

Best-in-Class Contractor Management

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Agenda

- ISN Introduction
- Contractor Management Background
- 10 Strategic Elements for Best-In-Class Contractor Management
- Benchmarking & Case Studies
- Questions/Comments



ISN Introduction





What is ISNetworld?



Web-based Contractor/Supplier Information Management for collection and review of QHSE, Procurement, Compliance and Training data.

500+

Hiring Clients Worldwide

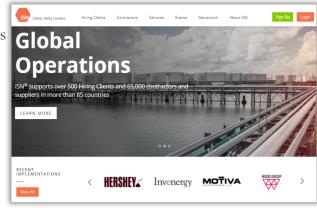
Industries

- Aerospace
- Agriculture
- Automotive
- Beverage
- Chemical
- Consumer Products
- Exploration & Production
- Facilities Management
- Fertilizer Products
- Food
- Manufacturing
- Midstream, Pipelines
 & Terminals

65,000+

Contractors/Suppliers

- Mining
- Paper, Packaging & Building Products
 Global
- Pharmaceutical & Healthcare
- Public Sector & Public Works
- Retail
- Refining
- Renewable Energy
- Steel & Metals
- Technology
- Transportation
- Utilities, Power Generation
 & Distribution





Contractor Management Background





Contractorization - Opportunity and Challenge

Global industry trends indicate continued growth of outsourcing non-core business activities to third party contractors.

- Allows for qualified, well equipped specialized organizations.
- Enables safe and sustainable operations.

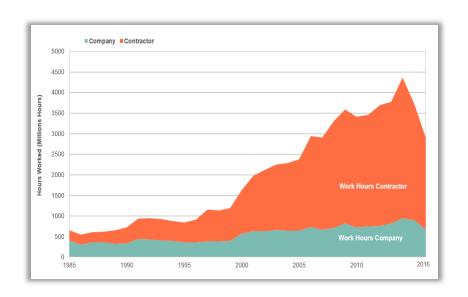


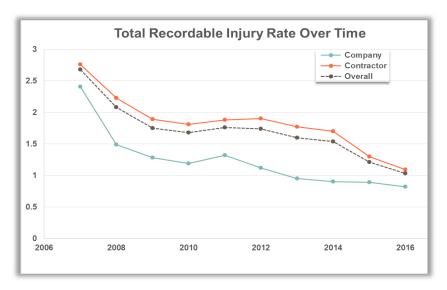
Prime duty for safe operations and environmental stewardship lies with the owner organization.

- Robust strategy needed.
- Better risk mitigation.
- Streamline operations to focus on core competencies.



Use of Contractors – A Global Trend





Contractors accounted for 77% of work hours in 2016

Contractors have 30% higher total recordable injury rate than Companies in 2016

Overall work hours decreased by 34% during 2014 – 2016



Serious Injury and Fatality Trends

Based on 49,227 US Contractors (Same Contractor Set Through All 3 Years) (99th Percentile Data Used)	2014	2015	2016
Total Exposure Hours	10,600,873,512	10,674,642,632	10,117,838,804
Total Recordable Cases	86,388	81,859	75,694
Total Number of Fatalities	215	216	173
TRIR	1.63	1.53	1.50
Number of Contractors with Fatal Injuries	192	192	162
Fatality Rate per 100,000 Employees	4.06	4.05	3.42
Example Client's Fatality Rate per 100,000 Employees	1.20	2.95	2.36
BLS Fatality Rate per 100,000 Employees*	3.40	3.40	3.60

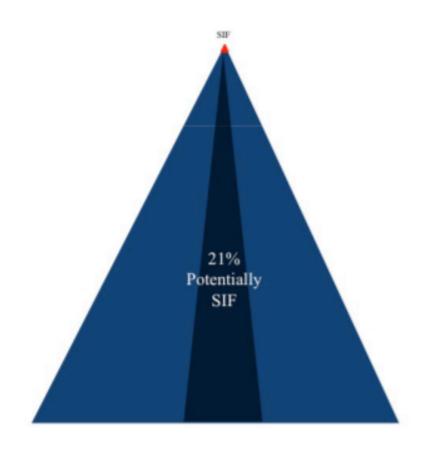
- Steady decline in TRIR over years, but fluctuating fatality rates
- Increasing focus on Serious Injury and Fatality (SIF) prevention

^{*}BLS Fatality Rate: https://www.bls.gov/iif/oshwc/cfoi/cfch0014.pdf



Heinrich's Triangle Revisited

- Traditional causation models revised
- Should not be at the expense of all incident causation





10 Strategic Elements for Best-In-Class Contractor Management



10 Strategic Elements

- 1 Establish a clear communication strategy
- 2 Designed to measure performance
- 3 Incorporate a risk-ranking process
- 4 Follow a three-step due-diligence process
- Maintain a qualified contractor list
- 6 Follow standardized and transparent guidelines
- 7 Establish consequences
- 8 Address subcontractor management
- 9 Integrate with internal business processes
- 10 Take Safety Culture to the Next Level



1. Establish a Clear Communication Strategy

What?

Zero Incident Goals

Golden Rules

Scorecard Status

Performance and Audit Gaps

How?

Timely and Consistent

Traceable and Auditable

Mailings & Emails

Contractor Handbook

Electronic Platforms

Engagement

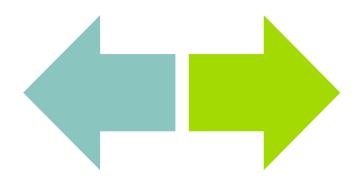
One-on-One Meetings

Workshops & Councils

Community Meetings



Lagging Indicators

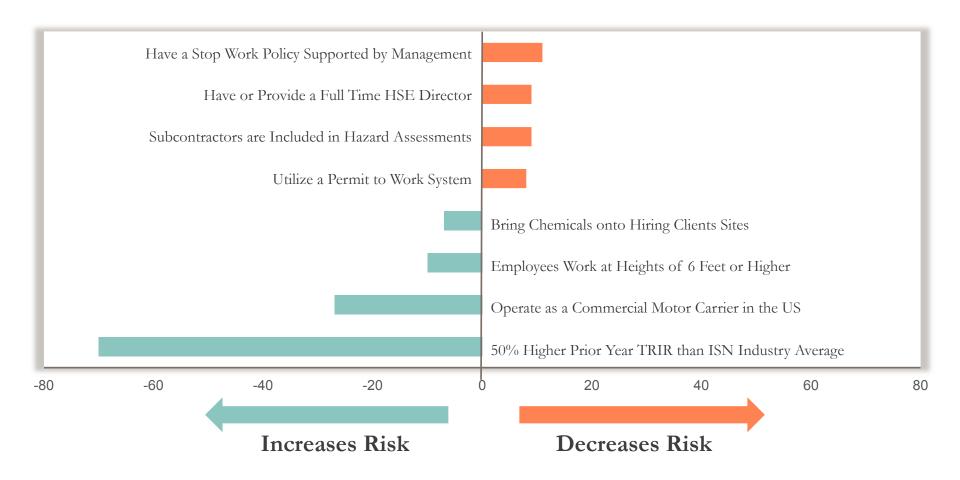


Leading Indicators

- Recordable Injuries
- Incident Rates
- Injury frequency and severity.
- Near misses (frequency, trend).
- Fatality or other accidents.
- Lost workday rate.
- Chemical releases.
- OSHA citations (number and type).
- Worker's Comp. claims and trends.
- Experience Mod. Rate (and changes).

- Safety Performance
- Hazard Recognition
- Employee turnover rate
- 3rd Party certifications achieved.
- Completed vs. expected trainings.
- Completed vs. scheduled inspections.
- New/enhanced safety controls implemented.
- Observations/investigation results.
- Risk assessments and job hazard analyses.
- Employee perception surveys.







Contractor Leading Indicator Case Study - Enable Midstream

Lower TRIR Higher TRIR

NAICS 23 - Construction

-24%	Employees work in a Process Safety management (PSM) facility
-17%	Employees subject to drug and alcohol screening at return of duty
-16%	Employ a health care professional on large jobs
-15%	Has a written Short Service Employee program
-14%	Utilizes a permit to work system
-13%	Has a full time site HSE Supervisor
-12%	Written program requiring Job Safety Analysis before every task
-7%	Completes and documents two observations per employee per month
-7%	Has a fatigue management program
-5%	Years Subscribed with ISN

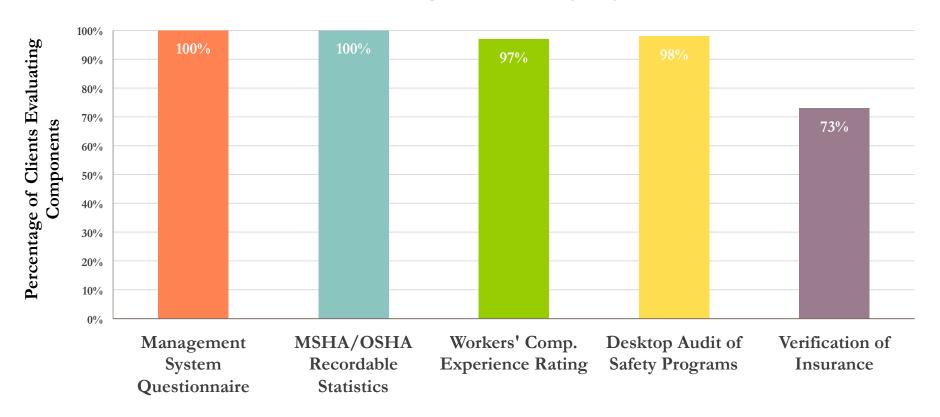
Employees work at heights of 6 feet or higher	28%
Brings chemicals on site	20%
Received any INSPECTIONS within the last three (3) years	19%
Operates Commercial Motor Vehicles	19%
Transports hazardous materials	18%
Received a CITATION within the last three (3) calendar years	15%





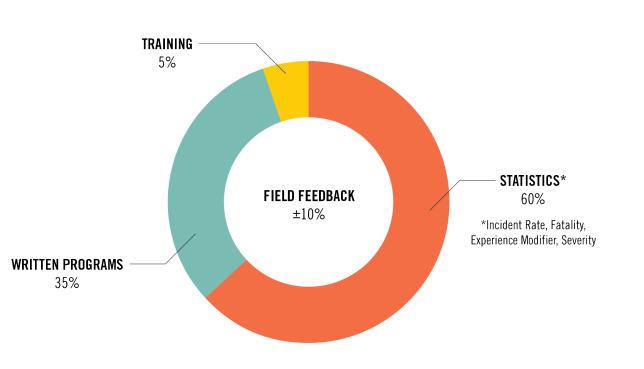
Common Evaluation Components

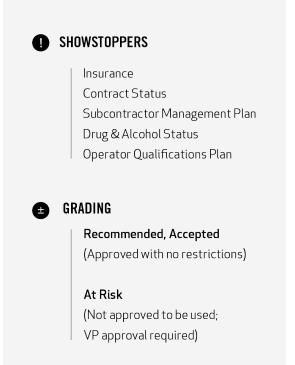
Based on 232 Owner/Operators and 564 Grading Configurations





Case Study: Kinder Morgan



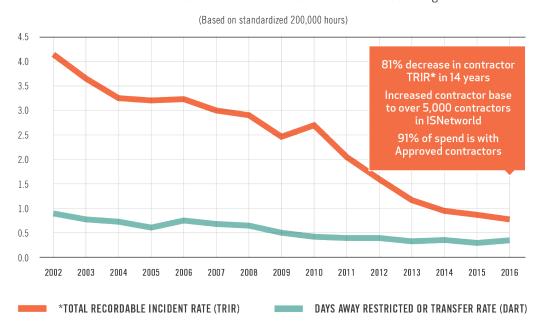




Case Study: Kinder Morgan

Contractor Incident Rates by Year

TRIR and DART based on hours worked on-site for Kinder Morgan



"ISN has developed a great platform for our procurement and safety professionals to work together. We now have the ability to have a one-stop shop in order to gather and manage our safety statistics."

Lisa Shorb

VP Human Resources and Administration

KINDER MORGAN



3. Incorporate a Risk-Ranking Process

Contractors come in various sizes, capabilities, risk profiles.

Classify risks according to pre-set criteria and matrix.

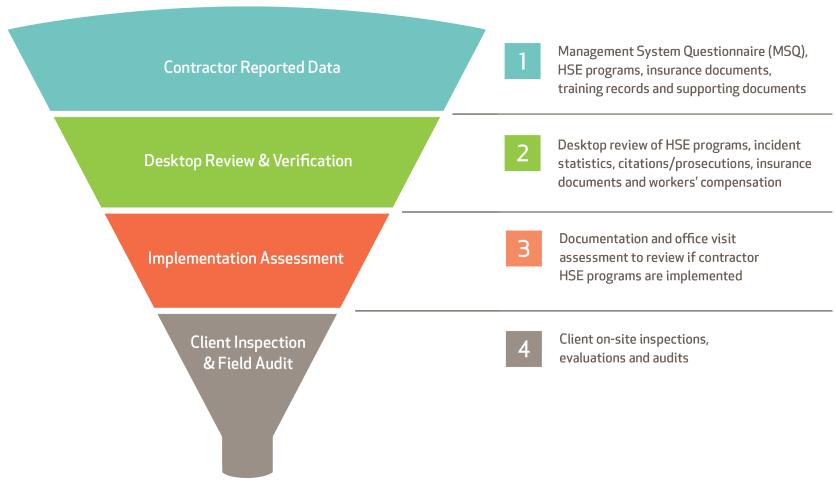
- Potential adverse consequences.
- Frequency, duration and / or scope of work.
- High, medium and low risk.

Re-evaluate / adjust contractor risk periodically.

Contractor Risk Screening Matrix					
Job Function	Green - Job function/work location criteria DO NOT fall into Contractor Management System (CMS) Orange - Job function/work location criteria DO fall into CMS				
Inspector, Consultant, etc.					
Manual Labor					
Technician/Supervisor					
Clerical/Administrative					
Office cleaning, delivery person, vending machine, etc.					
Work Location	Offsite, Contractor Shop	Office	Construction, Manufacturing, Storage	Drilling, Production, Plant, Compressor, Pipeline, Seismic	



4. Utilize a Four-Step Due-Diligence Process





5. Maintain a Qualified Contractor List



"Quick, we need them now"



Proactive, structured process for finding, qualifying, onboarding, and monitoring contractors.



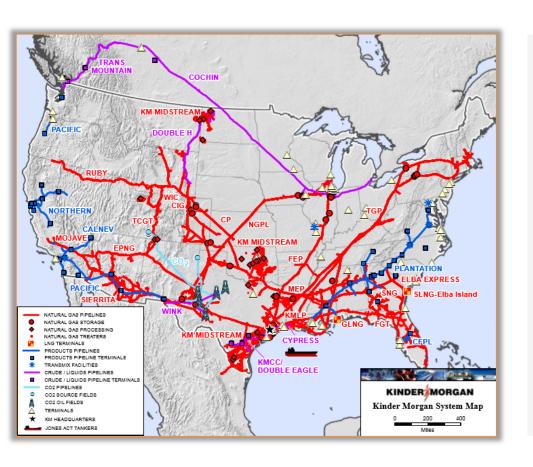
Enhances procurement integrity.



Builds stronger and lasting partnerships with contractors.



6. Follow Standardized & Transparent Guidelines



- Consistency and transparency is a common challenge.
- Utilize a single, well organized database.
- Improves procurement transparency.
- Minimize duplication and inefficiencies.



7. Establish Consequences

- Establish, communicate and enforce consequences for non-compliance.
- Develop contracts and agreements carefully.
- Eliminate time/effort required to manage challenging performers.
- Provides a base of fewer, safer service providers.



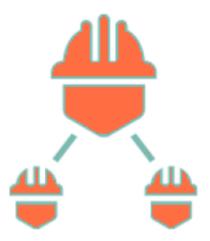


8. Address Subcontractor Management

Have you ever seen service providers with logos you don't recognize on your jobsite? Subcontractors typically have a higher likelihood of incidents.

Best practices for subcontractor approaches:

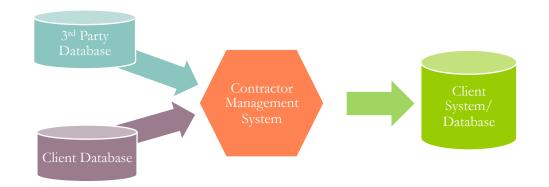
- Ensure they are qualified/monitored to same level of standards as general contractor or,
- General contractor required to demonstrate the same level of rigor for qualifying subcontractors.





9. Integrated with Internal Business Processes

- Contractor management as an integral part of the complete business processes.
- Goal is to drive end-to-end risk management.
- Examples of Key Performance Indicator (KPI) integration:
 - Purchase orders issued only to qualified contractors.
 - Site entry ID badges tied to contractor approval status.



3 rd Party Imports	Client Imports	Client Exports
TrainingDrug & Alcohol TestsBackground ChecksCompany Registration Information	Audit DataContract DetailsPost Job EvaluationsCompetency Assessments	 Contractor Grades Insurance Statuses Employee Training Details Questionnaire Responses



9. Integrated with Internal Business Processes Case Study: Apache Helipass

Designed to check all required information prior to an employee/contractor heading offshore for Apache.

Can be used to track individual-level data in real time such as:

- Background Checks
- Company Grade
- Drug and Alcohol
- Online Training
- OQ & TQ







10. Take Safety Culture to the Next Level

- Veteran HSE Professionals point to multi-employer worksites as a significant health and safety concern within the industry
- Best-in-class organizations identify the safety attitude of their sites and modify as needed
- Periodic culture assessments and benchmarking maintain consistent focus for contractor workforces





10. Take Safety Culture to the Next Level



- Best in Class Organizations:
 - See contractors as partners to promote ownership in safety
 - Include contractor safety metrics in company-wide goals
 - Support site mentorship program with contractors
 - Conduct regular meetings with contractors to build site engagement and reinforce culture



Benchmarking & Case Studies





Best-in-Class Contractor Management





https://www.isnetworld.com/Publications.aspx

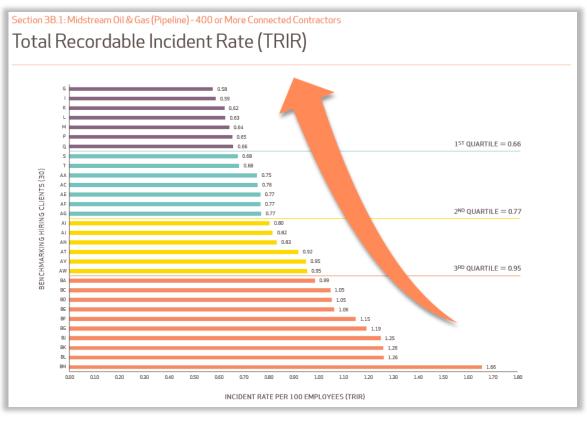


Contractor Benchmarking





Contractor Benchmarking



- **Solution** Know Where You Are
- Selection & Management Strategy
- Baseline & Targets



Summary

What gets measured gets done.

"Investing in the safety and health of workers is about growing a culture; not simply developing a safety management program and then hoping it works - you have to feed it and care for it so that it succeeds and continues to succeed."

David Michaels, PhD, MPH
Former Assistant Secretary of Labor, OSHA**

** https://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=SPEECHES&p_id=3256



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