DEKRA

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Quick Charge: EV Safety Snapshot

A quick safety guide to help your team stay alert and safe around high-voltage EV systems

5-Point Readiness Checklist to Keep Your High-Voltage Operations Safe, Fast, and Incident-Free

The New High-Voltage Reality

High-voltage systems are now the heartbeat of modern operations—powering fleets, driving production, and keeping goods and services moving.

But one wrong step, one unclear role, or one outdated procedure can mean costly downtime, serious injury, or lost customer trust.

The leaders who stay ahead treat readiness as a competitive advantage: building speed, clarity, and confidence into every role, every procedure, and every shift.

Our work with leading operations has highlighted five areas where small, targeted changes can deliver major gains in safety performance, uptime, and crew confidence.

1. Unified Asset Awareness
Ensure every crew member can quickly locate high-voltage components, isolation points, and hazard zones so work flows without interruption and downtime is avoided.

2. Clear, Confident Decision Paths
Define exactly who acts, when, and under what conditions, so responses are fast, coordinated, and consistent.

3. Site-Specific Procedures
Adapt OEM guidance to your environment so every step works in your conditions, not just on paper.

4. Connected Roles
Give every role visibility into the bigger picture so handoffs are smooth, momentum stays high, and nothing slips through the cracks.

5. Skills That Stay Sharp
Use realistic, high-pressure drills to make correct responses automatic, even in time-critical situations.

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Close the Gaps. Prevent the Incident.

Incident-Proofing Readiness Checklist

Use this checklist to evaluate how prepared your high-voltage operations are for safe, fast, and incident-free performance:

Equipment & Assets

☐ Asset-specific hazard maps are current and posted where crews work.
☐ Isolation points are clearly marked and easy to access.

Roles & Responsibilities

☐ Decision triggers and authority are defined for each role.
☐ Cross-trained backups are in place for all critical steps.

Procedures

☐ OEM guidance is adapted to your site-specific needs.
☐ Updated procedures are built into daily workflows.

Training & Drills

☐ Drills are conducted under realistic conditions twice annually or more.
☐ All roles are trained in the complete incident sequence.

Communication & Coordination

☐ Reliable communication channels connect every role during high-voltage work.
☐ All personnel know how and when to share updates during time-critical situations.

Get Your Free High Voltage Safety Plan.
Protect your people and keep operations moving.

Email: dekralearning.na@dekra.com
Visit: dekra.us/ev-safety-training

Proven Strategies the Best Teams Use to Stay Incident-Free

Standardize Asset Documentation

Post hazard maps, shutdown points, and PPE requirements where the work happens — not buried in binders. Fast access means faster action and zero guesswork.

Define and Train Decision Triggers

When everyone knows exactly when to act and who leads each step, responses are instant, coordinated, and effective.

Customize Procedures to Your Environment

Adapt OEM guidance to your site's layout, climate, and workflows so it works in real conditions, not just on paper.

Integrate Roles into a Unified Response Plan

Give every role visibility into the full incident sequence so handoffs are smooth, momentum stays high, and nothing slips.

Conduct Real-World Drills

Practice under the same pace, noise, and pressure your teams face every day — so the right moves become instinct.

Why Organizations Choose DEKRA

For over 100 years, we've helped industries close safety gaps and we're one of the few providers that **tailor EV Safety Training** to your operation.

We adapt training to your exact equipment, environment, and procedures, integrating FAA, OSHA, NFPA, and your internal requirements. The result: crews who act with speed and confidence in real-world conditions, without slowing operations.