure

IoT ENERGY MONITORING

Real-time Monitoring to provide to get optimize efficiency of the pump to determine energy consumption and operational real status. Pro-actively immediate notification for flaw operation in the current event to alarm corrective action



"Process of monitoring saving"



WHY ENERGY AUDIT ?



Over design of pumping system



Pump not selected at BEP



Degradation over the period and lack of maintenance



Conserve energy in pumping system optimized the pumpset and system through Energy Audit



OUR SERVICES

Air Cooled HX protection

Blygold treatment:

- Prevents corrosion
- Triples the lifetime
- Saves up to 30% on energy cost
- All types of air cooled HX
- Factory & Field application

Casing & Cabinet Coating

Blygold treatment:

- Protection up to corrosion class C5-M
- Extends the lifetime
- Casing, cabinets, supports, piping, flooring, etc.
- Meeting architectural demands
- Factory & Field application

Refurbishment & Rejuvenation

Blygold treatment:

- Rejuvenation with minimal inconvenience
- Optimization of existing equipment
- Add on to standard maintenance
- Simplifies afterwards maintenance
- Lifetime extension up to 15 years!
- Usually less than 35% of replacement costs

Blygold Thailand

We aim to be the global market leader in the development and application of high quality and durable (sustainable) corrosion protection, energy saving and lifetime extending products and services for the HVAC industry.

Segments HVAC Business

- Hotels
- Malls
- Hospitals
- Metro
- Airports
- Pharma
- Chemicals
- Auto Mobile

Benefits

- Lifetime extension
- Energy saving & Eco Friendly
- Life Cycle Cost reduction
- Maintenance friendly
- Corporate Social Responsibility



BEFORE **AFTER**

