

# EDIS

**POWERS**

**SMARTER**

# E I&T

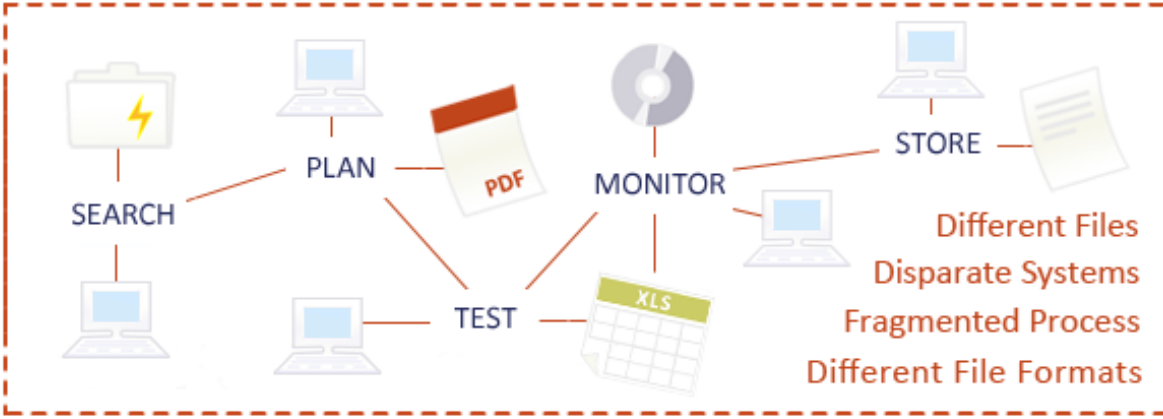
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# PROBLEM: THE CURRENT PROCESSES ARE BROKEN

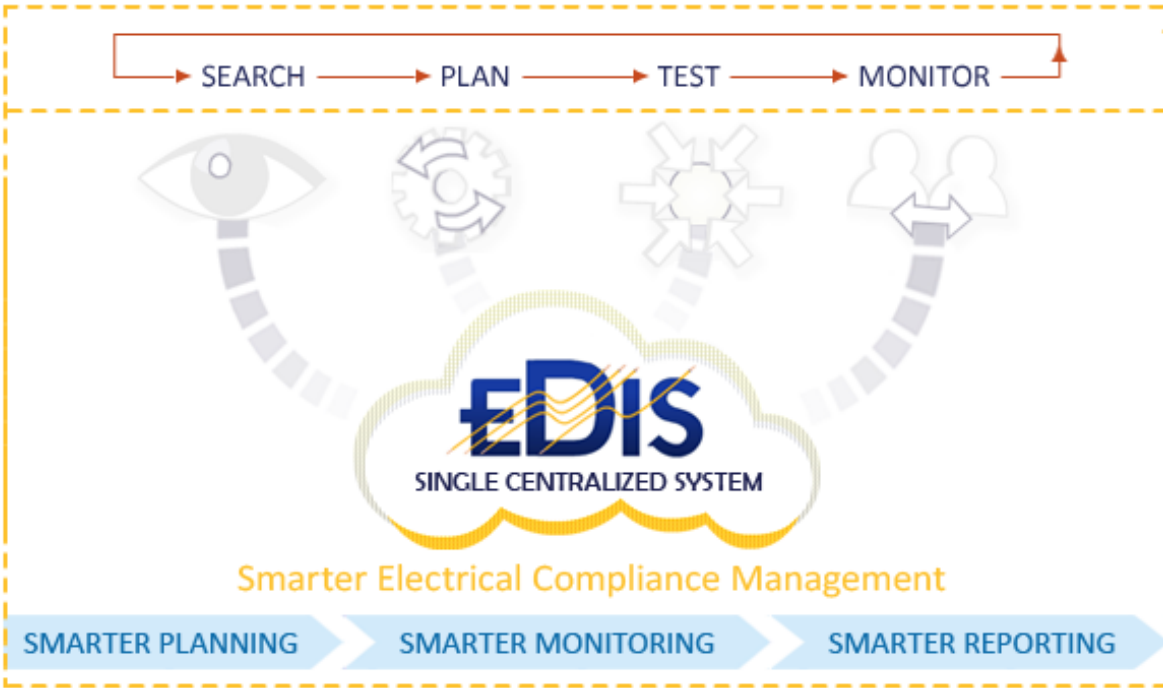
SEARCHING      PLANNING      TESTING      MONITORING      STORING  
electrical certificates - distribution board schedules - test results - electrical schematics - next test date

BEFORE ↘



a broken electrical compliance process that uses disparate systems....

AFTER ↘



An efficient, electronic process that meets all stakeholders' requirements, providing a central repository for storing, editing, planning and reporting

The process is broken but it can be fixed, however there are challenges

# KEY CHALLENGES IN THE SMARTER EI&T

SEARCH

PLAN

TEST

MONITOR

LV electrical distribution systems have a **LARGE** volume of data - this can make the job of planning, testing and monitoring a data intensive task a major challenge

## SEARCHING FOR DATA and DOCUMENTS

**Challenge:** Where is the list of boards? Where are the boards? How many circuits? Which are the high risk boards? What circuit feeds which room?

## PLANNING THE PROJECT

**Challenge:** Which circuits are due for testing, What was tested last, where is the highest risk, what is practicable, where are the documents?

## TESTING 10's, 100's or 1,000's OF CIRCUITS TO BS7671

**Challenge:** What test has been done (Zs, IR, polarity, RCD), How do I track the faults?, Have the faults been addressed?

## MONITORING

**Challenge:** Tracking the status, Which areas, which circuits, which tests, how much still needs to be tested?

**Each of these challenges needs to be addressed...**

# EDIS powers Smarter E,I&T



Automate as much as possible - updates board and circuit details when certificate is completed, update compliance reports, update planned testing dates

- What do we need to test?
- When do we need to test it?
- Where is the data?
- What is the status?
- Where are the risks?
- Are we spending unnecessarily?
- Where do I store the certificates?
- How we efficiently collaborate?

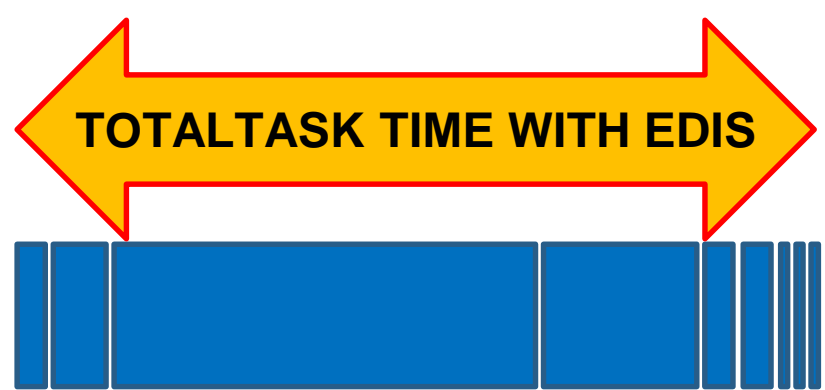
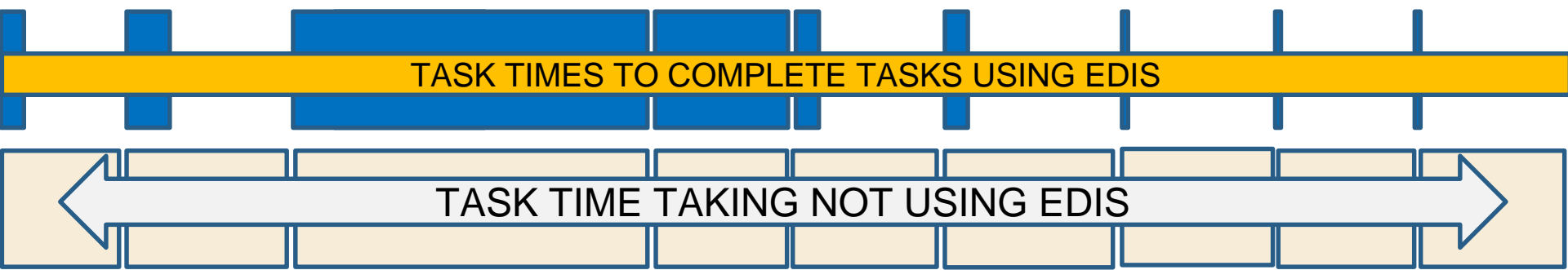
# Smarter EI&T Saves Time and Money

Risk  
Cost  
Time

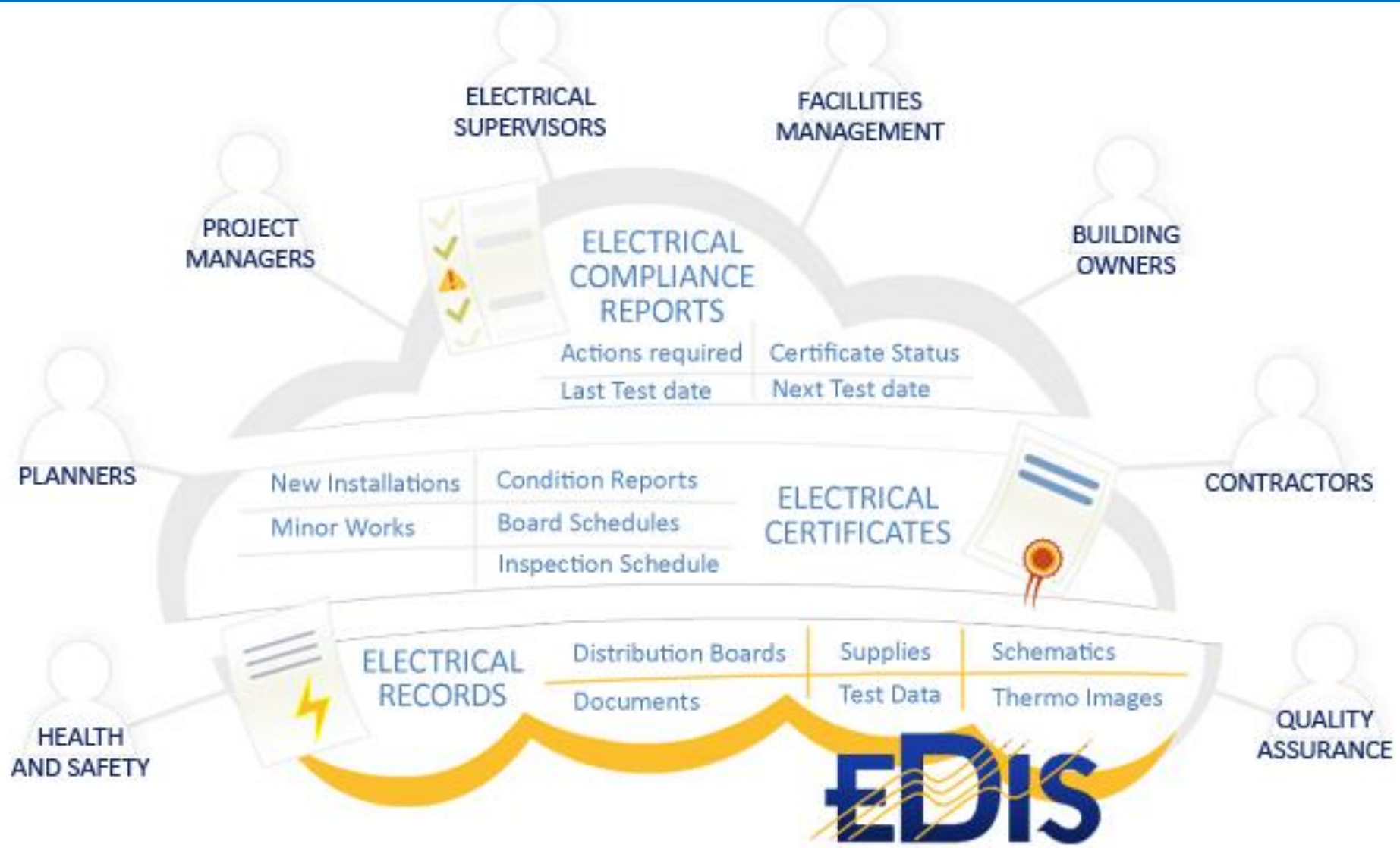
Plan the E&IT	Smarter EI&T is a data driven, risk based planning process supported by a system that automates as many of the data gathering, management and manipulation steps as possible. Having data and automation saves time and cost.
Capture the Board & Circuit data	Board and circuit data is captured <b>once</b> then re-used for certificates, compliance planning, risk management, distribution board schematics, and faults and improvements tracking. Re-use of data saves time and cost
Do testing	Testing approaches differ based on the risk: Tests can be 100%, sample tests or other exclusions and limitations – a data driven approach that tracks tests circuit by circuit, reducing the time and administration required for managing the testing process - saving time, cost and reducing risk
Update a certificate	Certificate data can be huge – a system that provides a workflow, data management, data backup and re-use of common data saves time and reduces the cost of data manipulation.
Review certificate & Complete	An automated data driven workflow that tracks and alerts the status of certificates enables electricians and qualifying supervisors to collaborate in completing the certificate to the required standard. Sharing documentation, tracking status and reporting faults.
Management of Faults and Errors	Tracking the test results and observations across an estate is essential to reducing the risk, a data driven and automated process will reduce risk through better controls, reduce administrative costs and reduce the time to identify and correct the faults.
Updates to the Boards & CCT data	On completion of the certificate distribution board schedules, distribution schematics need to be updated – a data driven workflow will provide these results at the click of a button.
Distribute the certificate	A data driven and integrated system will ensure the certificates is delivered and shared with the right stakeholders automatically and instantly – reducing time and cost by eliminating CD's, emails and other ways of distributing the certificate.
Completed Cert & Data archived for reuse	Smarter EI&T ensures all data is backed up, archived and available for reuse to all stakeholders. Compliance managers, project managers and engineers can re-use the data to make their tasks faster and easier, saving time and money



# EDIS Powers Smarter E&T - Saving Time and Money



# A cloud based service - with no IT support required



Electrical Distribution Information System

# BUSINESS DRIVERS



## COSTS

- Better planning and tracking reduces the costs of unnecessary testing.
- Better monitoring ensures that test costs and payments are correct
- Audit trail provides accountability and ensures accuracy



## RISK

- Accurate records and workflows ensure better risk management
- Better planning ensures the highest risk items are addressed soonest
- Better records ensure remedial actions are not missed



## TIME

- Reduces management time required to collect and manage records
- Reduces management time to plan the electrical testing projects
- Reduces time in auditing and evaluating the work completed
- Reuse of data reduces re-keying of existing data

**A large hospital can have <1,000 boards, which translates to more than 20,000 circuits. Each circuit needs to be tested based on its risk criticality**

**EDIS reduces the cost, risk and time associated with the management of these records.**





THANK YOU

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