



Electrical Engineers eBook

Benefits of Continuous Thermal Monitoring (CTM) for Electrical Engineers

Exploring how CTM technology delivers data-driven decision making and increases personnel safety.



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Continuous Thermal Monitoring

Increase personnel safety by reducing interaction with potential hazards.

For Engineers →

Electrical engineers must maintain asset health for organizations, including data centers, oil and gas facilities, or manufacturing plants.

Increase Safety



Creating a safe environment is essential for engineers and their teams, plus any personnel working with assets connected to an electrical power supply.

Identify Faults



Excess heat can become a safety hazard, but continuous thermal monitoring can help to identify and prevent potential risks in advance.

02

How Electrical Engineers Benefit from Thermal Condition Monitoring



Improve safety: advance warning of compromised electrical assets prior to personnel intervention.



Improve efficiency: get essential data and track trends over time to deliver efficiency improvements.



Prevent equipment failure: temperature monitoring identifies areas where failures are likely to occur.



Extend the life of the equipment: contribute to CapEx and OpEx costs by tracking asset health.

03

Increase Personnel Safety



Advanced Warning of Faults

Thermal monitoring gives electrical engineers and their teams an extra level of safety when working on-site, with advance warning of electrical faults.

Identify At-risk Assets

Thermal monitoring provides real-time and accurate alerts which reduce the risk of teams interacting with faulty or dangerous electrical equipment

Remote Monitoring and Analysis

Continuous thermal monitoring solutions offer remote monitoring features, enabling engineers to access real time temperature data from anywhere.

Reduce Electrical Hot Work Risk

By identifying abnormal temperature variation, engineers can address underlying issues proactively without exposure to energized asset or other hazards.

04

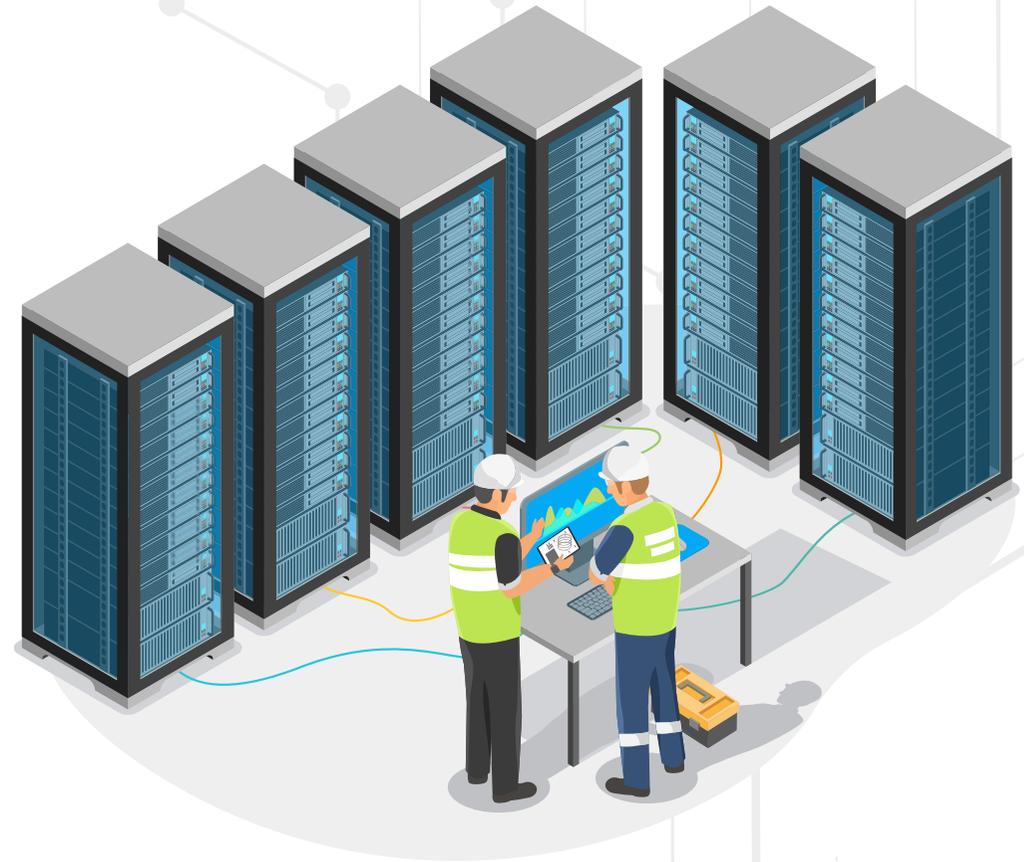
Improve Power Efficiency

Improve Asset Lifespan

By detecting overheating and other heat-related problems at an early stage, electrical engineers can play a role in extending the lifespan of equipment.

Predictive Maintenance

Predictive maintenance is enabled through continuous monitoring and the creation of data, permitting timely intervention, optimizing equipment performance and reducing power outages.



Data-driven Decisions

Real-time data is provided on equipment performance that enables engineers to make insightful decisions on maintenance schedules and resource allocation.

05

How Other Personnel Benefit from CTM



Operations

Increase operational uptime

- Maximize electrical power uptime
- Detect faults in advance of an outage
- Reduce the likelihood of asset damage associated with electrical failures
- Ensure systems remain available



Transformation

Acquire data from electrical assets

- Continuously monitor electrical asset temperature
- Access essential asset condition data
- Utilise data in analytics dashboards for continuous improvement
- Manage risks, reduce costs, improve performance



Finance

Increase return on asset investment

- Help protect your electrical asset investment
- Get advance warning of power failures
- Reduce the need for costly maintenance schedules
- Install fit and forget sensor technology



Power On.
Peace Of Mind

Need To Solve Electrical Outages?

Visit our website to discover how CTM solutions benefit industry stakeholders

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