



# Warehouse Racking **Inspection** & Safety Compliance

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PROTECTING LIVES. SECURING ASSETS.



## About Rack Inspect

**Rack Inspect International** was incorporated in 2026, built on over 10 years of hands-on experience in the warehouse racking industry, spanning installation, consulting, and compliance. Our operational experience across West Africa positions us uniquely to serve manufacturing, FMCG, logistics, and industrial operators.



### INDUSTRY EXPERTISE

Over a decade of hands-on racking industry experience across installation, consulting, and compliance operations.



### REGIONAL OPERATIONS

Deep operational experience across West Africa, understanding local challenges and regulatory environments.



### INTERNATIONAL STANDARDS

Inspection methodology aligned with EN 15635, SEMA, OSHA, RMI, and ANSI frameworks for global best practice.



### CLIENT SECTORS

Serving manufacturing, FMCG, logistics, warehousing, and industrial operators with tailored inspection solutions.



## The Problem — Why Rack Inspection Matters

1

### Most Abused Asset in the Warehouse

Racking systems are among the most heavily used and frequently damaged assets in any warehouse environment, yet they receive the least structured attention.

2

### Installed and Often Ignored

Once installed, racking is typically treated as permanent infrastructure. Without ongoing inspection, degradation and damage go unnoticed until failure occurs.

3

### Rarely Governed with Structured Oversight

Most warehouses lack a formal rack safety governance structure, leaving inspection to ad hoc visual checks rather than documented, standards-based assessments.

4

### Impact Damage Frequently Undocumented

Forklift collisions and operational impacts are common but rarely recorded, creating hidden structural risks that compound over time.

“Rack systems require **structured governance** — not occasional attention.”

# Rack Inspection — **Measurable ROI**



**Prevent Structural Collapse**



**Reduce Inventory Damage**



**Avoid Injury Claims**



**Lower Insurance Exposure**



**Extend Asset Life**



**Reduce Unplanned Downtime**



# When Should Racking **Be Inspected?**

**1**

## **At Installation**

- ▶ Verify structural integrity and correct assembly
- ▶ Confirm fit for intended operational loads
- ▶ Validate alignment with EN 15635 requirements

**2**

## **After Impact or Modification**

- ▶ Assess structural damage from forklift collisions
- ▶ Evaluate any reconfiguration or load changes
- ▶ Document and classify damage severity

**3**

## **Ongoing Internal Monitoring**

- ▶ Appoint a Rack Safety Officer (RSO)
- ▶ Conduct documented periodic inspections
- ▶ Maintain inspection logs and action records

**4**

## **Annual Independent Professional Audit**

- ▶ Engage qualified independent inspector
- ▶ Full structural assessment per EN 15635
- ▶ Comprehensive risk classification report



# Rack Safety Governance Structure

## Warehouse Operator

Day-to-day operational responsibility for rack safety



## Rack Safety Officer (Internal)

Appointed person responsible for periodic internal inspections and damage reporting



## Independent Annual Inspection

Qualified external inspector conducting comprehensive structural assessment



## Executive / Risk Oversight

Senior management accountability for compliance and corrective action

## Compliant vs Non-Compliant Warehouse

### ✓ COMPLIANT

- ✓ Documented inspection regime with scheduled periodic and annual assessments
- ✓ Rack Safety Officer (RSO) formally appointed with defined responsibilities
- ✓ Load notices clearly displayed on all racking installations
- ✓ Risk classified using Red / Amber / Green system per EN 15635
- ✓ Repairs tracked, documented, and closed with verification
- ✓ Audit-ready documentation maintained and accessible

### ✗ NON-COMPLIANT

- ✗ No formal inspection structure or documented assessment schedule
- ✗ Damaged uprights and beams left in service without assessment
- ✗ Missing or incorrect load notices on racking installations
- ✗ No impact reassessment following forklift collisions or modifications
- ✗ No annual independent audit by qualified inspector
- ✗ No documented risk classification or corrective action tracking

**NON-COMPLIANCE = LEGAL, FINANCIAL, AND OPERATIONAL EXPOSURE**



## Traffic Light **Risk Classification**



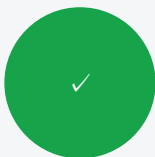
### **RED — Immediate Action Required**

Rack must be unloaded immediately and isolated from use. Structural integrity is compromised and poses an imminent safety risk. Professional assessment and repair required before returning to service.



### **AMBER — Planned Repair Required**

Damage identified that requires repair within a defined timeframe. Rack may remain in limited use under monitored conditions pending corrective action. Must be scheduled and tracked.



### **GREEN — Monitor**

Minor cosmetic damage or wear within acceptable tolerances. No immediate action required but should be documented and monitored during subsequent inspections.

# Load Notice — Example & Requirements

## Safety Rules & Requirements



**DO** ensure load notices are displayed on every racking installation, clearly visible and legible.



**DO NOT** exceed the maximum beam load or bay load specified on the load notice.



**DO NOT** modify racking configuration without engineering approval and updated load notices.



**DO NOT** use damaged racking. Report all damage immediately to the Rack Safety Officer.



**CAUTION:** Any changes to beam levels, bay widths, or load configurations require reassessment and updated documentation.

### Sample Load Notice

#### MAXIMUM RACK LOADING

Beam / Shelf Load:	1,500 kg per level
Bay Load (Total):	6,000 kg per bay
Beam Pitch:	1,500 mm
Bay Width:	2,700 mm
Floor Level Load:	2,000 kg
Number of Levels:	4
Frame Height:	6,000 mm

Reference: EN 15635 & SEMA Code of Practice

## Standards & Professional Alignment

Our inspection methodology is aligned with internationally recognized engineering and safety frameworks relevant to industrial storage systems.



### OSHA

#### OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION

U.S. workplace safety regulator establishing employer duty of care and safe storage obligations for industrial environments.



### SEMA

#### STORAGE EQUIPMENT MANUFACTURERS' ASSOCIATION

UK-based body providing rack inspection and maintenance best practice aligned with EN 15635 standards.



### RMI

#### RACK MANUFACTURERS INSTITUTE

Industry body responsible for ANSI MH16.1, the engineering specification governing steel storage rack design in North America.



### ANSI

#### AMERICAN NATIONAL STANDARDS INSTITUTE

U.S. standards organization overseeing consensus-based industrial and structural safety standards.

# Independent Inspection & **Repair Advisory Model**

## Our Independence

- We provide independent inspection and safety compliance services exclusively
- We do not sell, install, or repair racking systems
- Our inspections are objective and free from commercial installation bias
- Complete impartiality ensures trust and credibility in every report

## Where **Corrective Action** Is Required

- 1 Provide detailed corrective action reports with clear scope and priority classification
- 2 Define repair scope aligned with applicable EN 15635, SEMA, and ANSI standards
- 3 Support evaluation of contractor proposals to ensure compliance with specifications
- 4 Verify completed works meet safety requirements and structural integrity standards
- 5 Conduct post-repair validation inspections and issue clearance documentation

# Professional Qualifications & **Industry Alignment**



## **PMI Certification**

Project Management Institute certified, ensuring structured project delivery and stakeholder management for complex inspection engagements.



## **OSHA Safety Certification**

Certified in Occupational Safety and Health Administration standards, ensuring compliance with U.S. workplace safety regulations.



## **SEMA Rack Safety Awareness**

Certified in SEMA rack safety awareness, the industry benchmark for rack inspection competency aligned with EN 15635.



## **Certus Forklift Certification**

Regulation 1910.178 certified for powered industrial truck operations, understanding forklift-racking interaction risks.



## **Industry Experience**

Over a decade of hands-on warehouse racking industry experience spanning installation, consulting, and compliance operations.

# Why Rack Inspect International?

1

## Regional Operational Experience

Deep understanding of West African warehouse environments, operational challenges, and regulatory landscapes.

2

## International-Level Standards

Inspection methodology aligned with EN 15635, SEMA, OSHA, RMI, and ANSI frameworks for global best practice.

3

## Cost-Efficient Alternative

A practical, cost-effective alternative to imported consultants, delivering the same international-grade service locally.

4

## Independent & Objective Reporting

No commercial ties to racking suppliers or installers, ensuring unbiased inspection findings and recommendations.

5

## Governance-Focused Methodology

Structured inspection approach that builds lasting safety governance, not just one-time assessments.

6

## Structured Repair Guidance

Detailed corrective action reports with clear repair specifications and post-repair validation support.

INTERNATIONAL STANDARDS. REGIONAL UNDERSTANDING. SUSTAINABLE SAFETY.



# RACK INSPECT INTERNATIONAL LIMITED

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SCHEDULE  
CONSULTATION

SITE RISK  
REVIEW

EXECUTIVE COMPLIANCE  
BRIEFING

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