INTELEX

INSIGHT REPORT

The EHS Leader's Guide to Safety System Modernization

Transportation & Logistics

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Modern EHS teams are under pressure to protect workers, stay compliant, and adapt to growing responsibilities

Introduction

Modern EHS teams face growing pressure to protect workers, remain compliant, and assume new responsibilities, including sustainability and total worker health. Yet, many are still relying on outdated safety systems that weren't built for the complexity of today's operations. These legacy tools create blind spots, slow responses, and add administrative burden, when speed and visibility are more critical than ever.

According to independent research and advisory firm Verdantix, **55% of EHS leaders aim to implement a single, global EHS software solution in the next two years**, while another 23% are pursuing a unified solution at the regional level. The desire for consolidation reflects a growing recognition that **fragmented systems make it harder to collect, track, and act on safety data**, especially in diversified, global organizations.

What's driving the push for consolidation?

EHS leaders cited the following as the most significant reasons for pursuing system consolidation:

Figure 1: Drivers for EHS IT system consolidation

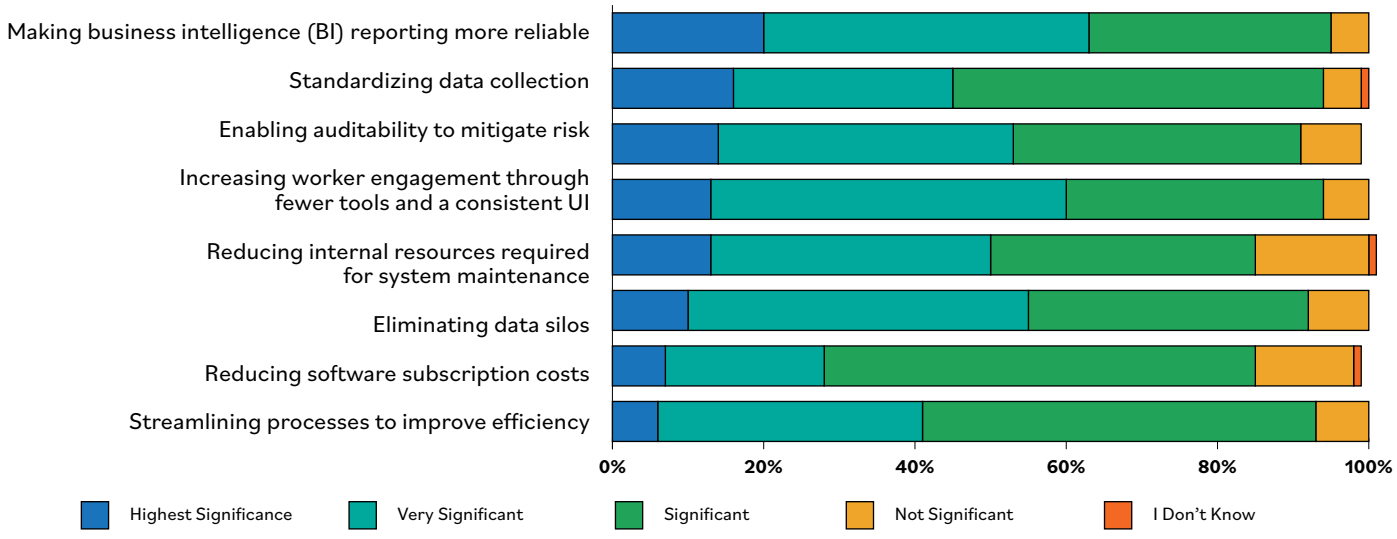


Figure 1. Drivers for EHS IT system consolidation. Based on data from Verdantix, "Global Corporate Survey 2023: EHS Budgets, Priorities, and Tech Preferences," April 2025.

Key Takeaway: These priorities show that consolidation is about enabling smarter decisions, stronger risk management, and more engaged workers.

This guide will help you:

- Identify **blind spots** that may exist in your current safety system.
- Understand what a **modern safety system** should deliver.
- **Benchmark your approach** against industry trends and technology priorities.
- Recognize the **cost of standing still**—and the ROI of pulling ahead.

Now that we've outlined the value of modernization, let's explore how to evaluate your current safety systems and uncover where gaps or inefficiencies may exist.

Section 1. How to Know If Your Safety System has Blind Spots

You might think your system is working fine, but many problems aren't obvious. Here are key warning signs:

- **Field teams are hindered by outdated tools,** including manual forms, limited offline access, and tedious data entry.
- **Managers lack real-time visibility.** Without live data, you're reacting to safety issues instead of preventing them.
- **Compliance tracking is manual and prone to errors,** making audits stressful and incomplete.
- **Leadership keeps asking for reports.** Key decision-makers don't have access to dashboards with real-time safety metrics.

Checklist: Does Your Safety System Have Blind Spots?

If you answered 'No' to two or more statements, your system is already creating risk and inefficiencies.

Indicator	Yes	No
Your systems sync seamlessly and eliminate manual data entry. Ex. Does data flow automatically between systems, ensuring reports are always up to date?	○	◉
Your team actively uses the system because it's fast, simple, and intuitive. Ex. Do field teams prefer using the platform over paper forms or workarounds?	◉	○
Compliance tracking is automated and efficient. Ex. Are audits easy to manage with complete, up-to-date records?	○	◉
You have real-time data and predictive insights. Ex. Can you quickly identify and address emerging safety trends before they escalate?	○	◉
Administrative tasks are minimal, allowing teams to focus on safety. Ex. Do teams avoid duplicating entries, chasing reports, and fixing system errors?	○	◉
Your system integrates with enterprise tools to provide a real-time view of risk. Ex. Can leadership access a complete, real-time view of safety and operational risks?	○	◉
Your platform delivers real-time safety data. Ex. Are critical safety decisions based on the latest, most accurate information?	◉	○

After identifying potential blind spots in your current system, it is helpful to compare your priorities with those of your industry peers.

Industry Insight: Where EHS Leaders Are Prioritizing Technology Investments

In a 2024 Global EHS Survey, Verdantix gathered responses from 301 senior EHS decision-makers across 24 countries and 25 industries. The findings highlight how executives are adapting to growing responsibilities, such as total worker health, ESG requirements, and complex chemical regulations.

Figure 2: EHS operational priority areas for the next two years

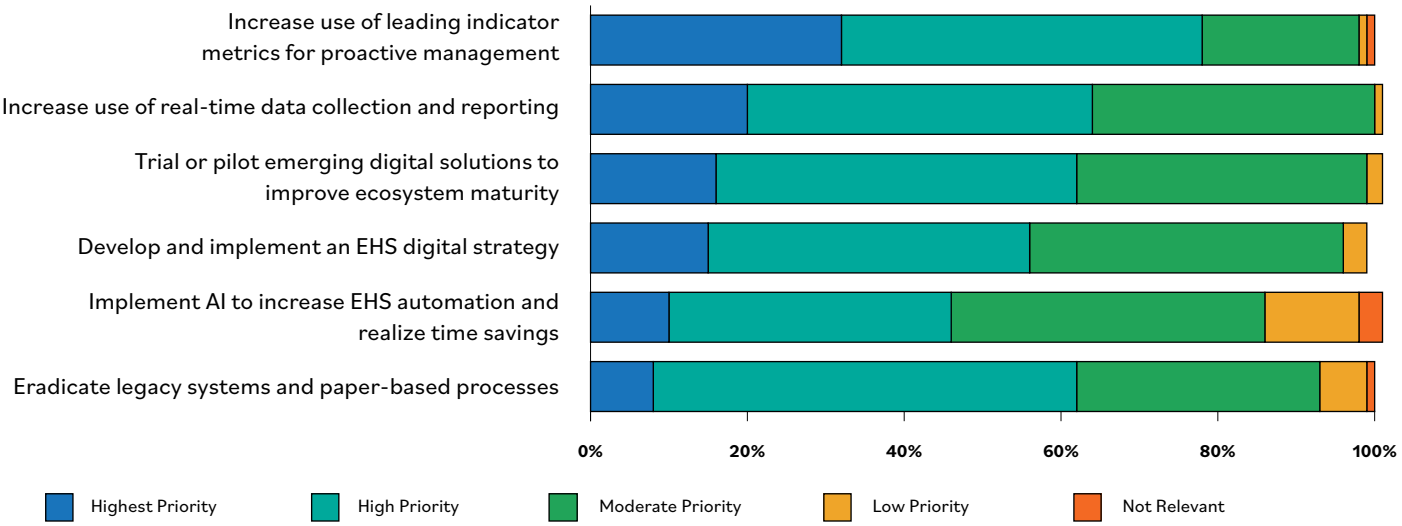


Figure 2. EHS operational priorities over the next two years. Based on data from Verdantix, "Global Corporate Survey 2024: EHS Budgets, Priorities, and Tech Preferences," April 2025.

Key Insight: While only 8% of EHS leaders named "eradicating legacy systems" as their top priority, over 90% still rank it as a moderate to high priority. It's the foundation that enables nearly every other goal on this list—from real-time data collection to proactive safety metrics.

Section 2: What a Modern Safety System Should Deliver

A modern safety system doesn't just store data—it manages safety risk in the workplace. It should help organizations:

- Connect safety with operations for better visibility by eliminating data silos.
- Make faster, smarter decisions with real-time insights.
- Reduce workload and improve accuracy with simplified workflows.
- Improve data capture and reporting with mobile tools.

Legacy Vs. Modern Safety Systems

Feature	Legacy Safety System	Modern Safety System
User Adoption	Low due to complex interfaces and lack of mobile access.	High due to intuitive UI, mobile-friendly tools.
Data Access	Scattered across multiple systems, difficult to retrieve.	Centralized, real-time access.
Integration	Siloed, doesn't sync with enterprise tools.	Seamlessly integrates with ERP and HR systems for a unified view.
Risk Management	Reactive. Risks identified after incidents.	Proactive. Automated reports surface risk identification.
Reporting	Desktop reporting.	Desktop and mobile reporting options.
Analytics & Insights	Limited reporting with static dashboards.	Advanced analytics and drill-down capabilities.
Scalability	Hard to scale across multiple sites and regions.	Cloud-based, grows with business needs.
Reliability & Performance	Prone to downtime and requires extensive IT maintenance.	High reliability with cloud-based access and minimal IT burden.
Admin Workload	High due to manual processes and redundant workflows.	Automated workflows reduce admin time.
Security & Compliance	Legacy security protocols increase the risk of breaches.	Enterprise-grade security with continuous updates and compliance support.

Section 3: The Cost of Doing Nothing

The industry is shifting to smarter, more connected systems—but many organizations still rely on outdated, disconnected tools. There's a clear opportunity for forward-thinking companies to gain a competitive edge.

Most companies still use tools that are years behind modern capabilities.

Want a competitive edge? Modernize where others haven't

Figure 3: Age of incumbent EHS software solutions by module

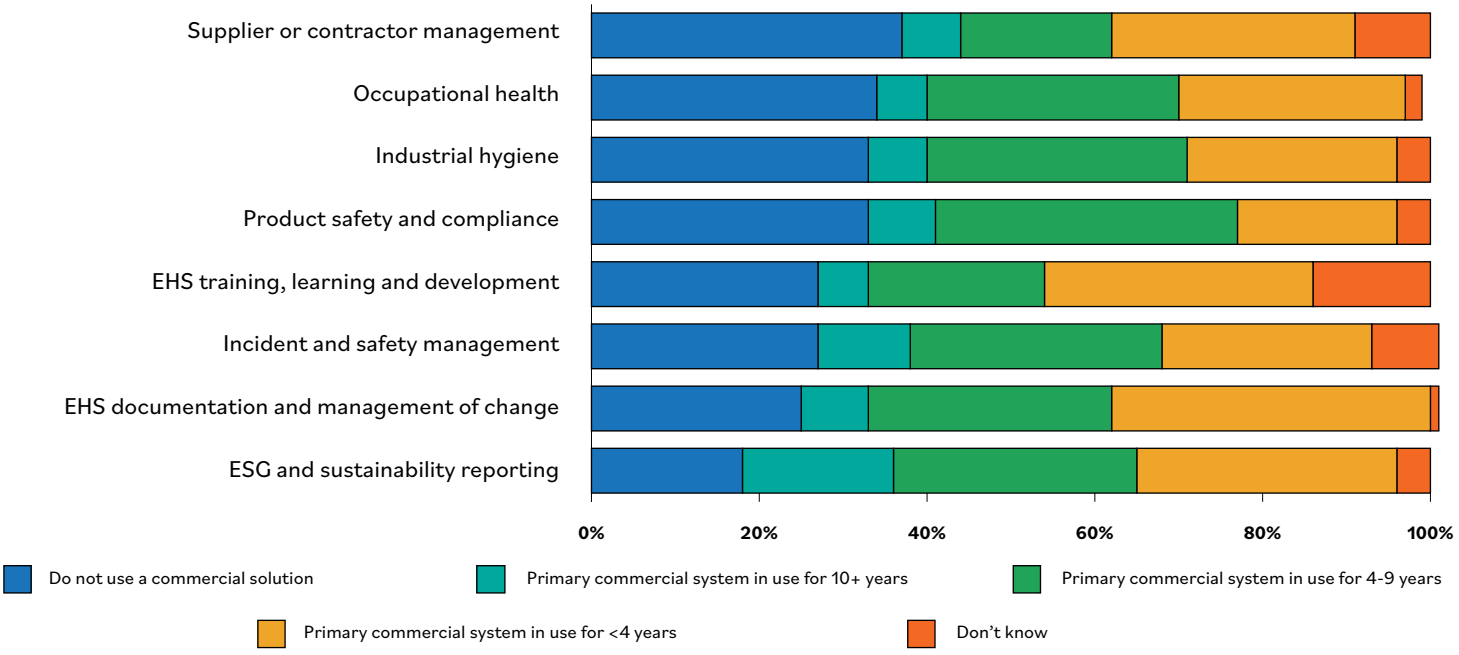


Figure 3. Age of incumbent EHS software systems by module. Based on data from Verdantix, "Global Corporate Survey 2024: EHS Budgets, Priorities, and Tech Preferences," April 2025.

What it means: The majority of organizations surveyed are still running on tools that are 4–10+ years old—or have no commercial solution in place at all. These outdated systems create inefficiencies, limit visibility, and make it harder to adapt to new demands. Modernizing now gives you a head start. While others play catch-up, you can lead.

The Business Impact of Sticking with Legacy Systems

Category	Key Statistics	Impact on Business
Regulatory Fines	OSHA fines up to $16,550 per serious violation and $165,514 per willful or repeated violation.[1]	Financial loss, legal exposure, increased regulatory scrutiny.
Incident Costs	Average injury costs $40,000[2]; a fatality costs $1.39M.[3]	Legal liability, reputational damage, decreased morale.
Downtime & Lost Productivity	Unplanned downtime can cost up to $220K per hour.[4]	Missed production targets, operational delays.
Insurance & Legal Costs	Employers pay nearly $1B per week in workers' comp.[5]	Escalating insurance premiums, legal settlements.
Technology Debt Costs	Companies that manage their technical debt experience 20% higher revenue growth than those in the bottom 20th percentile.[6]	Inefficient use of resources, reduced agility and scalability.

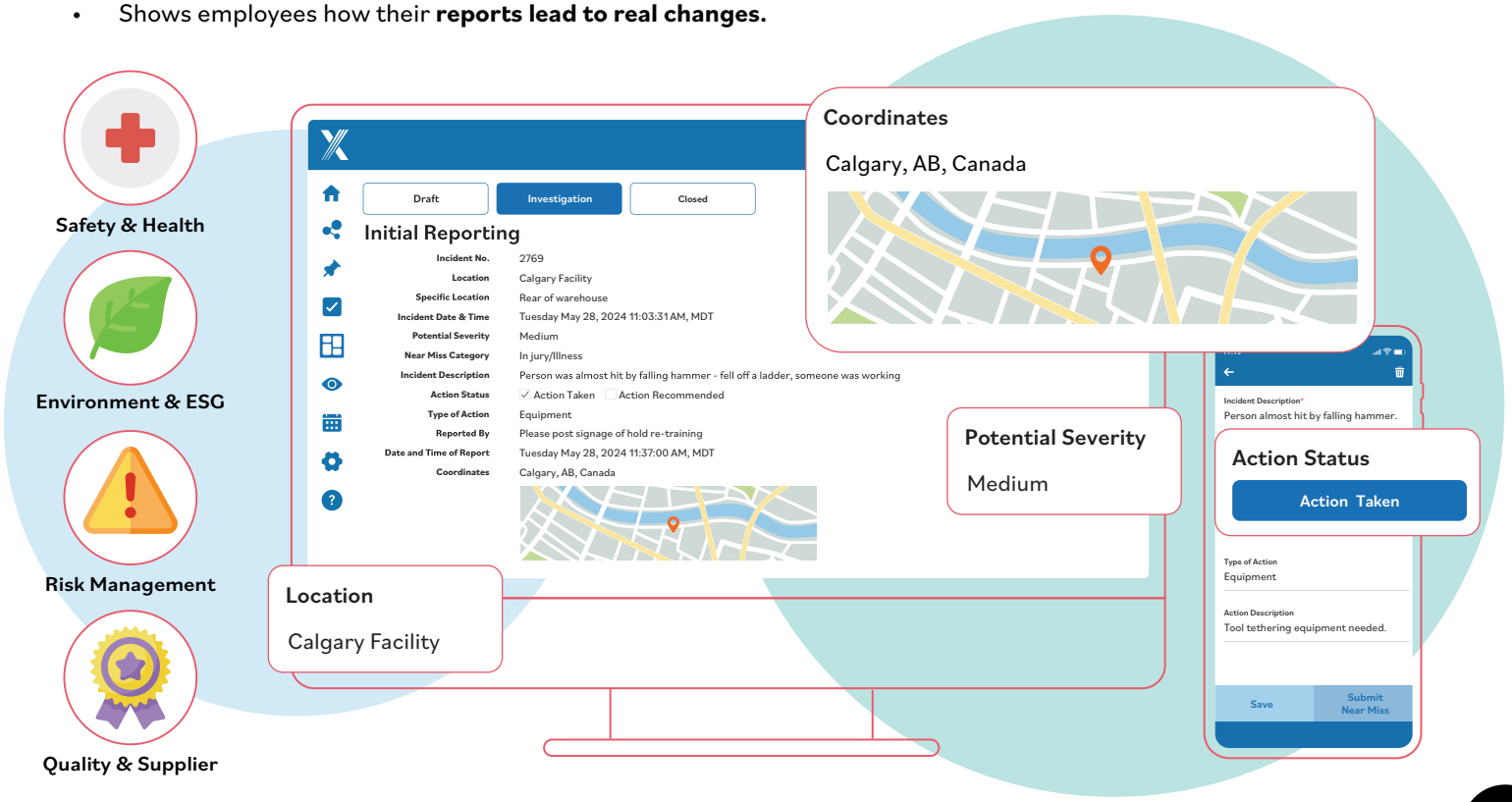
Section 4. The ROI of Modernizing Your Safety System

A modern, worker-first safety system reduces incidents, boosts engagement, and improves performance at every level.

While the exact figures will be different case by case, here's what you stand to gain by upgrading your system.

1. Stronger Worker Engagement = Fewer Incidents

- Encourages **fast, easy hazard reporting** (from any device, anywhere).
- Provides **real-time feedback** to workers on their safety observations.
- Shows employees how their **reports lead to real changes.**



2. Data-Driven Safety = Smarter Decisions

- Leading indicators like near misses and hazard reports help predict risk early.
- Automated tracking of safety trends helps identify patterns before incidents occur.
- Real-time dashboards keep leadership informed and ready to act.

3. Better Data Collection = Stronger Safety Outcomes

- Capture hazards immediately with mobile-first reporting.
- Offline access ensures remote sites can capture data without loss.
- Consistent, structured reporting eliminates inconsistent or missing information.

Here's how one organization turned safety system modernization into a performance advantage:

Customer Spotlight: How Virgin Atlantic Achieved 70% Mobile Safety Adoption and Cultural Transformation

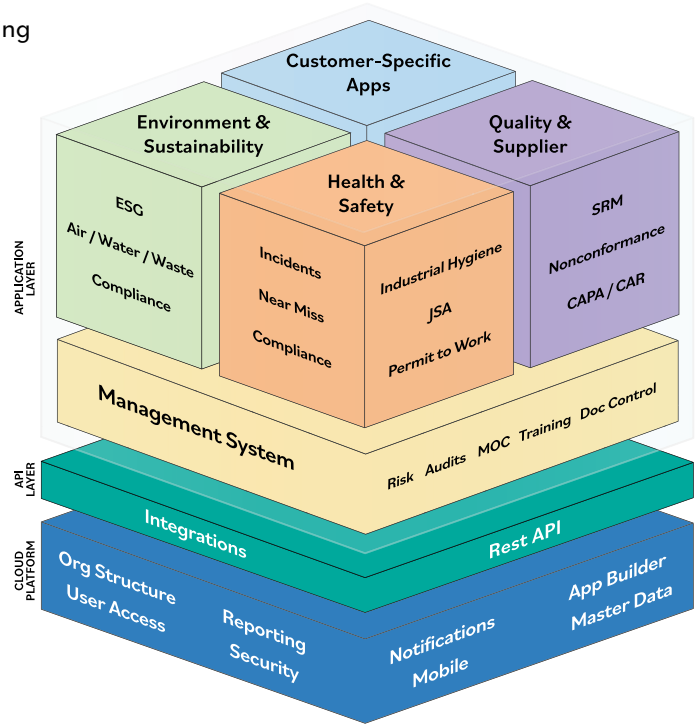
"One of the big things we've noticed is that people are reporting near misses, which is something we've never had before. Our health and safety investigators have been able to use that information to do a better and more efficient job of making sure we don't have injuries because of those."

- Danny M., Safety Systems Development Specialist, Virgin Atlantic Airways, Ltd.

Conclusion: Taking the Next Step Toward a Modern Safety System

Outdated EHS systems hinder safety, early risk detection, and the ability to adapt to new demands.

Modernizing your safety system removes these barriers by speeding up reporting, surfacing risks in real-time, and providing leaders with the insight to act before issues escalate.



Why Intelex is the Ideal Partner for EHS Leaders

Intelex gives organizations the tools to build proactive, connected, and resilient safety programs. With mobile-first technology, real-time risk management, and automated workflows, our flexible platform works the way your teams do—whether in the field, at an operational site, or in a corporate office.

Intelex provides organizations with the tools to build proactive, connected, and resilient safety programs. Our flexible platform uses mobile-first technology, real-time risk management, and automated workflows. It works the way your teams do, whether they are in the field, at an operational site, or in a corporate office.

Key Intelex Capabilities for Safer, Smarter Operations

Application Builder

Tailor safety processes to your unique operational needs with a flexible, no-code platform.

Document Control

Store and manage document versions, approvals, and distribution in one system.

Mobile & Offline Capability

Leverage iOS and Android apps to work without internet and sync data when reconnected.

Reports & Dashboards

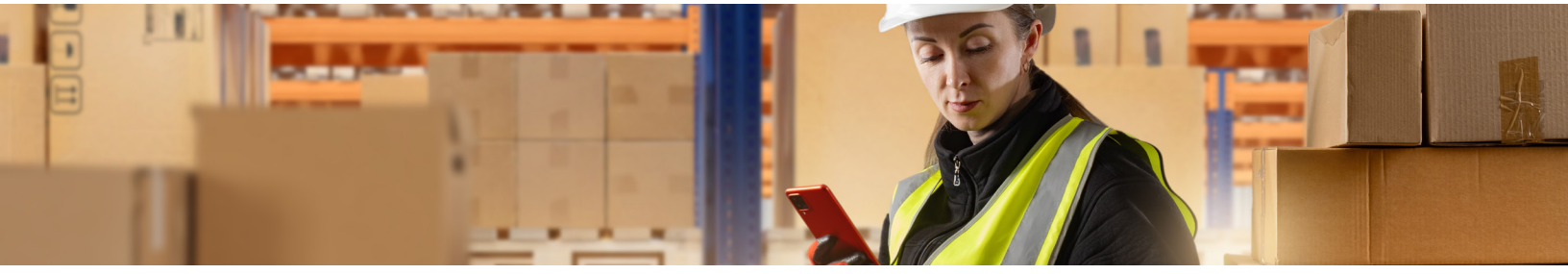
Gain real-time insights to identify inefficiencies, measure success, and assess risks.

Connected Data

Access and integrate data across multiple applications and systems.

Form Builder

Create, customize, and manage digital forms for data collection.



Intelex gives organizations the tools to build proactive, connected, and resilient safety programs.

Ready to move forward?

- Make reporting simple with mobile tools that work in the field—even offline.
- See safety risks in real time instead of waiting for reports.
- Prevent more incidents by tracking early warning signs.
- Spend less time on paperwork and more time improving safety.

Modern safety leadership starts with the right system. Take the next step

Start a Conversation	Ready to see how our suite of software can drive real results for your safety, health and environment goals? Book some time to see what's possible.
Pricing Information	Looking for a custom quote or pricing details? We'll give you a breakdown of the total business value of our software, projected ROI and both hard and soft dollar benefits.
Personalize Your Demo	Prefer to go solo? Use our demo builder to create your own personalized online experience. Choose from our pre-made demos or handpick features from our EHSQ solutions to make it your own.

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For over 30 years, Intelex has been making a difference in the world by helping our 1,400 customers achieve safer, more sustainable operations. Our web and mobile solutions streamline and simplify environmental, safety, quality and risk management, empowering organizations to meet the challenges of an increasingly complex marketplace while minimizing negative social, environmental and human impacts. Intelex is proud to be an operating company of Fortive Corporation, which provides strength in numbers, strength in skills and perspectives and strength in our shared conviction to make an impact.