# EIQS Safety Toolbox Talk: Electrical Safety

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This case study examines an electrical accident involving a junior mechanic. Learn from this incident to prevent similar occurrences in your workplace.

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### The Incident

#### What Happened

Junior mechanic found unconscious near a recovered unit controller.

#### **Medical Diagnosis**

Electrocution with black burn mark on left ear lobe.

#### **Direct Cause**

Mechanic cleaned live controller. His ear contacted main line terminal.



## Root Causes Identified (RC)

**No Power Isolation** 

Main switch remained on. No lockout device used.

**Missing Safeguards** 

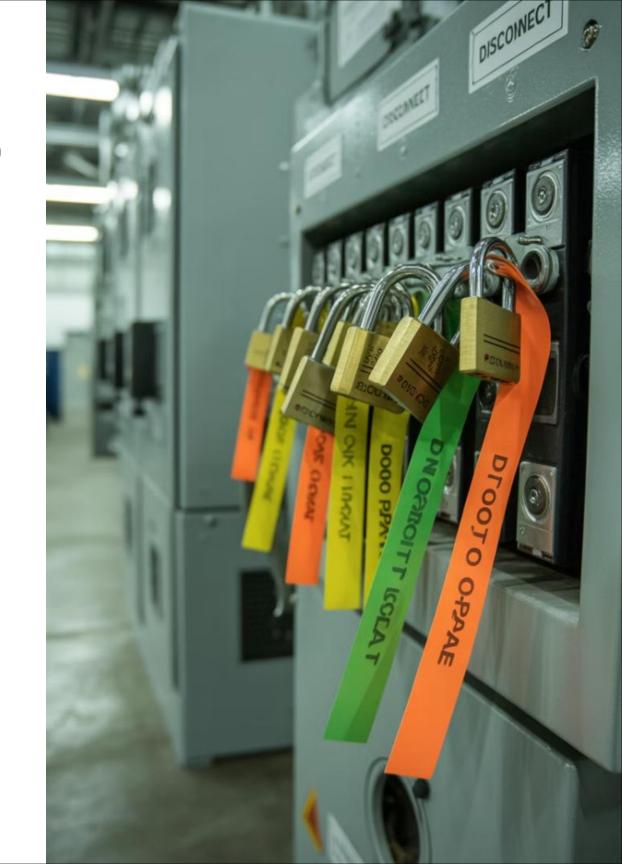
No guards on high voltage terminals. No HV warning stickers.

**Unauthorized Work** 

Mechanic not certified for elevator control work.

**Unsafe Equipment** 

Recovered unit lacked proper safety features.



## **Corrective Actions Taken-CA**

1 — Personnel Training

Mechanic received refresher training and proper certification.

2 — Physical Safeguards

Guards installed on high voltage terminals.

Warning Systems

Caution stickers applied. Lockout devices provided.



# Preventive Measures Implemented (PA)

**Recovery Process Amendment** 

Safety items must be fixed within 7 days of order receipt.

**Retroactive Inspection** 

All units recovered in past six months checked for safety compliance.

**Management Oversight** 

Senior manager clearance required for all received units.

