



# MOTOR CONTROL CABINETS

## RISKS

- ◇ **Downtime, asset failure, product production, safety, brand reputation, customer and supplier relationships.**

The safe and effective operation of a motor control cabinet is essential for optimized and secure motor operations throughout the manufacturing process. It houses the electrical components that regulate the operation of motors, including starters, variable frequency drives (VFDs), contractors, overload relays, and circuit breakers.

As the motors controlled by these areas are typically responsible for powering essential equipment such as conveyor belts, pumps, compressors, and ventilation systems any fault here can halt production completely.

Regular monitoring and maintenance of the motors and related equipment in the motor room are essential to prevent failures, minimize downtime, and extend the lifespan of the motors, which is critical to maintaining uninterrupted manufacturing operations.

## FLIR ADVANTAGE

Thermal and acoustic imaging technologies identify anomalies in temperature, vibration, current, and voltage parameters which can indicate potential malfunction and/or inefficiency.

Corrective action to address issues such as overheating, electrical imbalances can be taken before failure occurs, avoiding the cost and disruption of unscheduled downtime. The early detection of fire risks is also critical.

## FLIR SOLUTIONS

Contact us for more information on how condition monitoring can improve your business.

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