PT. KARTIKA SIGMA INDONESIA

Electrical – Mechanical Rotating Machinery

– Services & General Trading

Our quality objective are:

To Satisfy the customer

Meet the customer requirement

Company Profit

Office & Workshop

Komplek Perkampungan Industri Kecil (PIK)
Blok E. Gedung UKM
JL. Penggilingan Raya Cakung
Jakarta Timur 13940

Phone ☎ (62-21)46833614, 46832779
Fax : (62-21)46822127, 468327789
E-mail : ksiworkshop@yahoo.com
PT. KARTIKA SIGMA INDONESIA is structured to provide a combination of related professional and technical services, thereby offering our clients a ‘one-stop-shop’ opportunity.

Our industrial technical services include:
- Electrical motor services.
- Generator services.
- Transformer services.
- Gas & diesel engine installation & services.
- Exhaust-gas turbocharger services.
- Pump for refinery services.
- Compressor for refinery services.
- Commissioning for electrical & mechanical services.
- Corrosion control & piping services.

PT. KARTIKA SIGMA INDONESIA consist of group of professional engineers and technicians, well known in the industry, providing clients with services to match their specific needs. The free-flow on information between divisions ensures promote services and flow-up. Our company structure minimizes personnel turnover, favoring client relationship and competitive rates.

The scope of our services cover petrochemical, manufacturing industries and power generation authorities.

The company and its loyal workforce look forward to becoming a major provider of high quality, skilled engineering services to all Indonesia heavy industry.

Company :
PT. KARTIKA SIGMA INDONESIA

Contact persons :
Endang Madna FBS.
Director

Aan Andrianingsih
Finance

Registration
TDP : 0904.1.5.8655
Domisili : 31/1.824/II/2009
NPWP : 02.010.223.2-004.000
SIUP : 110/09-05/PM/II2003

Office & Workshop :
Komplek Perkampungan Industri Kecil (PIK)
Blok E. Gedung UKM
Jl. Penggilingan Raya Cakung
Jakarta Timur 13940

Phone : (62-21) 46833614, 46832779
Fax : (62-21) 46822127,468327789
E-mail : ksiworkshop@yahoo.com

ELECTRICAL
- Repair, overhaul & rewind rotor & stator of low, medium and high voltage AC motor & generator
- Repair, overhaul & rewind of DC generator including gear motors.
- Repair, overhaul & rewind of traction motor and generators.
- Repair, overhaul & rewind of low, medium & high voltage distribution and power transformer.

MECHANICAL
- Repair, overhaul of gas and diesel engine.
- Services of exhaust-gas turbocharger.
- Repair, overhaul of single or multi stage pumps.
- Repair, overhaul of screw and reciprocating compressor.
- Repair, overhaul of valves.
- Dynamic balancing, vibration analysis and Alignment of rotating equipment.
- Metal & ceramic coating.
- Application of corrosion coating on pump, impeller and pipe lining.
- Cast iron welding and other special metal welding.
**Electrical Equipment**

- BAKER - Surge test equipment 0-12 kV
- kV AEMC - Megger test equipment
- HIPOTRONIC - Hi pot test equipment
- IRD - Vibration analyzer - Dynamic balancer
- Electrical running test, load and no load test bench 6 kV up to 500 kW
- ACE - Heavy duty coil winding machine
- STOLLBERG - Automatic coil winding machine
- SKF - Bearing heater
- Baking oven, 1x1x1 m
- Baking oven 2.5x2.5x3 m
- PVI - Pressure vacuum impregnation
- Brazing Equipment up to 1.200 Amp
- AEMC - Megger test equipment

**Mechanical Equipment**

- Horizontal borer with digital read out system
- Universal lathe machine up to 6 m
- Universal milling machine
- Radial drilling machine
- METCO - thermo spray set equipment
- SELECTRON - metal coating system
- ABUS Overhead travelling crane 25 & 10 tons
- INGERSOLL RAND - Air compressor 375 cfm
- MILLER - Welding machine 500 & 250 Amp
- CLEMCO - blasting machine & equipment
- GRACO - Airless spray painting
- ELCOMETER - DC holiday detector.
- Valve repair and hydrostatic test bench
- LARSLAP - Valve grinding & lapping
- Turbo charger overhaul special tools

**Customer List**

**Electrical**

- AZKO NOBEL
- ARDILAYA TIRTA
- ARISTA MOTOR
- ADYTAMA KARYA KERAMIK
- ARGA KARYA INDUSTRI
- ASTRA OTO PARTS Div. Nusa Metal
- ASTRA HONDA MOTOR Tbk
- BAKRI PIPE INDUSTRTY
- BASUKI PRATAMA ENGINEERING
- DIAN RAKYAT
- FIESSET WAHANA SOLUSI INTEGRASI
- GEMALA CONTAINER
- INDOPOLY SWAKARSA
- IGAR JAYA
- JAKARTA Cakra Tunggal
- KREASI DASATAMA
- LATINUSA
- LANGGENG AYOM LESTARI
- MAXINDO DAYA WIGUNA
- MITRA MEGA PERKASA
- PELITA PERTAMINA JAKARTA
- PUTRA BANGUN BERSAMA
- PURI INDRA BAYU
- PAM LYONNAISE JAYA (PALYJA)
- RATU BIRU SAKTI
- RRI CIMANGGIS
- SENTRAL JAYA TEKNIK
- SERULING MAS
- SKF INDONESIA
- SUMI INDO CABLE

**Mechanical**

- ANDHIKA BINAGKIT
- ASTRA HONDA MOTOR Tbk.
- BJ SEVICES
- CAHAYA PUTRA KENCANA
- CONTINENTAL CARBON
- CSR PRIMA KARYA
- DWI ARITA NUGRAHA
- DYASTAR INDONESIA
- GUNUNG GARUDA
- INDAH KIAT
- KARYA ADIL INSANI
- KEBON AGUNG
- PENGGERUKAN INDONESIA
- PELITA PERTAMINA JAKARTA
- PETROTEC AIR POWER
- PG JATI TUJUH
- PULO GADUNG STEEL
- SAYAP MAS UTAMA
- SEMEN CIBINONG
- YUPITER
QUALITY POLICY

1. Each employee is responsible for the quality of his / her work. The efforts of every employee are directed towards active contribution to the quality of our products and services. Consideration of customer benefits has highest priority.

2. The assurance and attainment of agreed upon quality goals for function and processes, and the encouragement of quality awareness through information and training of employees, are important task at all leadership levels.

3. We are offer the product quality and our goals is “meet to customer requirement, customer satisfaction and company profit”

4. Cooperation between customer in quality related technology and processes is becoming ever closer. When contracting with external supplier and services, the contracting is responsible for surveillance of agrees measures to assure quality.

Endang Madna FBS
Director
We overhaul and rewinds

- AC and DC drive motors.
- Flame proof motors.
- Hermetic motors.
- Submersible motors.
- Alternators.
- Fan motors.
- Compressor motors.
- Pump motors.

Quality electrical work for all industries.
Reliability, the key to effective services

Rewinding processes

Electrical machine services to the high standards of world’s best practice
KSI have total repair capabilities for large generators and high voltage motors.

Overhaul DC motor 3.5 MW, 16 poles

Coil being received from OEM

Skimming commutator

Rewinding rotor AC generator

Reassembly motor being done

Electrical test

Rotor in large 18 tonne balancing machine
Our services can include Treatment of: core, windings, tank, cooling system, tap changers and Oil.

Reassembly of coils

Reconnection has being done

Electrical test

Overhaul of transformer

Oil treatment processing

Oil treatment

Vacuum pressure heater for transformer oil distillation is provided with capacity 6000 liter per hours.

Repair of tank cooling system
Mechanical activities include:

- Dynamic balancing to ISO and API Standards
- Repair and overhaul of:
  - Pumps
  - Screw compressor
  - Gear boxes
  - Gas & diesel engine
  - Turbocharger
- Metco metal spraying
- Coating
- Sandblasting
- Marine painting
- Metco metal spraying
- Valve repair and testing

Blower rotor in large 18 tonne dynamic balancing machine

TIG welding rotor bar

Traction stator being machined

Screw compressor as receive

Shaft journal bearing being metal sprayed

Rotor in lathe for machining
To supporting in total refurbishment of power house or power plant, we provided technical services for turbocharger included spare part supply.

**Turbo charger complete after repair.**
Complete repair of Turbocharger, running test and commissioning after overhauled at site.
To supporting in total refurbishment of power house, we provided technical services for engine included spare part supply.

**On site service.**

Complete overhauls of engine, running test and commissioning. The expertise we offer is responsive, effective and our tooling resources are extensive.
Single Stage Pumps

The complete pump service.

KSI workshop have comprehensive facilities for the overhauling and repair of pumps to achieve of best quality.

Impeller and casing before and after reconditioning

Anti corrosion processes.

Application of anti-corrosion coating on pump housing and impeller

Casing and Impeller coating processes

Machining and dynamic balancing of impeller

Receive as original condition

Pump being process reassembly
Multi Stage Pumps

Pump being process reassembly

Receive as original condition

Shot blasting impeller

Mechanical run out

NDT Inspection

As receive inspection

Multi stage pump rotor being balanced

Impeller in lathe for machining

The complete pump service.

Dynamic balancing, blasting and coating such are multy cycle of main equipment’s to fully supporting of mechanical works. We provided those equipment to achieve of best quality.