

Take Control of your Outdoor Lights on your Fingertips

Outdoor Lights play a very important role in any infrastructure from safety & architectural point of view. And at times outdoor lighting management becomes a painful process specially in a large infrastructure. Same was the experience of one our client whose corporate park was spread across area of 500 acres.

Customer Background

 **Client** - Reliance Corporate Park (RCP)

 **Industry** - Conglomerate

 **Location** - Navi Mumbai

 **Office Area** - 500 Acres

 **Outdoor Lighting Fixtures** - 6000+

 **Lighting Feeder Panel** - 100+



How were electrical operations carried out?



Lighting control

Conventional Digital Time Switch was used.



Daily Operations

Manual on-site operation required for timing changes and event lighting.



Fault Identification

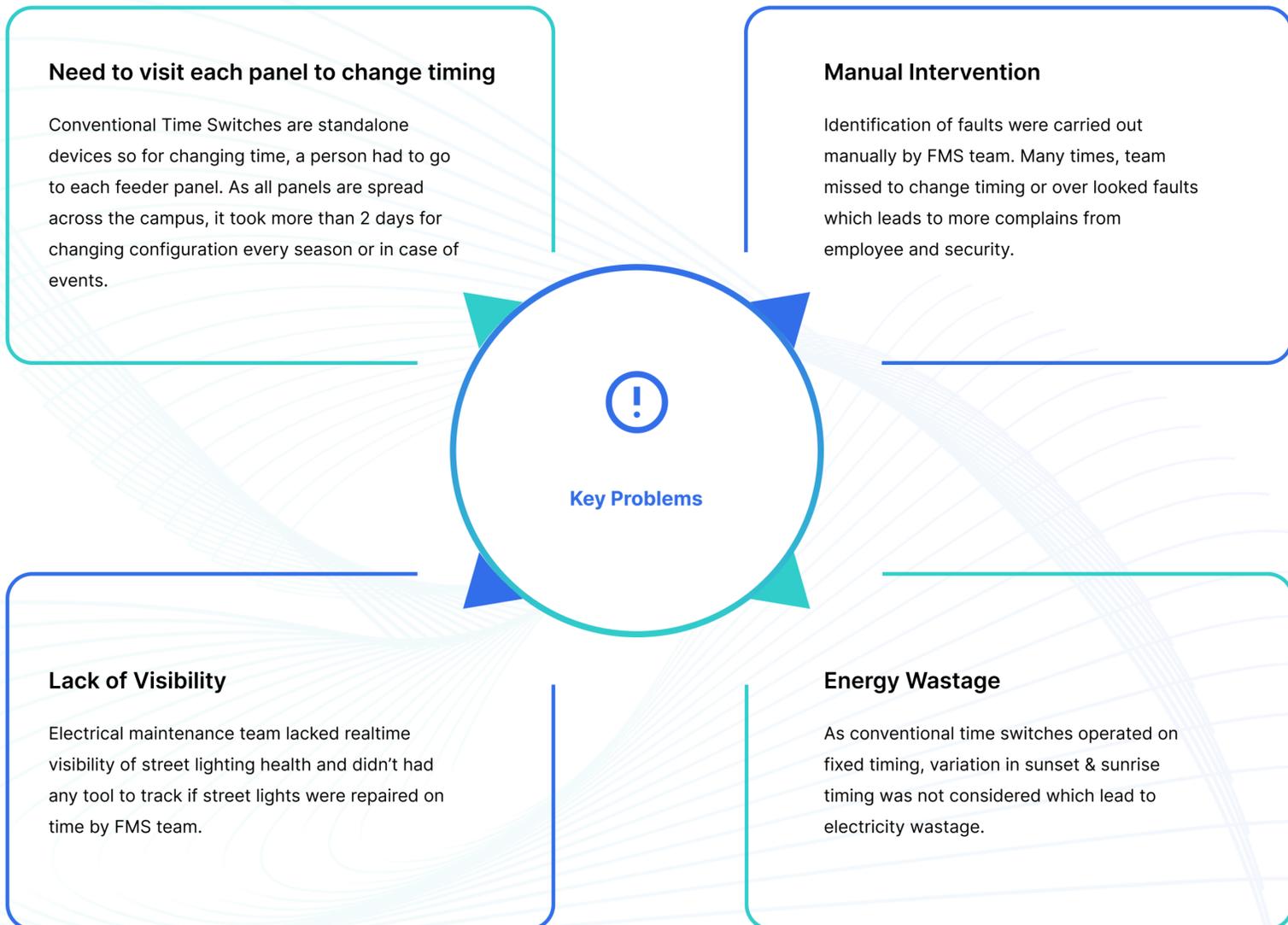
Daily survey was conducted by facility team. Also, in case facility team missed then security guards complained about it.



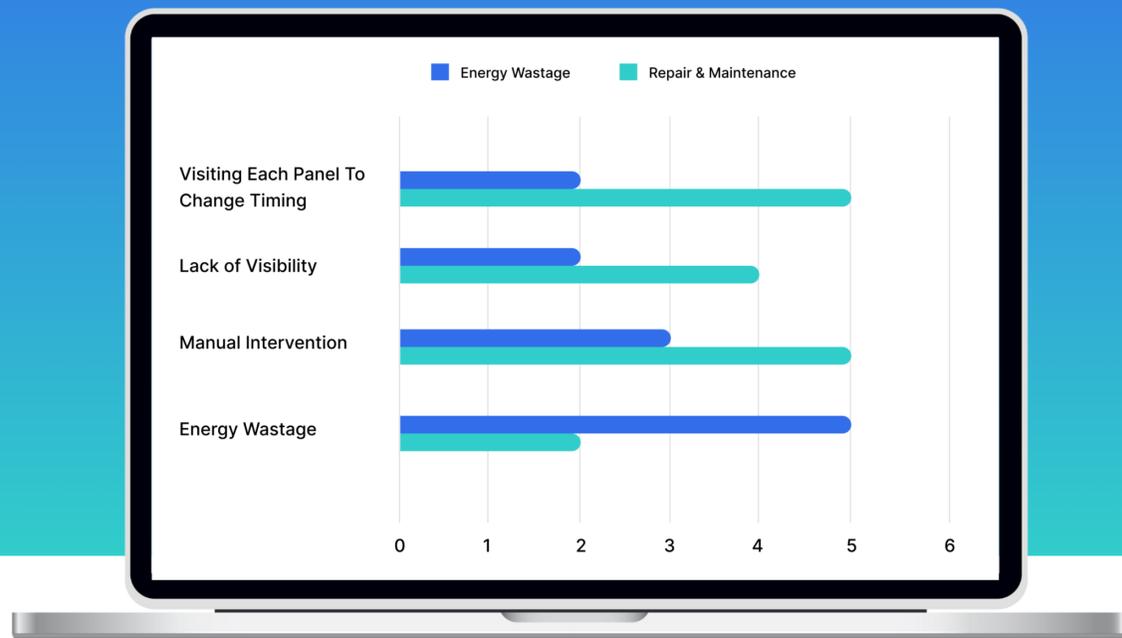
Repair & Maintenance

Repair and Maintenance carried out by in house electrical department and FMS team.

What are the Key Problems?



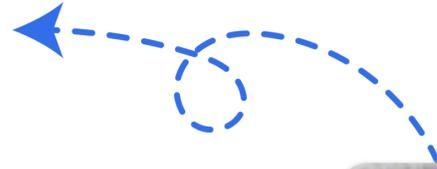
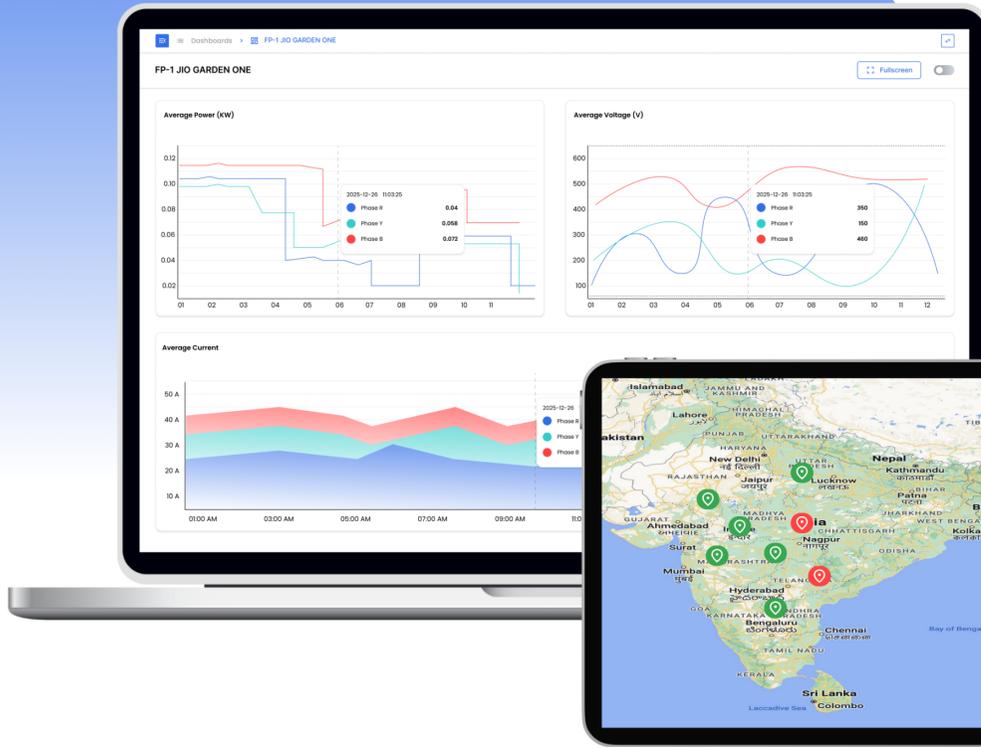
Key Problem Impact



How did we solve?

EazyIoT implemented an IoT enabled electrical asset management solution with a clear objective of providing remote control and monitoring of complete outdoor lighting assets which helps to simplify R&M activity and ensures energy efficiency. Our solution consists of an IoT enabled device, Smart Time Switch. It was retrofitted in existing feeder panels without any changes. Another aspect of the solution is cloud based software & mobile app that can be accessed from any internet enabled device such as Desktop, Laptop, Mobile Phone. Feeder Panels in RCP had 2 circuits so two independent time switches were used. However, EazyIoT Smart Time Switch has 3 relays in single device (3 circuits can be controlled independently).

Hence, we proposed single time switch for each panel.



Key Benefits of the Smart Lighting System

Enhancing maintenance efficiency, monitoring capabilities, and overall energy performance.



Proactive Maintenance

With real time alerts, repairing work is carried out proactively compared to earlier reactive approach. This has leads to reduction in complains from security and employee.



Monitoring from anywhere

Supervisor and engineer now can monitor outdoor lighting operations from field itself through mobile application and can take informed decisions.



Remote Control

Electrical team is able to change timing of lighting ON-OFF from their office desk. It has free up lot of FMS team bandwidth.



Simplification in Operations

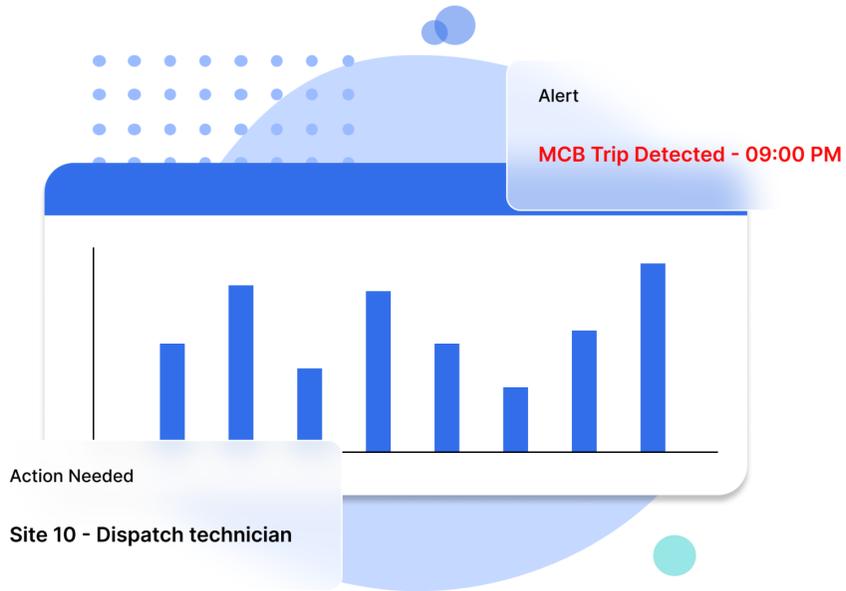
Electrical maintenance team now can easily plan daily maintenance activity based on faults visible on software.



Energy Savings

Timely On-Off & Fault Alerts had resulted into more than 10% energy saving.

Electrical Faults

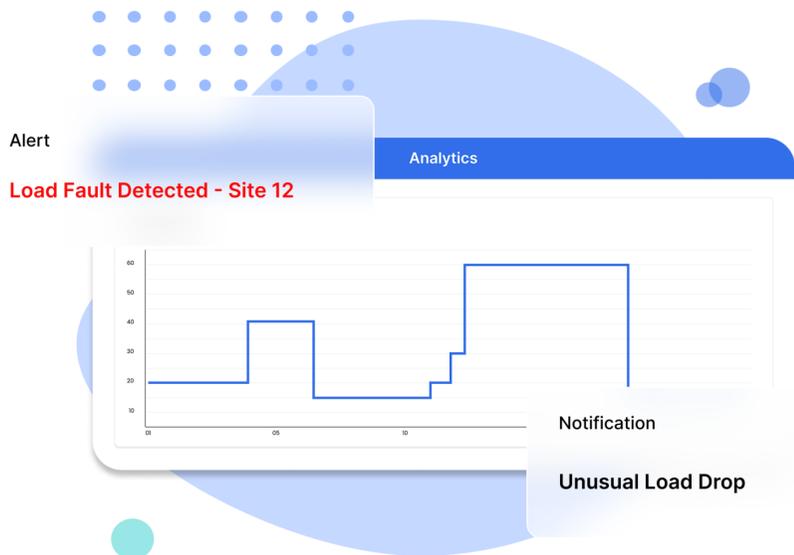


MCB Trip Detection

MCB trip alerts ensure uninterrupted outdoor lighting and allow your maintenance team to resolve issues proactively instead of discovering them after failures.

Power Cut

Power cut notifications help you stay ahead of blackouts and ensure your outdoor lighting isn't left in the dark without you knowing.

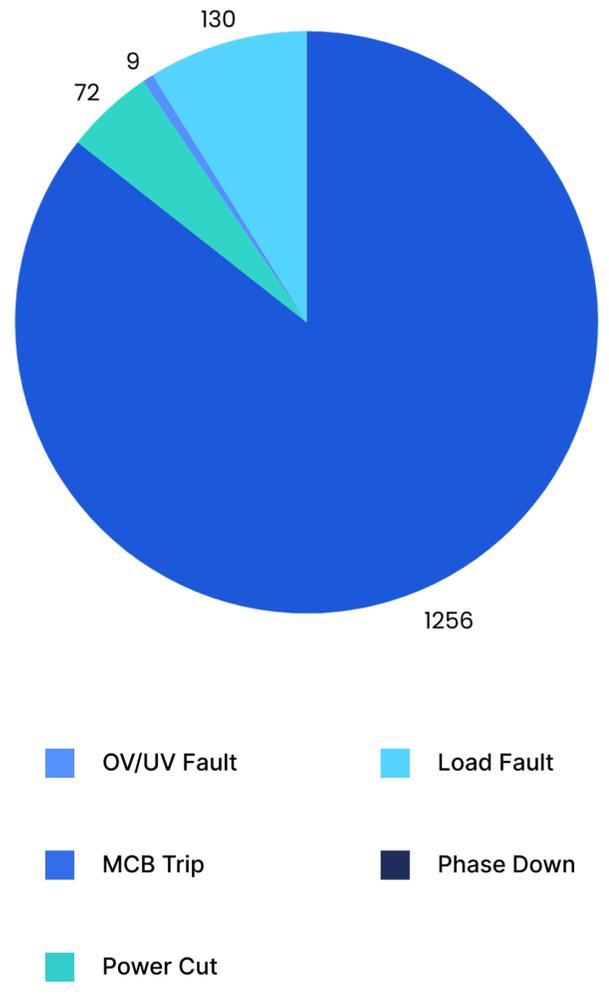


Load Fault

Proactive load fault detection allows maintenance teams to address issues early, extending equipment life and keeping outdoor lighting systems fully operational.

In last 8 months from Aug 19 to Mar 20, following faults were detected

Metric	Value Achieved
Electricity Savings	19 Lakh (10%)
No. of Faults Detected	1450+
UV/ OV Fault	9
Load Fault	130
MCB Trip	1256
Phase Down	0
Power Cut	72
Lighting ON/OFF operations done through EazyLIT	2900+



Ready to Transform Your Operations?

Contact our team to explore how we can help.

Get in Touch



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