THE BUSINESS CASE FOR EDIS

Introduction:

This paper explores the challenges of managing electrical compliance in large estates like hospitals, universities, and government buildings. These tasks are complex, with fragmented data, outdated systems, and the high stakes of cost, efficiency, safety and legal compliance.

EDIS is an online portal that provides a process and system for better electrical compliance management, it automates the handling of electrical schedules, electrical certificates and provides a 360-degree view of all electrical data

For organizations managing large estates, EDIS turns the disorder of electrical compliance into a structured, efficient, and automated process. It's not just about meeting regulations; it's about creating a culture of continuous improvement.

Key Problems in Electrical Compliance:

1. **Complexity and Fragmentation**:

    o Regulations like the Electricity at Work Regulations (1989) and BS7671 are extensive, making compliance for large programmes of testing difficult.

    o Compliance data (certificates, inspection reports) is often scattered across systems, locations, or even physical files.

2. **Consequences of Non-Compliance**:

    o Non-compliance, at worst, can lead to safety hazards, legal penalties or disasters like electrocution or fires.

    o At best non-compliance can feel overwhelming – with vast number of PDF documents and working in an ad hoc manner without a scalable databases, reports and tools.

3. **Overwhelming Workload**:

    o Managing thousands of circuits across multiple buildings is labour-intensive, prone to errors, and costly in terms of time and resources.

The EDIS Solution:

EDIS (Electrical Data and Information System) centralizes and automates compliance management to make the process efficient, accurate, and proactive.

1. **Centralized Data Hub**:

    o Stores all electrical compliance information in one cloud-based system, accessible from anywhere.

    o Eliminates the chaos of scattered paperwork and outdated systems.

2. **Time Savings and Automation**:

    o Reduces administrative workload by up to 60%.

    o Automates 16 key processes like data entry, certificate generation, and report creation.

3. **Error Reduction**:

    o Eliminates manual data handling, reducing human error.

    o Generates accurate compliance certificates and documentation automatically.

4. **Proactive Alerts and Tracking**:

    o Sends reminders for inspections, expiring certificates, and overdue work.

- o Tracks remedial actions to ensure issues are resolved.

5. **Enhanced Field Efficiency**:

   - o QR codes on distribution boards provide instant access to board details and inspection history.

   - o Automatically generated single-line diagrams help visualize electrical systems for easier planning and troubleshooting.

6. **Improved Decision-Making**:

   - o Data-driven insights empower smarter decisions, from maintenance schedules to major renovation projects.

   - o Moves from reactive to proactive management, anticipating problems before they arise.

The EDIS Compliance Cycle: A continuous 8-step process ensures thorough and ongoing compliance:

1. **Assess Current Status**: Inventory electrical assets and documentation.

2. **Create a Plan**: Develop a roadmap for testing, prioritizing risks, and setting goals.

3. **Conduct Inspections**: Digital tools streamline data capture during inspections.

4. **Generate Certificates**: Automate certification with pre-populated, accurate data.

5. **Manage Documents**: Centralize storage and create work orders for identified issues.

6. **Track Remedial Work**: Assign, monitor, and ensure completion of corrective actions.

7. **Receive Alerts**: Get reminders for inspections, expiring certificates, and overdue work.

8. **Repeat**: Embed a culture of continuous improvement.

Conclusion:

EDIS is more than a compliance tool; it's transformative process and system for continuous improvement in electrical safety.

By streamlining workflows, improving accuracy, and enabling proactive decision-making, EDIS saves time, money, and lives- creating safer and smarter working environments.