



SMART E LIFE SOLUTIONS

# Electromagnetic & Lightning Risk Engineering

**Prevent System Failure Before It Happens**

***Smart solutions for Lightning & Electromagnetic Risk Management***

Many industrial facilities experience unexplained system trips, equipment malfunction, and downtime. In most cases, the root cause is not mechanical — it is electromagnetic interference (EMI) and lightning-induced effects.

We help you identify, quantify, and eliminate these hidden risks.



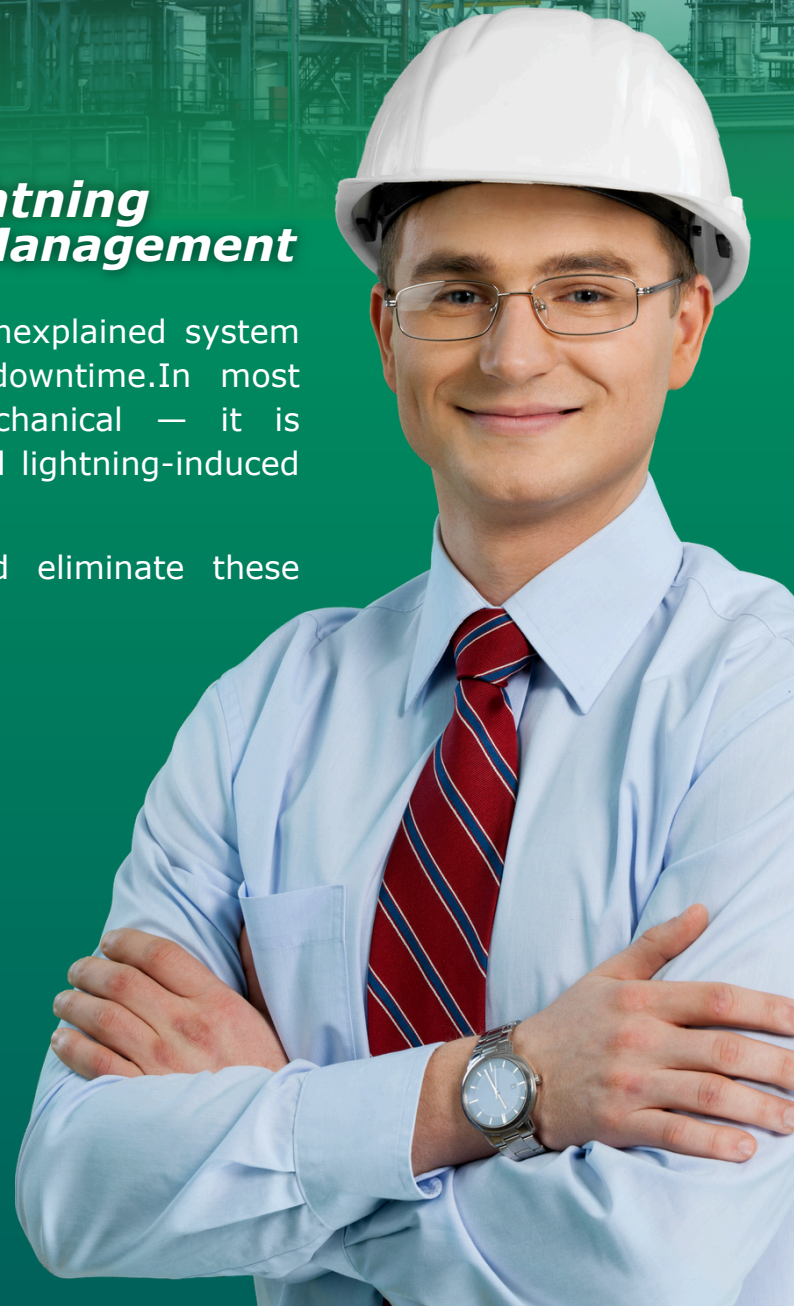
Reduce Downtime



Improve reliability



Protect critical systems



# Are You Facing These Problems?



**Reduce downtime**



**Equipment malfunction or errors**



**Power trips during storms**



**Hidden risks in your facility**

**These are often caused by lightning & electromagnetic interference**

## What We Do

Our service combines EMC and lightning engineering into one integrated solution:



*On-site electromagnetic field measurement (V/m, dBm)*



*Conducted and radiated EMI analysis*



*Grounding system performance evaluation*



*Lightning-induced interference assessment*

Based on international standards:



IEC 61000  
(EMC)



IEC 62305  
(Lightning Protection)

## What You Will Gain



**Root cause  
identification**



**Risk level  
evaluation**



**Practical  
engineering  
solutions**

## Why choose Smart E Life Solutions

**Most companies only provide testing. We provide answers.**

### Others

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Measure data

Provide generic reports

### Our Company

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- ★ **Identify root cause**
- ★ **Quantify risk**
- ★ **Link EMI to system failure**
- ★ **Recommend targeted solutions**

## Typical Applications:

- **Substations**
- **Oil & Gas facilities**
- **Control rooms**
- **Industrial plants**
- **Data centers**



# Book Your Assessment

Start with a simple risk screening to identify hidden electromagnetic threats in your facility.

## Service Options:

-  **Basic Screening**
-  **Full EMC & Lightning Risk Assessment**
-  **Failure Investigation**
-  **Continuous Monitoring**

**Contact us today for consultation**


**Name** : \_\_\_\_\_

**Company** : \_\_\_\_\_

**Phone** : \_\_\_\_\_

**Email** : \_\_\_\_\_

 TG-LG-04 & TG-LG-03,  
UTM-MTDC Technovation Park  
Skudai, 80990 Johor Bahru,  
Johor, Malaysia

 + 6014 910 6631  
Monday to Friday, 8 am to 5 pm

 [smart.elifesolutions@gmail.com](mailto:smart.elifesolutions@gmail.com)

 [www.smart-elifelife.com](http://www.smart-elifelife.com)

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