



**INNOVATIVE TECHNOLOGY & SOFTWARE**  
**IMPLEMENT FAST | FUTURE PROOF**

# Benefits of Implementing an Integrated Process Safety & HSE Information Management System

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*"...a trusted HSE software application  
with virtually no functionality gaps"*  
**Verdantix Green Quadrant Feb 2017**

## What is Gensuite

- Proven, turnkey cloud solutions
- Intuitive Best Practice workflows
- Flexible configuration features and extensions
- Seamlessly integrated Mobile
- Global with 16+ languages and users in 120 countries
- Integrated data analytics and business intelligence
- Global Gensuite team in 8 countries

## Business Value

- Enhanced productivity and process accountability
- Rapid adoption and deployment; no user licenses
- Continuous evolution & collaborative innovation

Our cloud-based IT solutions enable subscribers to manage their business compliance processes and management systems more efficiently and effectively!

# WORLD CLASS SUBSCRIBERS

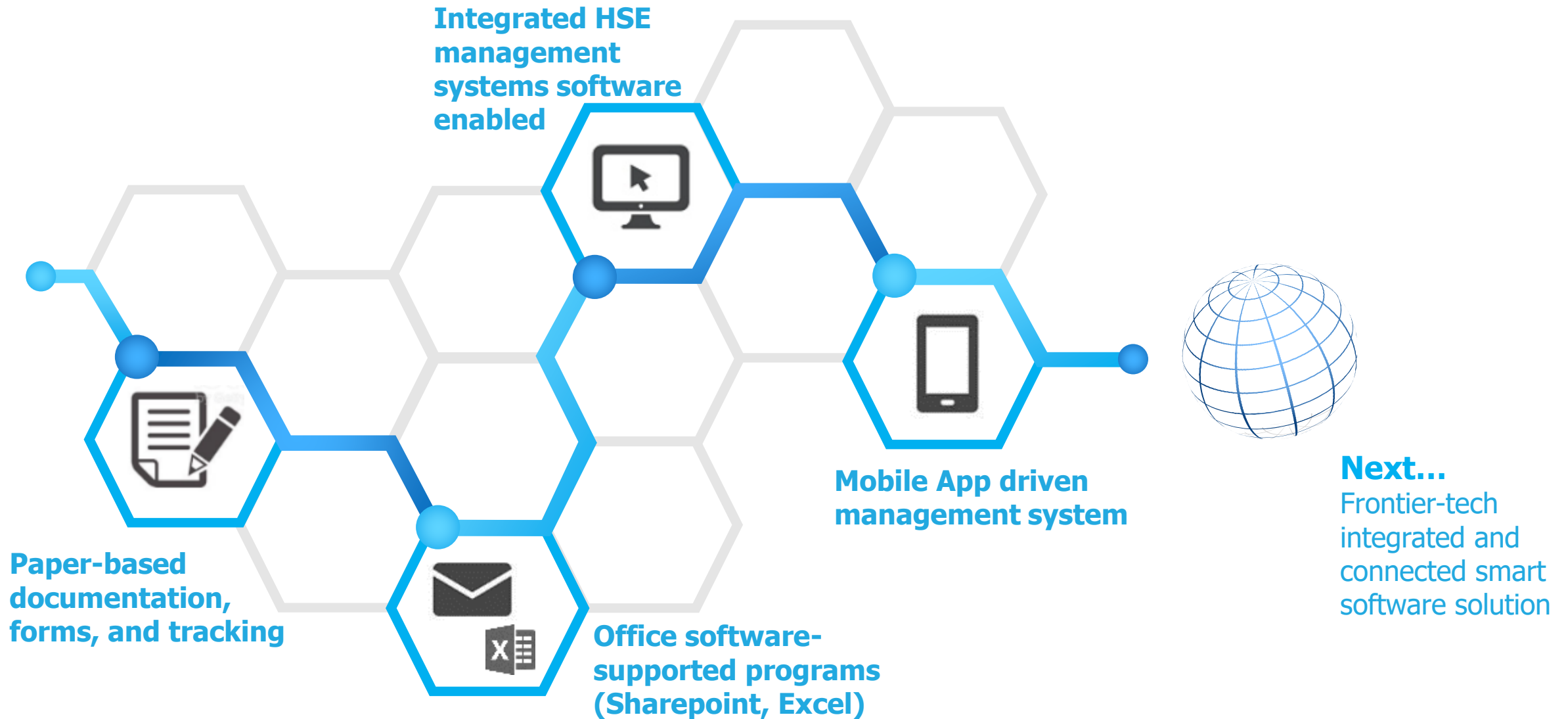
Automotive | Aviation & Aerospace | Chemical Operations | Conglomerate | Construction/Mining | Consumer Products | Distribution | Education & Research | EHS Consulting | Energy & Renewables | Entertainment, Media, & Telecommunications | Food & Beverage | Healthcare & Pharmaceuticals | Manufacturing | Packaging | Public Organization | Finance, Real Estate, & Property Management | Remediation – Env | Security Software & Systems | Transportation | Water Technology

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# HSE Systems Evolution



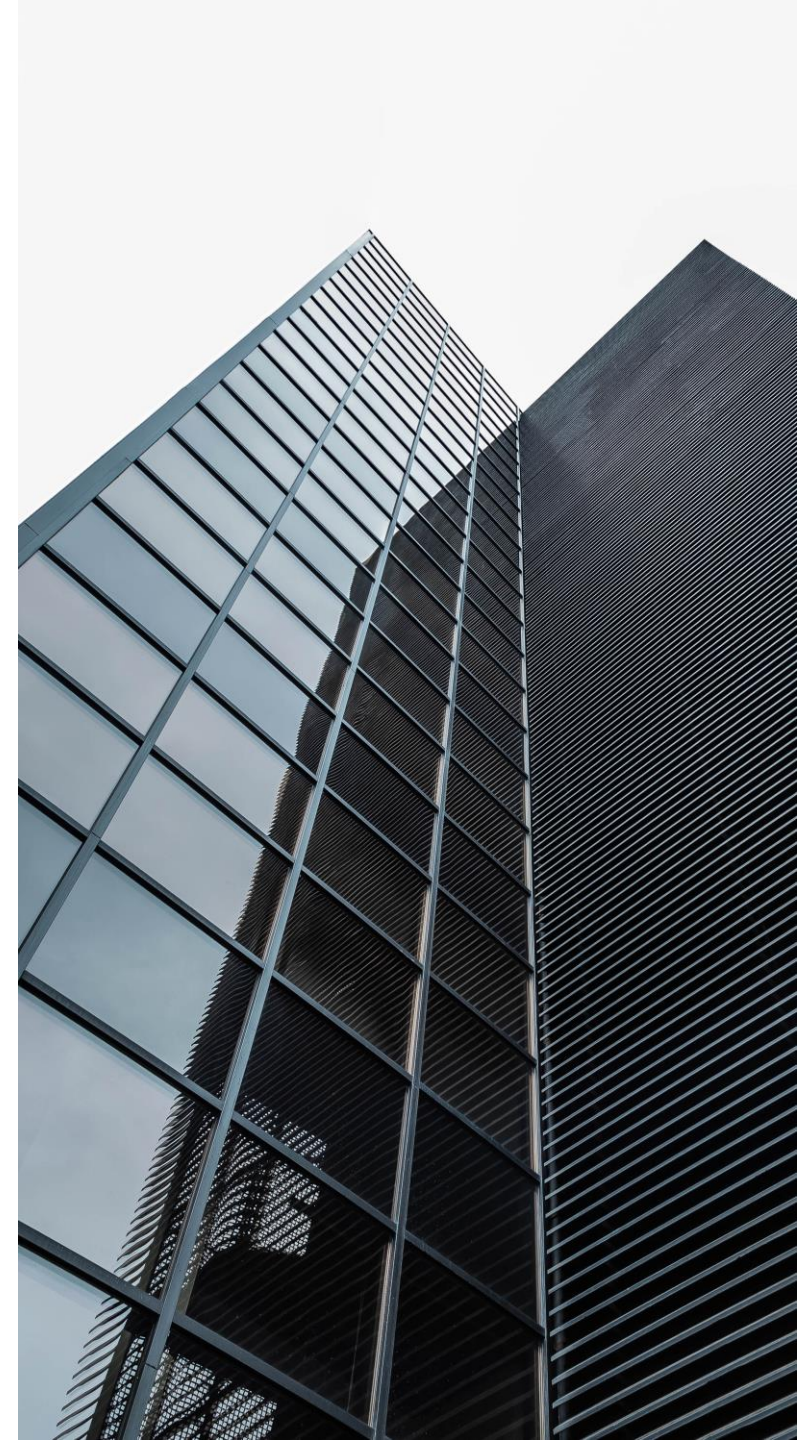
# | Digital HSE System

## Organizational/HSE Objective

- ❑ Avoid loss of **corporate reputation** from incidents
- ❑ Ensure **positive H&S/E record** with regulators
- ❑ Avoid **non-compliance** and penalties/fines
- ❑ Establish an effective enterprise-wide HSE & sustainability program
- ❑ Achieve best-in-class H&S/E performance, track success and drive employee engagement

## Digital System Capability

- ✓ Investigate **incidents** and track corrective actions
- ✓ Demonstrate **credible compliance** programs/systems to regulators
- ✓ Mitigate risk through **effective audits/inspections**
- ✓ Standardize key processes with common tools
- ✓ Establish performance metrics and dashboards for operations & executive management



# Comprehensive HSE Platform

- Intuitive ready-to-deploy functionality based on validated best practice processes for every H/S/E/S program area
- Intelligently interconnected application modules for process synergies and visibility
- Ready-to-use performance reports, dashboards, and charts



## Employee Engagement

Concern Reporting, Incident Management & Follow-up, Risk Assessments



## Operational Compliance

Inspections & Audits, Corrective Actions, Obligations Calendar



## Risk Mitigation & Control

Chemical, Training, Industrial Hygiene, LOTO Procedures, High Risk Operations

# Streamlining HSE: Incident Management Example

Connecting employees, operations and HSE

## Employee Safety Concern Reporting

Demonstration / Business Unit A - Demo

**Concern Reporting**  
Share it [facebook icon]

Export as Concern Report By Email

**1. What**

Description

Actions Taken To-Date (Optional)

**2. Where**

Site / Business Unit  
Demonstration / Business Unit A - Demo Change

Dept

## Incident Reporting & Investigation

Demonstration / Business Unit A - Demo

**Incident Reporting & Investigation**  
Add Case Detail

Case ID: 1234567890

Incident Date: 12/12/2017

Employee Name: John Doe

Location: 1234567890

Description: 1234567890

Person Involved: 1234567890

Day: 12/12/2017

Shift: 12/12/2017

Severity: 12/12/2017

Date Closed: 12/12/2017

Mobile Email ID: 1234567890

Email ID: 1234567890

Save

## Corrective Actions Follow-up

Los Angeles / Business Unit A - Demo

**Action Tracking System**  
Finding Detail #123

Finding ID: 1234567890

Finding Date: 12/12/2017

Finding Description: 1234567890

Responsible Person: 1234567890

Target: 1234567890

Action Type: 1234567890

Building: 1234567890

Finding Type: 1234567890

Workstation: 1234567890

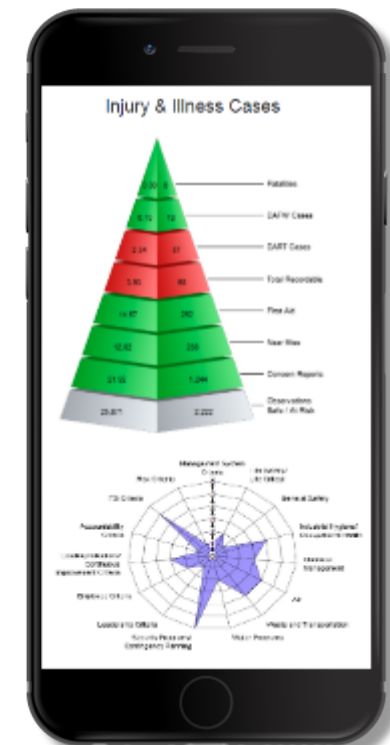
Finding Category: 1234567890

Contact: 1234567890

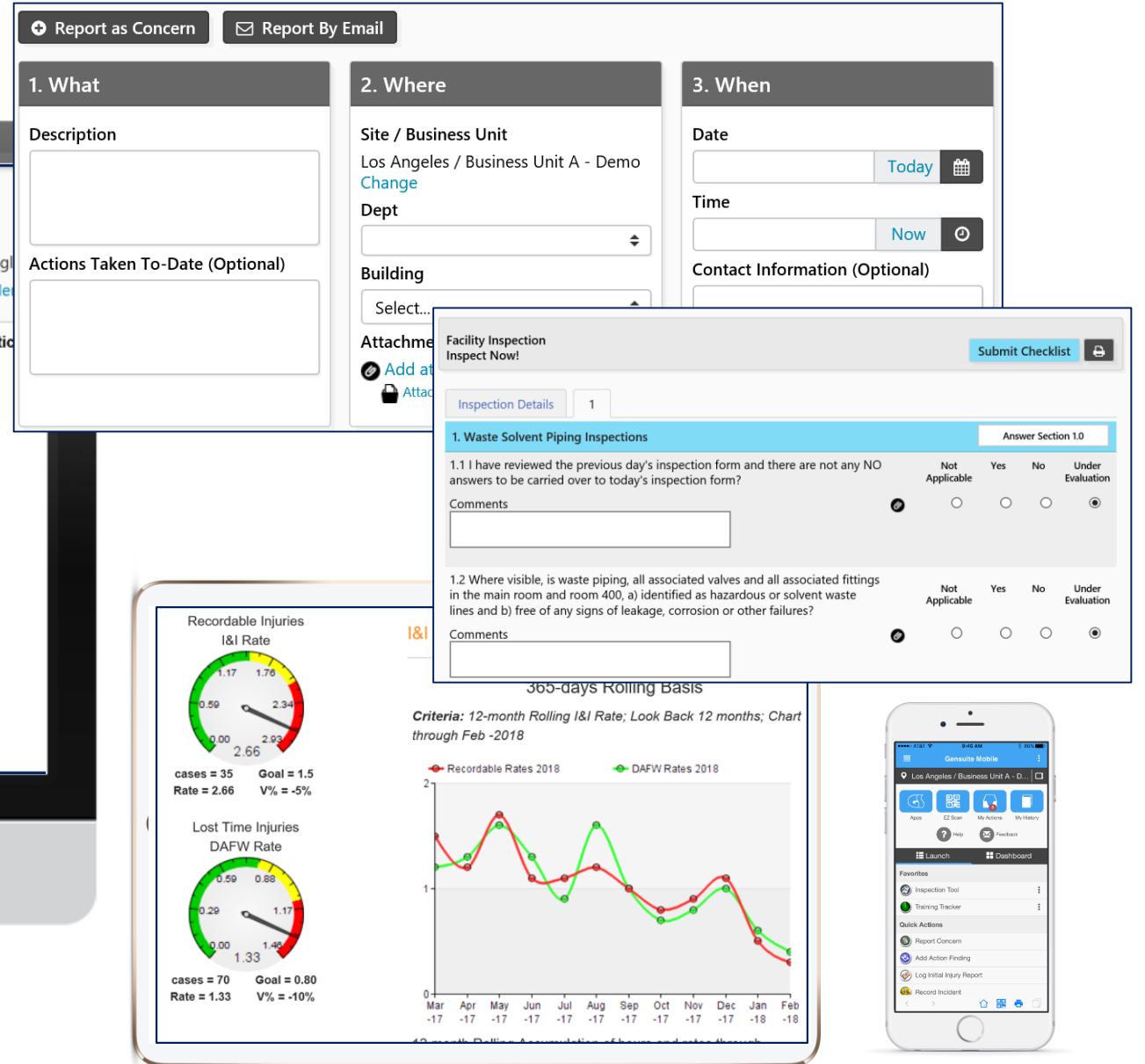
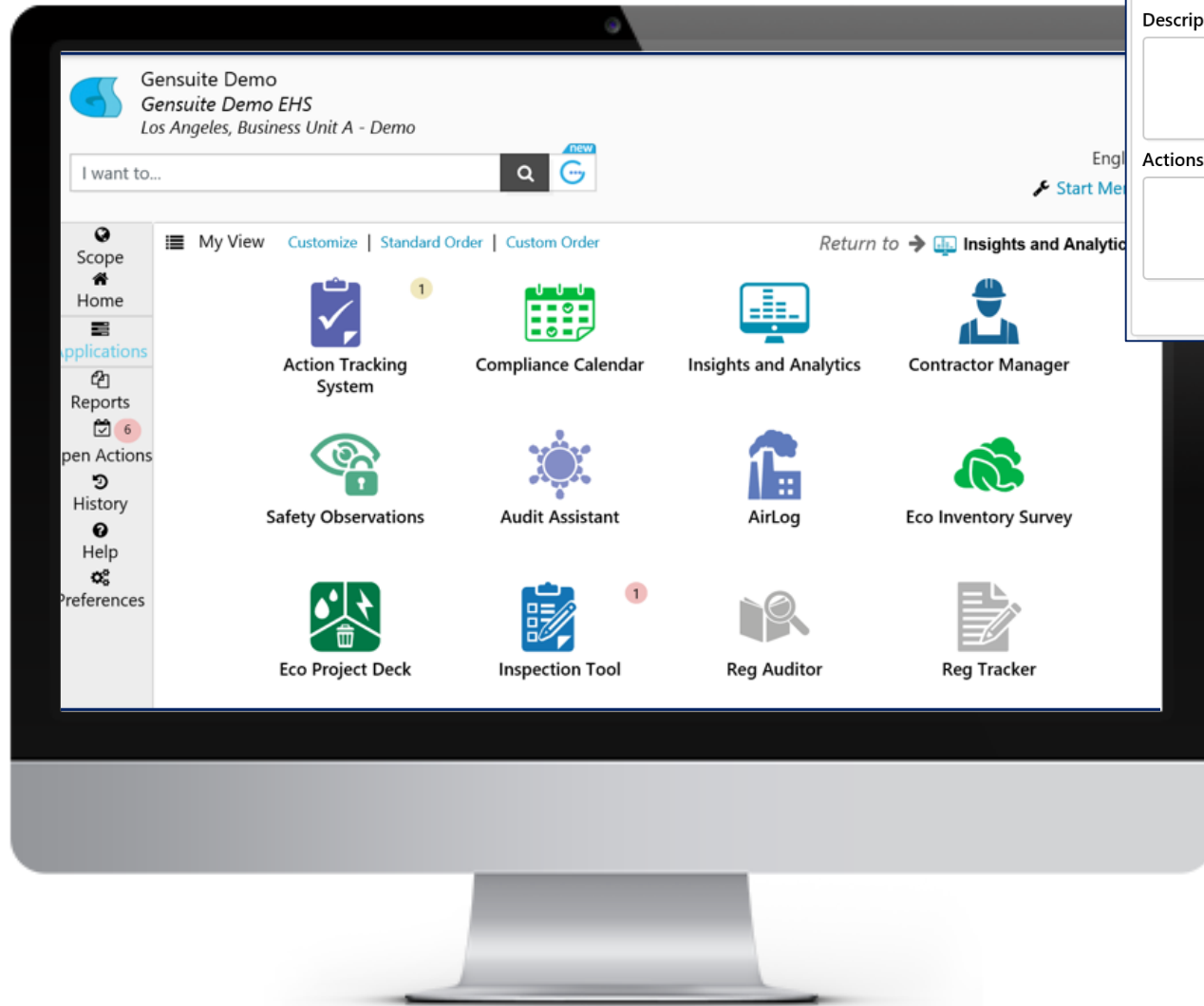
Nonconformity Item: 1234567890

Save

## Business Intelligence & Analytics



# Integrated Outputs





*Implement robust compliance programs & management systems  
for safety, health, environmental and sustainability excellence*

- ▶ AUDIT AND COMPLIANCE ASSURANCE
- ▶ INCIDENT MANAGEMENT
- ▶ SAFETY PROGRAMS & PROCEDURES
- ▶ ENVIRONMENTAL COMPLIANCE
- ▶ SUSTAINABILITY AND ENERGY MANAGEMENT
- ▶ MANAGEMENT SYSTEMS
- ▶ TRAINING COMPLIANCE
- ▶ CHEMICAL MANAGEMENT
- ▶ EMPLOYEE ENGAGEMENT
- ▶ CONTRACTOR MANAGEMENT
- ▶ EQUIPMENT SAFETY & MAINTENANCE
- ▶ CHANGE MANAGEMENT
- ▶ ENVIRONMENTAL REMEDIATION

# Gensuite EH&S and Sustainability

## Key Differentiators

- Intuitive functionality modeled on validated best practice processes for every EH&S program area
- Intelligently interconnected applications, enabling cross-program synergies and process visibility
- Ready to use trend and performance analytics with customizable reports, dashboards, and innovative charting options





































# Gensuite PS Matrix

## Regulatory Framework

- OSHA 29 CFR 1910.119 – Process Safety Management
- US EPA Title 40 CFR Part 68 – Risk Management Program
- EU Council Directive 2012/18/EU – Seveso III Directive

## Managing Requirements

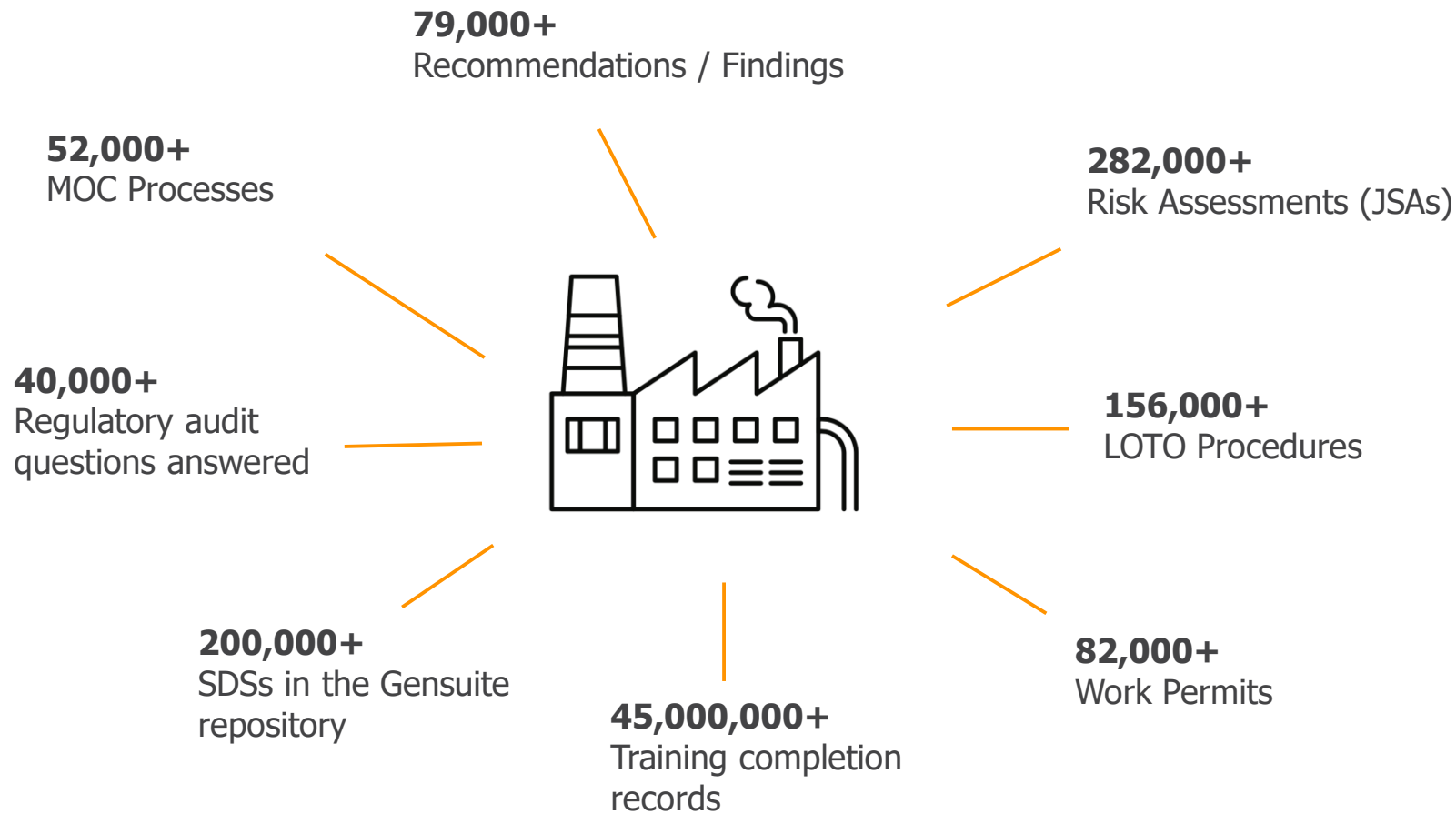
- Modular solutions with both configuration options to support breadth of PS requirements

PSM Requirement	Gensuite Applications
Employee Participation	  
Process Safety Information	 
Process Hazard Analysis	   
Operating Procedures	   
Training	 
Contractors	 
Pre-Startup Safety Review	 
Mechanical Integrity	   
Hot Work	
Management of Change	 
Incident Investigation	  
Emergency Planning and Response	 
Compliance Audits	  
Trade Secrets	 

# Process safety data & Gensuite

# Companies Managing PS Requirements using Gensuite: 65+

# Sites Managing PS Requirements in Gensuite: 1,800+



# Robust Tools for Process Safety Management

## Incident Investigations

## Management of Change

## PHA

## Training Management

## Action Tracking

Core Features



### Incidents & Measurements

- ✓ **Report instantly** any PSM incident associated with covered-process, notify and escalate as needed;
- ✓ Complete **Root Cause Analysis** and investigations with robust form and different tools;
- ✓ Provide intelligent analytics for PSM related incidents;
- ✓ Integrate with Initial Injury Reports to **track contractor incidents**.



### MOC Manager

- ✓ **Digitize and standardize MOC procedure** to track a change request through Request for Approval, Execution and Follow-up;
- ✓ **Intelligent and flexible assignment of paths** based on screening questionnaire feedback;
- ✓ **Assign responsibilities** to individuals for actions, input, review, approval;
- ✓ Incorporate **PSSR checklist** and review before execution.



### PHA Manager

- ✓ **Track PHA** for individual covered-process;
- ✓ Document PHA methodology, team members, and current/previous assessment details;
- ✓ Record **recommendations** from PHA;
- ✓ Manage **the list of covered-processes** at each site.



### Training Tracker

- ✓ Setup training courses and **training matrix**;
- ✓ **Assign trainings** to employees by scope/role/task;
- ✓ **Track completion status** of employee trainings and provide real-time reports;
- ✓ Integrate with company LMS platform.



### Action Tracking System

- ✓ Track findings and corrective actions to closure;
- ✓ Enable **sub-action tracking**;
- ✓ Assign action items to responsible person;
- ✓ Provide optional **closure verification** step;
- ✓ Generate analytics reports and email summary.

Values

- Standard reporting form
- Full documentation & traceability
- Instant reminder
- RCA tools
- Trackability & documentation
- Stakeholder engagement
- Integration with other programs
- Flexibility based on MOC complexity
- Full documentation & traceability
- Process-specific information
- One-stop overview for site PHA
- Actionability through assigned tasks
- Trackability of employee trainings
- Quick review of qualifications
- Documentations
- Manage and remind upcoming trainings
- Documentation of (PHA) findings
- Reminder and tracking of closure
- Verification and approval
- Insights about issues and improvement areas

Other PS Program Areas	Gensuite PS Modules
Employee Engagement	Concern Reporting & Safety Observations
Safety-critical Equipment Maintenance	Equipment Tracker & Maintenance Manager
Audits & Inspections	Reg Auditor & Inspection Tool
Process Safety Information	Doc Manager

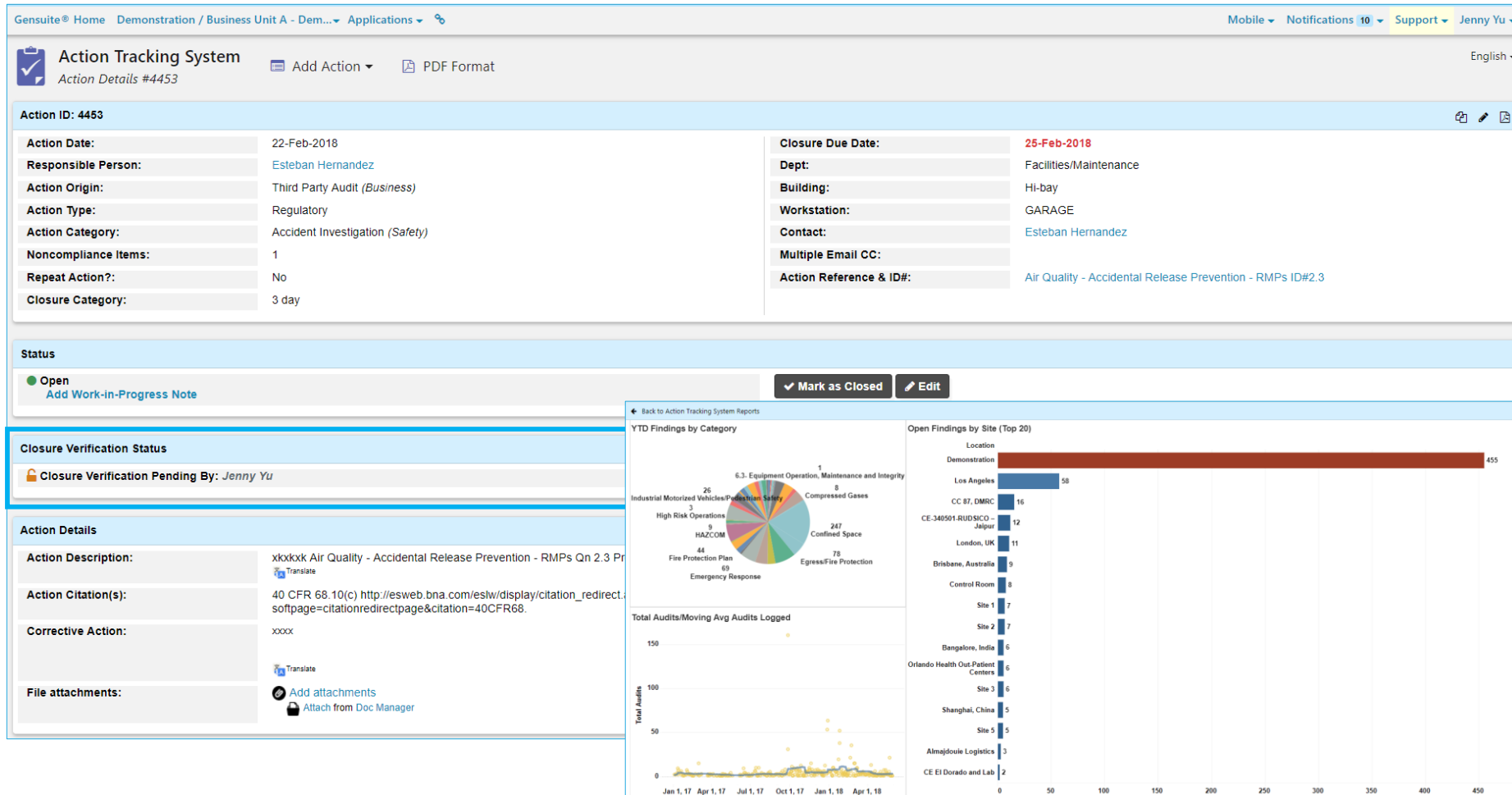


# Finding & Action Tracking

## Action Follow-up and Verification



### Action Tracking System

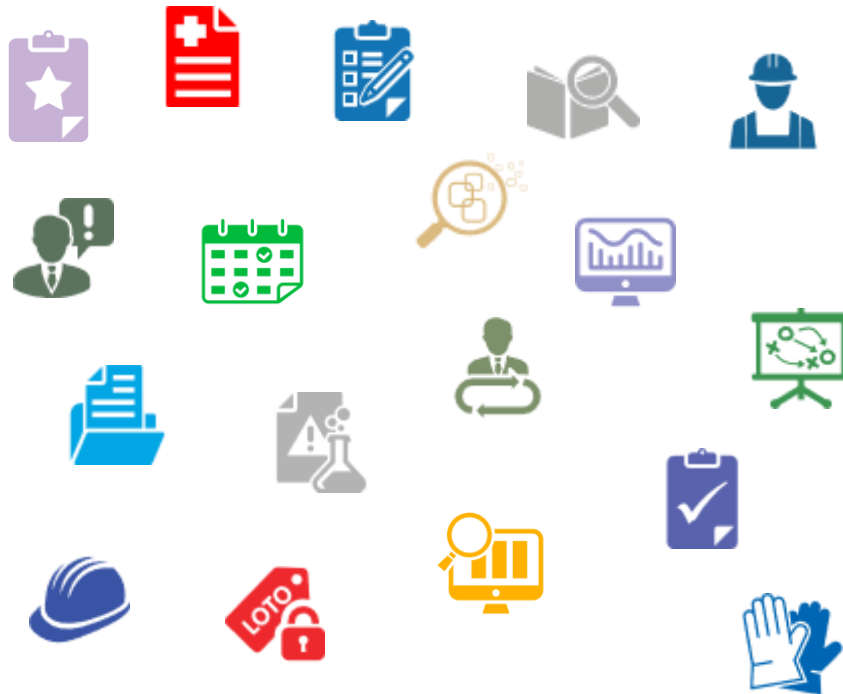


### Top 5 Benefits

- ✓ Track findings and corrective actions to closure;
- ✓ Enable **sub-action tracking**;
- ✓ Assign action items to responsible person;
- ✓ Provide optional **closure verification** step;
- ✓ Generate analytics reports and email summary.

# Next Generation Evolution

## Now: Process Safety Data Tracking



- Covered process information is **tracked separately** by EHS program area
- **Corporate governance** expects enhanced Process Safety performance
- **Serious Process Safety events**, fatalities and injuries persist
- **Regulations** scheduled for revision, but slow to finalize
- **Connectivity of the elements** and management of information is critical to overall program effectiveness

## Next: Integrated Process Safety



# Implementation Benefits

1. Sustained enterprise compliance and risk management
2. Enhanced employee engagement, collaboration and productivity
3. Consistent, streamlined processes for efficiency, best-practice sharing and continuous improvement
4. Reduced cost from simplified processes, elimination of ineffective systems
5. Cost savings from enhanced productivity; reduced lost time and business disruption; and penalty avoidance
6. Enhanced operations integration, performance transparency and accountability

