

## CONDITION MONITORING FOR HOTEL AND HOSPITAL INDUSTRY

### **Enhancing Reliability. Ensuring Comfort. Protecting Assets.**

Condition monitoring is important in building facilities and the hotel industry as it helps detect faults early, prevent unexpected breakdowns, and ensure smooth operations. It reduces maintenance costs and improves safety and reliability.

Thermography plays a key role by identifying hidden issues through heat patterns, such as electrical faults and HVAC inefficiencies, without interrupting operations, making it essential for preventive maintenance and energy efficiency.



## Electrical Thermal Inspection

**Electrical thermal inspection**, also known as infrared thermography or thermal imaging, is a technique used to detect and identify potential issues in electrical systems by analysing the temperature distribution of components and equipment. Here's how the process is typically carried out:

### **Electrical Thermal Inspection (Infrared Thermography)**

- **Setup:** Use a calibrated thermal imaging camera.
- **Power-On:** Inspect equipment under normal operating conditions.
- **Scanning:** Scan panels, switchgear, transformers, motors, etc.
- **Capture:** Record thermal images showing temperature distribution.
- **Analysis:** Identify hotspots or abnormal temperature patterns.
- **Interpretation:** Detect issues like loose connections, overloads, or faults.
- **Reporting:** Document findings with severity and corrective recommendations.

**Purpose:** Early detection of faults to prevent failures and ensure safety.



**IMMUSCO**  
IMMUSCO Oil-Field Equipment



**Our Mission Statement:**

To deliver reliable and innovative condition monitoring solutions using advanced thermography, ensuring safety, efficiency, and uninterrupted operations in building facilities and the hotel industry through proactive and high-quality maintenance services.

**About Us:**

We are a specialized service provider in condition monitoring and thermography, dedicated to enhancing the safety, reliability, and efficiency of building facilities and the hotel industry. With a focus on advanced diagnostic techniques, we help identify potential issues before they lead to costly failures or downtime.

Our team is committed to delivering accurate inspections, professional reporting, and practical solutions that support preventive maintenance and energy efficiency. By combining technical expertise with a customer-focused approach, we aim to ensure smooth operations and long-term asset performance for our clients.

**Our clients**

You might want to mention a few of your most impressive clients here:

- AL HABTOOR PALACE (DUBAI)
- HILTON HOTEL (DUBAI)
- RIXOS BAB AL BAHR (RAS AL KHAIMAH)

**Contact us**

Address UAE Office:  
Immusco Oil-Field Equipment LLC, P.O.  
Box. no. 133297, Mussafah, Abu Dhabi,  
United Arab Emirates

Email:  
mkt.me@immusco.com  
[sales.me@immusco.com](mailto:sales.me@immusco.com)

Call US +971585900475

