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**Safety Risks in Maintenance**

**Safety Risks in the Maintenance of Electrical Facilities & Prevention**

**סיכוני בטיחות בתחזוקת מתקני חשמל והדרכים למניעתם**

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Maintaining electrical facilities involves inherent risks that can be mitigated through careful planning, training, and adherence to safety protocols. Here are some key safety risks and prevention measures:

Safety Risks:

Electrocution: Exposure to live electrical components can lead to severe injury or death.

Arc Flashes: Sudden releases of energy due to electrical faults can cause burns and blast injuries.

Fire Hazard: Faulty wiring, overloaded circuits, or improper installation can result in fires.

Falls and Trips: Working at heights or in confined spaces increases the risk of falls and injuries.

Chemical Exposure: Handling of batteries, cleaning agents, or other chemicals poses health risks.

Prevention Measures:

Training and Awareness:

Provide comprehensive training on electrical safety procedures, hazard recognition, and emergency response.

Ensure workers understand lockout/tagout procedures and use appropriate personal protective equipment (PPE).

Risk Assessment:

Conduct thorough risk assessments before starting any work to identify hazards and implement controls.

Follow permit-to-work systems for high-risk tasks.

Electrical System Maintenance:

Regularly inspect and maintain electrical equipment according to manufacturer specifications and industry standards.

Implement a preventive maintenance program to detect and address potential issues early.

Safe Work Practices:

Establish clear procedures for working with electrical equipment, including de-energizing circuits before maintenance.

Use insulated tools and equipment designed for electrical work.

Personal Protective Equipment (PPE):

Require workers to wear appropriate PPE such as insulated gloves, safety glasses, and arc flash protection gear.

Ensure PPE is in good condition and meets safety standards.

Emergency Preparedness:

Have an emergency response plan in place, including procedures for electrical shocks, fires, and chemical exposures.

Conduct regular drills to ensure all workers understand their roles in emergencies.

Compliance and Regulations:

Stay updated with electrical codes, regulations, and best practices.

Conduct regular audits to ensure compliance with safety standards and protocols.

Communication and Supervision:

Promote a safety culture where workers feel comfortable reporting hazards and near-misses.

Provide adequate supervision to oversee work activities and enforce safety measures.

By prioritizing safety through training, risk assessment, proper maintenance, and adherence to safety protocols, organizations can significantly reduce the risks associated with maintaining electrical facilities. Regular review and improvement of safety procedures are essential to mitigate evolving risks in the workplace.



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Director and member of the company's management in Israel.

• Global management and responsibility for a team of about 40 employees in a

wide range of operational activities such as project execution, process floor

management and field services.

• Management of comprehensive energy solutions such as High & Medium

Voltage, Low Voltage, Data Centers, UPS's, Cooling systems, Electrical

distribution, Protections, Scade Systems, Control and Monitoring.

• Management of Health and Safety in the company.

• Build and execute business work plans.

• Task management with digital tools and KPI process.

• Building a multi-year marketing and sales plan for the field services sales team.