

Maximizing Uptime: Electrical Preventive Maintenance for Industrial Facilities

For industrial plants and manufacturing operations, unplanned downtime can be incredibly costly in terms of lost production, wasted raw materials, and missed delivery deadlines. One of the best ways for industrial electrical contractors to minimize disruptive outages is through a comprehensive electrical preventive maintenance (EPM) program.

An effective EPM program goes far beyond basic equipment inspections. It involves methodically testing, analyzing data, and addressing potential issues before they escalate into failures. Some key components include:

Infrared Thermography Scanning Excessive heat is often one of the first detectable signs of an impending electrical issue. Periodic infrared scanning of components like bus connections, circuit breakers, transformers, and motors can identify electrical hot spots to investigate.

Insulation Resistance Testing

As insulation degrades over time due to factors like heat, moisture, and electrical stress, it increases the risk of shorts and grounds. Testing the resistance level provides insights into the remaining insulation life.



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