



# STK DYNAMIC ENGINEERING

## Company Profile

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STK Services  
summarized .pdf





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# COMPANY BACKGROUND

STK Dynamic Engineering Sdn. Bhd. is based in Klang, Selangor and has been in operation for over 20 years now. We specialize in AC/DC Drive repairs, Thermography Inspection, PLC upgrading, Industrial Automation as well as supply Testing & Measuring Instruments.

Over the years, we have worked hard to gain recognition and acceptance from clients and can proudly say we have built up a client base of some reputable companies who are in the sea port business as well as power and engineering industries. Our experience in preventive maintenance have saved our clients from costly equipment breakdowns and shutdown times.

At STK, we strive for WIN – WIN situations. We are ready to act as your partner, consultant, or sole engineering services source. STK will accommodate your needs through customized assistance specifically to increase your service quality while at the same time finding ways to reduce your costs.

If you have a particular technical or engineering need, STK has the knowledge, expertise & facilities for it and if it's something out of the usual, we will make every effort to learn and implement as soon as possible.

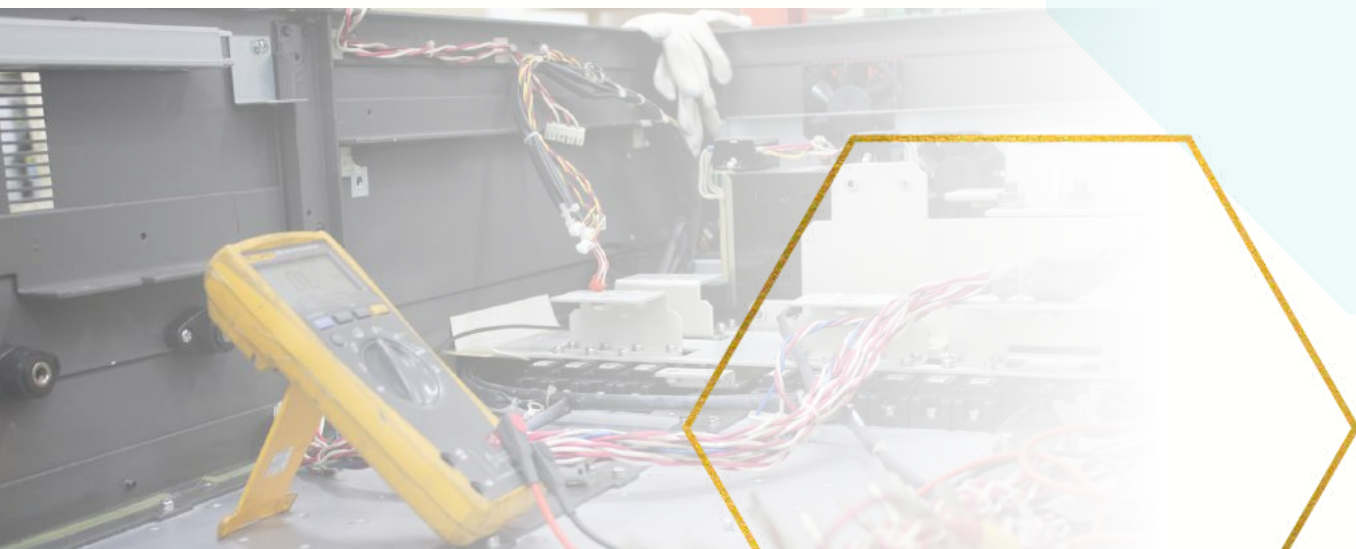


## VISION

To be the largest preventive and corrective maintenance service provider in Malaysia

## MISSION

To provide the most efficient & cost saving preventive and corrective maintenance services without compromise in quality for our clients



# COMPANY INFORMATION



Company Name	STK Dynamic Engineering Sdn Bhd
Company Reg. No	542372-D
Corporate Status	Private Limited Company
Date of Incorporation	20 Mac 2001
Address	192A, Persiaran Pegaga, Taman Bayu Perdana, 41200, Klang, Selangor
Phone	03-3323 3191 / 3574 011 5754 2300
Website	<a href="http://www.stkelectronics.com.my">www.stkelectronics.com.my</a>
Email	<a href="mailto:enquiry@stkelectronics.com.my">enquiry@stkelectronics.com.my</a> <a href="mailto:procurement@stkelectronics.com.my">procurement@stkelectronics.com.my</a>
Bankers	Public Bank Berhad OCBC Al-Amin Bank Berhad
Auditor.	Inpana & Associates

# SATION



- Field Engineer
- Operation Technician 1
- Operation Technician 2
- Operation Technician 3
- Operation Technician 4



# Quality & Safety Policy

The management of STK is committed to safeguarding the health and safety of all its employees and subcontractors. STK always maintains the safety integrity of services provided to clients and perform the job as responsible citizens in all area of work. The objective of this policy is to prevent any event that may lead to unsafe situations.

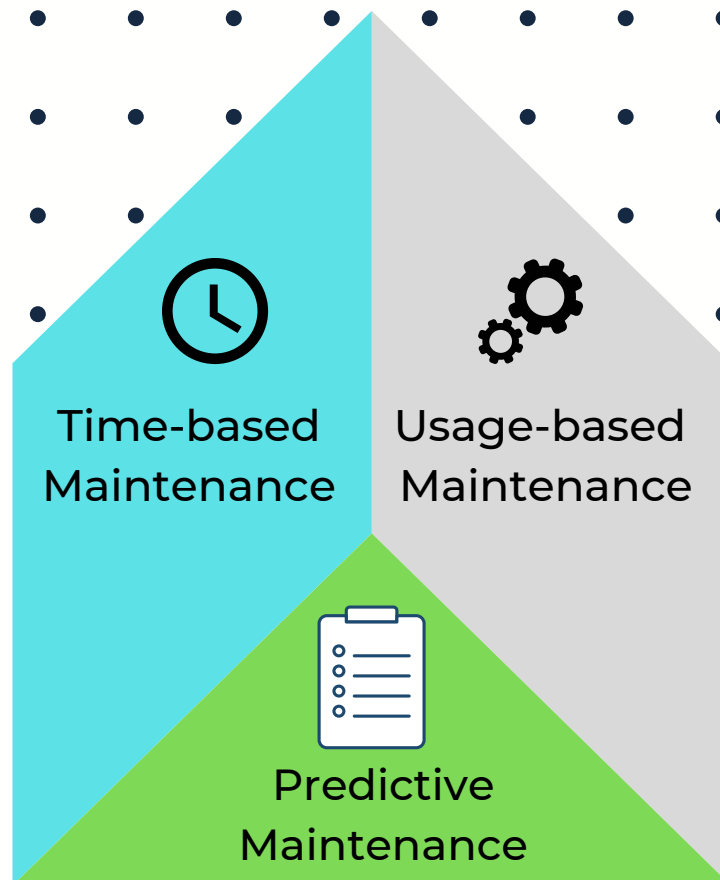
- STK has a 'zero tolerance' policy for unsafe acts and conditions by ensuring timely reporting of all jobs done to management for review and preventive decisions.
- STK commits to constant improvement in quality and safety management of workplace and employees.
- Regular safety briefings to instill in all employees the responsibility to work in a way that ensures their own safety and that of their colleagues and to encourage them to intervene in unsafe acts or situations.
- Annual review of the safety measures to ensure safety policy is in line with new work location or working conditions.



# Our Services

## PREVENTIVE MAINTENANCE

We provide  
**Preventive Maintenance Contract**  
to maintain your assets.  
We have **3 types** of Preventive Maintenance:





# Our Services

## PREVENTIVE MAINTENANCE

Of course, one of the most obvious **benefit of implementing preventive maintenance** is that you're more likely to **stay ahead of problems** before they occur.

That's the whole point, right? But if you're still not convinced, there are a few specific **advantages** you may want to consider:

1. Preventive maintenance will decrease business downtime and closures due to unexpected equipment failures.
2. Preventive maintenance will increase equipment life expectancy, so you'll spend fewer dollars in the long run.
3. Preventive maintenance will ensure all equipment and employees work only during scheduled hours, eliminating the need for paying overtime due to unexpected machinery breakdowns, etc.
4. Preventive maintenance will significantly reduce safety risks for employees and customers, thereby reducing the costly risk of lawsuits and workers' compensation.
5. Preventive maintenance means less energy consumption for your assets and equipment due to high levels of operational efficiency, which will reduce your utility bills.

# Our Services

## INDUSTRIAL ELECTRONIC REPAIR

### AC/DC INVERTER (VFD) REPAIR AND REFURBISHMENT

WE REPAIR INVERTERS UP TO 500KW COMPLETE WITH IN-HOUSE TESTING AND COMMISSIONING

### PCB REPAIR

WE CARRY OUT REPAIR ON ALL TYPE OF PCB'S INCLUDING SMD AND COMMUNICATION CARD.

### INDUSTRIAL EQUIPMENT REPAIR

WE REPAIR NEARLY ALL INDUSTRIAL EQUIPMENTS SUCH AS POWER SUPPLY, PLC, HMI, CONTROLLER, SENSORS, TEST EQUIPMENT ETC.



# Our Services

## NON-DESTRUCTIVE TESTING

### THERMOGRAPHY

INFRARED THERMAL IMAGING TO IDENTIFY POSSIBLE FAILURE EARLY, TO IDENTIFY ELECTRICAL LOOSE CONNECTION LV AND HT, ARCHING AND SPARKING, PIPELINE BLOCKAGE, IMPROPER HEAT DISSIPATION (TRANSFORMER COOLING COIL) ETC.

### VIBRATION ANALYSIS

IDENTIFY VIBRATIONS FROM MOTOR, BEARINGS OR ANY POSSIBLE SOURCE WHILE MACHINE IS UNDER OPERATION AND RECTIFY BEFORE FAILURE

### CONDITION MONITORING

A PREDICTIVE MAINTENANCE WHERE WE COLLECT DATA REGARDING CERTAIN MACHINE OR THE WHOLE OPERATION AND ESTABLISH TRENDS, PREDICT FAILURE AND CALCULATE REMAINING LIFE OF AN ASSET

# Our Services



## AUTOMATION SOLUTION



### PLC/HMI PROGRAMMING AND TROUBLESHOOTING

WE WRITE PROGRAM FROM SCRATCH TO CATER CUSTOMERS NEEDS OR TROUBLESHOOT EXISTING PROGRAM TO IDENTIFY FAULT OR MODIFY

### UPGRADING OLD SYSTEM TO FULLY AUTOMATED

WE WILL UNDERSTAND CURRENT SYSTEM TO CREATE A FULLY AUTOMATED SYSTEM WITH PLC/SCADA TO REDUCE MANPOWER AND ERRORS WHILE INCREASING EFFICIENCY

### DESIGNING ENERGY/COST EFFICIENT SYSTEMS

WE DESIGN OUR OWN PROGRAM/CONTROLLER TO IMPROVE EFFICIENCY AND SUSTAINABILITY OF EXISTING OPERATION

### IMMEDIATE SOLUTION PROVIDER FOR BREAKDOWN

WE ATTEND BREAKDOWN AND PROVIDE IMMEDIATE SOLUTION TO CONTINUE PRODUCTION BY MINIMISING DOWNTIME



# Project List

- Carry out AC / DC Variable Speed Drives Inspection, Maintenance & Repair
- Carry out AC / DC VFD / Inverter Overhaul & Repair (Short Circuit, 80% damage)
- PCB, PLC, I/O Card & Communication Card Repair
- AC / DC Inverters Reconditioning / Service, Health check & Fault Analysis
- Carry out Fibre Optic Splicing, Termination & Transmission test
- Reliance Electric DPS Power Module Servicing / Inspection
- Reliance Electric Field Power Module Servicing / Inspection
- Control Room Panel Servicing / Inspection
- Motor Control Center Panel Servicing / Inspection
- Drive Contactor Inspection / Replacement
- Power Factor Control Panels Inspection / Servicing / Repair
- Port Inductor Panels Servicing, Capacitor Inspection & Replacement
- DMC Computer Station Servicing
- UPS System Repair, Inspection / Servicing
- Electrical System Installation / Servicing / Inspection
- Electrical Maintenance - (Contract in SK (saddle Carrier))
- To Relocate the CLA Module from Engine Side Junction Box to Cabin Panel
- Transmission Gear Shift Project for Straddle Carriers.
- To supply Electrical labors to replace cables and cable lugs for Spreader - Q-Crane.
- RTG Intercom System Repairing, Service & Maintenance.
- Infrared Thermography Inspection for panels at 3 premises of Government Institution.
- Infrared Thermography Inspection for all port cranes as preventive fault finding.
- Earth grounding project for 2 acre area factory.

# Our Work



## 315kW FRN INVERTER

- Carrying out diagnostic checks & measurements to pin-point the exact fault

## THERMOGRAPHY INSPECTION

- Identifying loose connection to tackle machine failure/fire outbreak before it happens

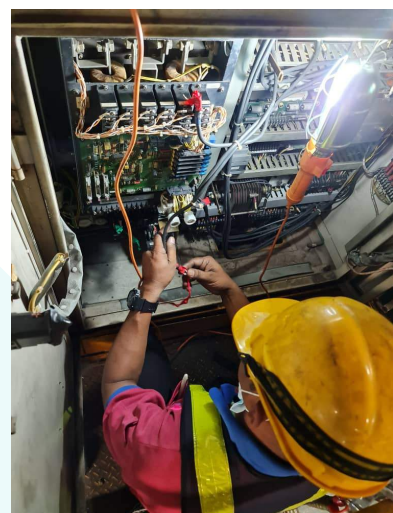


## PLC PROGRAMMING

- On-site troubleshooting on PLC program to identify the source of problem & rectify immediately

## ELECTRICAL PANEL UPGRADE

- Incorporating new system with existing system and rewiring
- Saves cost on upgrading complete system





# Our Long-Term Clients



**BANK NEGARA MALAYSIA**  
CENTRAL BANK OF MALAYSIA



[illegible]

No. Seri: A42720



**HRDF**  
Human Resource Development Fund

## SIJIL PENDAFTARAN PENYEDIA LATIHAN

AKTA PEMBAUNGAN SUMBER MANUSIA BERHAD, 2001

**STX DYNAMIC ENGINEERING (M) SDN. BHD.**

adalah dengan ini didaftarkan sebagai penyedia latihan di bawah  
Kumpulan Wang Pembangunan Sumber Manusia

Tarikh Diluluskan	Tarikh Tamat
27.02.2026	26.02.2023

26.02.2023

Tarikh Diluluskan

Pembangunan Sumber Manusia Berhad





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542372-D

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