

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.

 *by Surendra*

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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.

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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.

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Corrective Actions Taken-CA

1 Personnel Training

Mechanic received refresher training and proper certification.

2 Physical Safeguards

Guards installed on high voltage terminals.

3 Warning Systems

Caution stickers applied. Lockout devices provided.

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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.

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