



# FALL HAZARD ANALYSIS AND REMEDIATION

## OUR SOLUTIONS

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Falls in the workplace are the leading cause of occupational injuries and they cost organizations billions of dollars each year. Maintaining a safe work environment is a smart and ethical business investment—in addition to a legal requirement. An effective fall protection program begins with identification and analysis of fall hazards, followed by a comprehensive remediation program to ensure a safe working environment.

OSHA requires employers to provide a workplace free of recognized safety and health hazards and to perform a workplace assessment that identifies and addresses hazards (OSHA 29 CFR). For the past decade, failure to provide fall protection has consistently ranked as OSHA's leading citation, so it is critical to understand the requirements and implement a comprehensive fall hazard analysis and remediation program to maintain safety and compliance.

Working together, national firms, LJB Inc.—a firm with world-class fall protection expertise—and ENTRUST Solutions Group—a company with extensive design experience in the downstream energy production market—provide expert fall hazard analysis and remediation services. As experts in OSHA fall protection regulations, LJB has more than 25 years of experience assessing fall hazards in the refining industry and develops comprehensive plans for proper fall protection measures, techniques, and equipment. Following the assessment, EN Consulting develops detailed engineering and design for the corrective actions identified—including both engineering controls and active fall protection systems. Together, the two firms have helped clients take proactive steps toward earning Voluntary Protection Program (VPP) Star status and build a safer workplace by correcting thousands of potential fall hazards.



## Benefits of Fall Hazard Analysis and Remediation

- Increased employee safety and enhanced safety culture
- Reduction in OSHA recordable incidents and related costs
- Ensured compliance with OSHA regulations for hazard assessment
- Recognition by OSHA of proactive work toward VPP compliance/certification with no unexpected OSHA inspections

## Areas of Engineering Expertise

- Identification and analysis of slip, trip, and fall hazards
- Code compliance
- OSHA regulation compliance
- Voluntary Protection Program (VPP) compliance
- Ergonomics
- Risk management and loss prevention



*Before: Clearance, ladder, and cage hazards*



*After: Issues mitigated through corrective design*

## Services

- Fall hazard identification
- Fall hazard evaluation and prioritization based on risk
- Data review and organization
- Field evaluation of compliance status
- Operational maintenance review
- Plan development to mitigate deficiencies
- Construction cost estimating
- Shop drawing review
- Ergonomic analyses
- Detailed engineering and design of corrective actions
- Construction oversight
- Ongoing hazard mitigation
- Fall protection training

## Fall Protection Training

LJB offers customized fall protection training courses that help solve fall protection issues before they arise. The training provides tools needed to identify fall hazards, as well as the insights and skills to develop and implement a comprehensive and cost-effective fall hazard control program. LJB has been accredited to provide adult learning by the International Association of Continuing Education and Training (IACET) since 2003, and their Competent Person fall protection training course meets the U.S. Army Corps of Engineers EM-385 requirements for training. Each of LJB's training programs is designed so that participants actively engage with the material and demonstrate the ability to apply it in their workplaces. Training options include:

- Awareness
- Authorized Person (and refresher training)
- Competent Person (and refresher training)
- Qualified Person
- System-specific training
- Pre-turnaround (for petrochemical and refining sites)