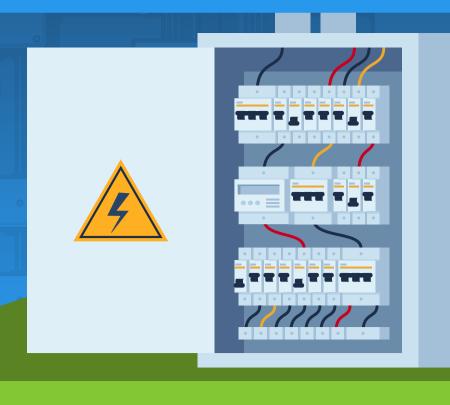
Risky Business

What You Need To Know About...



Electrical Preventive Maintenance

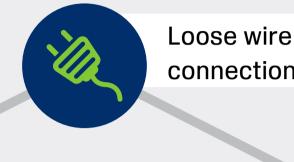
Electrical preventive maintenance is a business practice critical to protecting essential equipment. Avoid unplanned interruptions to business operations by creating an action plan to proactively keep electrical equipment in good operating condition.

Why Maintenance is a Must

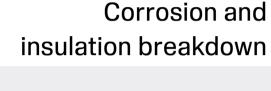
Lack of electrical maintenance can lead to...



Overheated electrical circuits



connections







Cause and Effect of Electrical Breakdown



circuit breakers failed while in service due to lack of maintenance.

77% of fixed-mounted



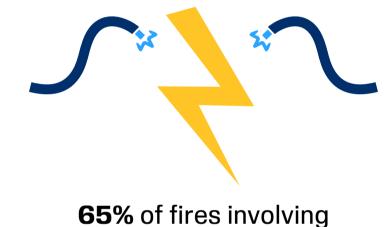
typical oil-filled transformer at a commercial business is over 12 days before it can be replaced.

The average downtime for a



equipment failures are attributed to poor or non-existent maintenance.

Almost 44% of electrical





dust and temperature.

The **top three** contributing factors

to electrical failure are humidity,

is from **electrical arcing.**

electrical failure or malfunction



cable connections, bus ducts and transformers.

The types of equipment failures that resulted in more than 30% of

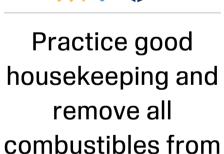
production losses and associated downtime involved switchgears,

Remember these four preventive measures to protect your electrical components and equipment.

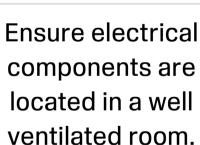
Electrical Maintenance Tips

Cool Dry

Clean



electrical rooms.



Maintain low

levels of humidity

and moisture

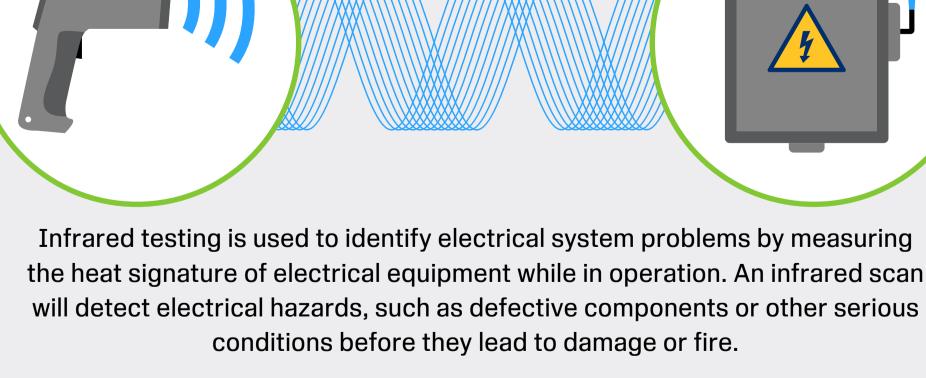
with no signs of water. **Infrared Testing**

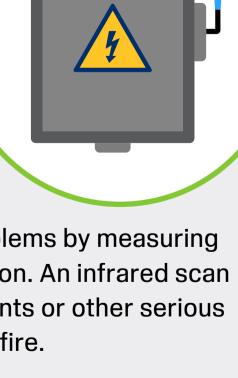
Use sealed

penetrations

Tight

and tight connections.





conditions before they lead to damage or fire.

Annually as part of an electrical

When to consider infrared testing:



If your property experiences any electrical issues

preventive maintenance program



Every six months for locations that have severe operating

"mission critical" equipment

For daily verification checks of



conditions



Boiler Re

References

http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=4264700