

A background image showing a worker in a white hard hat and light-colored uniform walking up a metal staircase with yellow railings. The scene is partially obscured by a large, light green circular graphic on the left side of the slide.

Take EHS Management Beyond Compliance to Achieve EHS Excellence

13th April 2021



David Smith
Commercial Director,
EHS




Rebecca Parton
Strategic Account
Manager, EHS

WHO IS SAI GLOBAL?



Risk

SAI360 is a cloud-first risk management platform with modern ethics and compliance learning content.



Assurance

Assurance delivers more than 125,000 audits and trains over 100,000 people each year to Quality Assurance standards.



Standards

We provide over 1.5 million **standards** from more than 350 publishers. Discover the widest selection of International Standards – all in one place.

SAI360 Platform

- Cloud-first risk management platform
- Broadest Use Cases for digitizing Risk, Compliance and EHS.
- Ethics and compliance learning content, training and codes of conduct



Agenda

1

The pros and cons and the potential gaps of focusing on compliance through certification.

2

Principles of ISO 31000 for a more flexible approach to managing risks and the common barriers preventing a risk-based approach

3

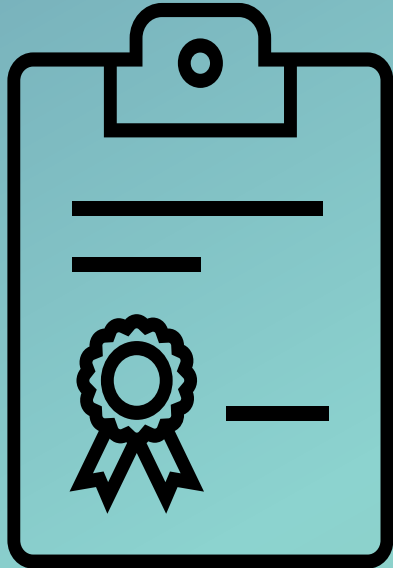
Using technology to demonstrate compliance to regulators and support a risk-based approach



Where are we now....

- World is gradually emerging from COVID
- Evaluating business impacts or opportunities
- Future for some is uncertain or path forward may be unclear

1



The pros and cons of relying on certification to deliver compliance as part of your risk management processes

The potential gaps if you focus solely on a compliance-based approach

What's driving the perceived need for more robust compliance programs?



Organizations are becoming more complex



Competition and regulation is intensifying



Companies need to maintain compliance AND keep up with the ever-quickenning pace of business!

Benefits of Management Systems & Certification



Identify Risk and Opportunities



Greater efficiency and less waste



Prevent problems from reoccurring



Better Internal Communications



Improve Control Over the business



Improved Risk Management

Practical Considerations

- Scope & Design of Management System **VS.** Business Context & Strategy
- Business Strategy **VS.** Structure & Resource Capacity/Capability
- Management System Processes **VS.** ISO Standard Requirements
- Preferred Culture & Attitude **VS.** Actual Culture & Attitude
- Planned Management System Results **VS.** Actual Results



It is not getting easier!



Hard Risks and Softer
Unseen Risks



EHS Practitioners – Clutter &
Busywork!



Ever-changing regulatory
requirements – Tougher
Penalties



Worker Engagement

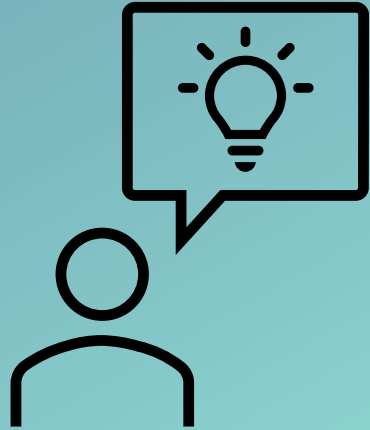


Information for
effective decisions to
be made



Adapting EHS to hyper-speed
world

2



Principles of ISO 31000 that offer a more flexible approach to managing risks and increasing your level of maturity

The common barriers preventing a risk-based approach to managing EHS and practical considerations for effective risk management




As EHS professionals
we need to support a
shift to a more
integrated
and strategic outlook

Integrated risk management approach

- Understand all material risks in aggregate – not just in isolation
- Use to inform decisions about strategy whilst supporting the business in its management of day-to-day operational risks
- Review and strengthen existing risk monitoring and governance framework





How can I focus
in on the most
important risks
and eliminate
blind spots?

ISO 31000:2018

Main changes from 2009


- Review of the ***principles*** of risk management
- Highlighting of the leadership by top management and the ***integration*** of risk management, starting with the governance of the organisation
- Greater emphasis on the ***iterative nature*** of risk management
- Streamlining of the content with greater focus on sustaining an open systems model to fit ***multiple needs and contexts***

Risk analysis,
using bowtie
or through
traditional
risk registers,
allows you to:

Anchor	Anchor your focus on risk management, and particularly critical controls, during disruptive events
Identify	Identify unintended consequences where controls potentially conflict with each other and may result in confusion at an operational worker level
Provide	Provide objective reporting to help prioritize actions and prevent blind-spots
Engage	Engage workers in risk management discussions and increase focus on the reality of control implementation and effectiveness

Start by reviewing your risks holistically and deeply understand how your controls relate



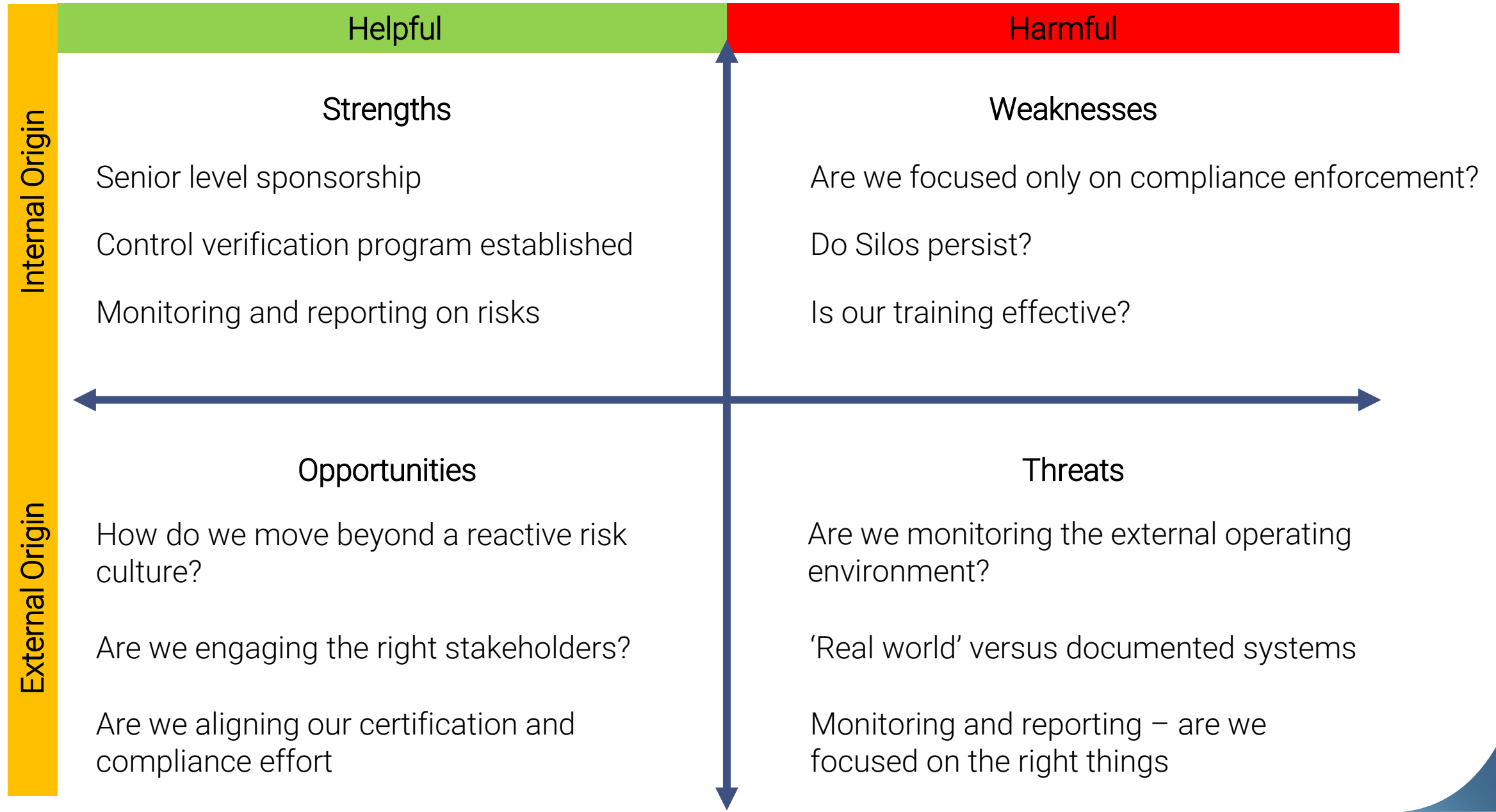


What barriers
will I need to
overcome?



How cluttered is your current risk management system

- Does your business still operate in siloes or have you achieved an appropriate level of integration?
- In what ways have you had to respond to the health pandemic – is this your next normal?
- What data do you have that can help you shape a lighter and more responsive risk management system?



Useful organisational 'checklist': Due diligence obligations, HSWA 2015

Think: 'How do I....'



CONTINUOUSLY LEARN
ABOUT AND KEEP UP TO
DATE WITH WORK HEALTH
AND SAFETY ISSUES



UNDERSTAND THE WORK OF
THE ORGANISATION



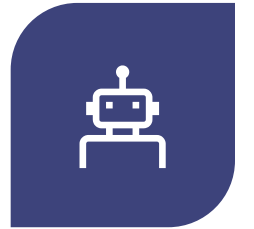
CHECK THE ORGANISATION
HAS PROCESSES AND
APPROPRIATE RESOURCES
TO ELIMINATE OR MINIMISE
RISKS TO HEALTH AND
SAFETY, AND USES THEM



CHECK THAT THE
ORGANISATION HAS
PROCESSES IN PLACE TO
COMMUNICATE
INFORMATION ABOUT WORK
HEALTH AND SAFETY AND TO
RESPOND TO THAT
INFORMATION

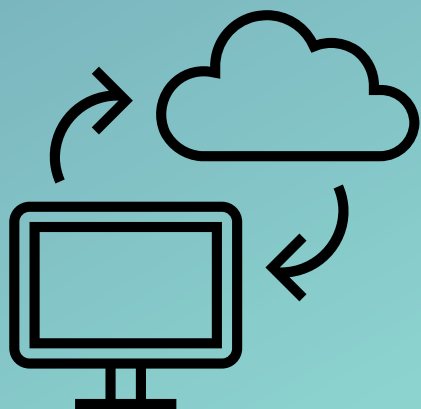


CHECK THE ORGANISATION
HAS PROCESSES IN PLACE
TO COMPLY WITH ANY
DUTIES AND REQUIREMENTS
UNDER THE HSWA, AND USES
THEM



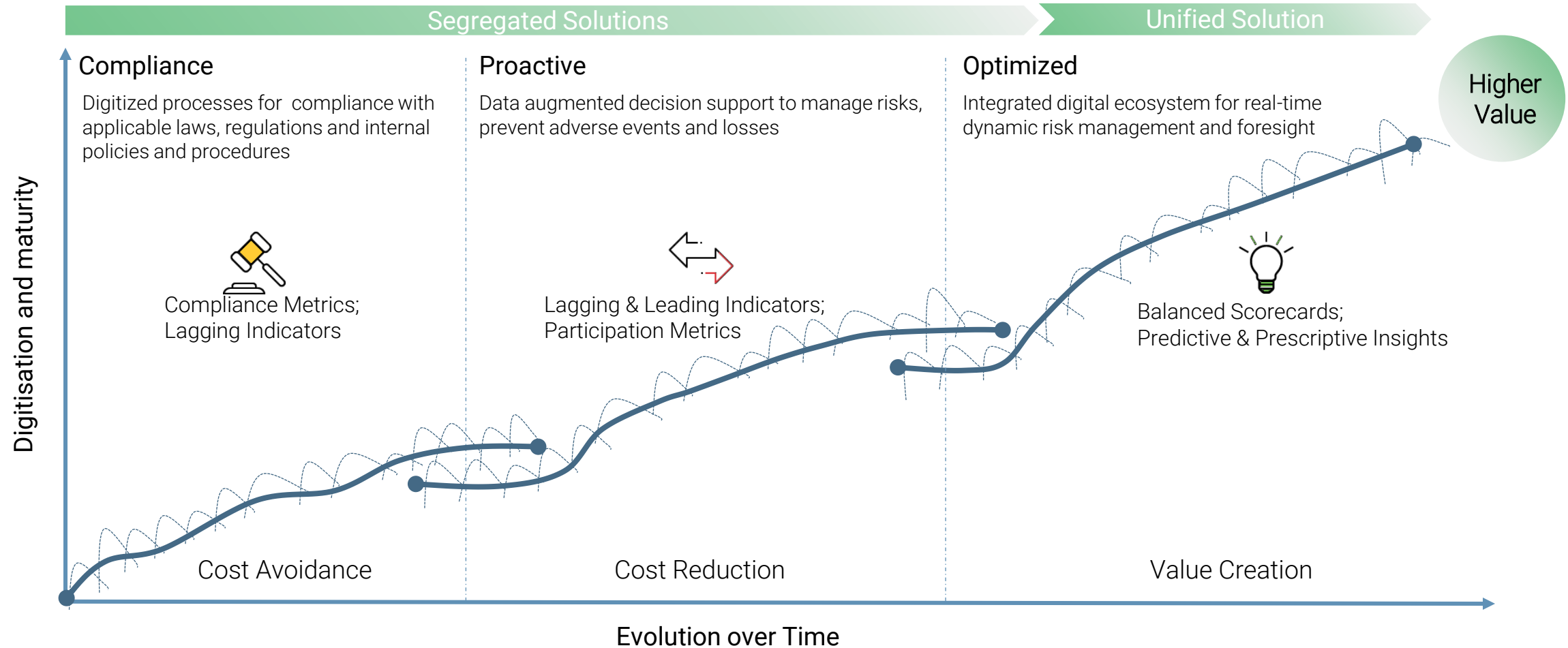
VERIFY THAT THESE STEPS
HAVE BEEN CARRIED OUT

3



How the use of technology can not only help you demonstrate compliance to regulators but support a risk-based approach for effective and dynamic management of EHS.

Digitisation is not a linear journey



Cloud Software and Mobile App

Modular EHS platform accessible via
modern browsers and mobile
applications with no IT overhead



Digitise, scale and unify processes

- Operationalise management systems and processes
- Digitised workflows



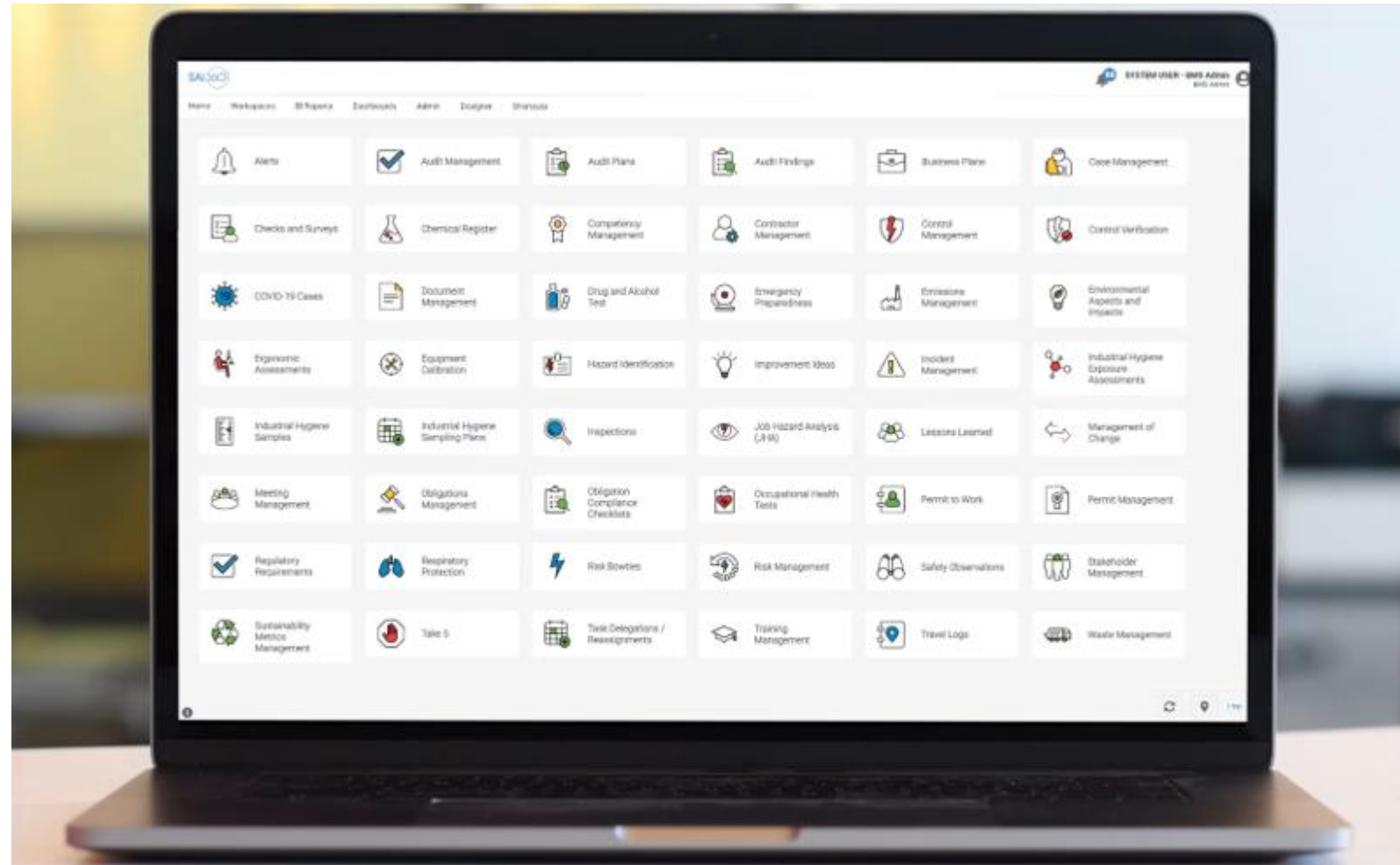
Average days to complete investigation
dropped by 60%



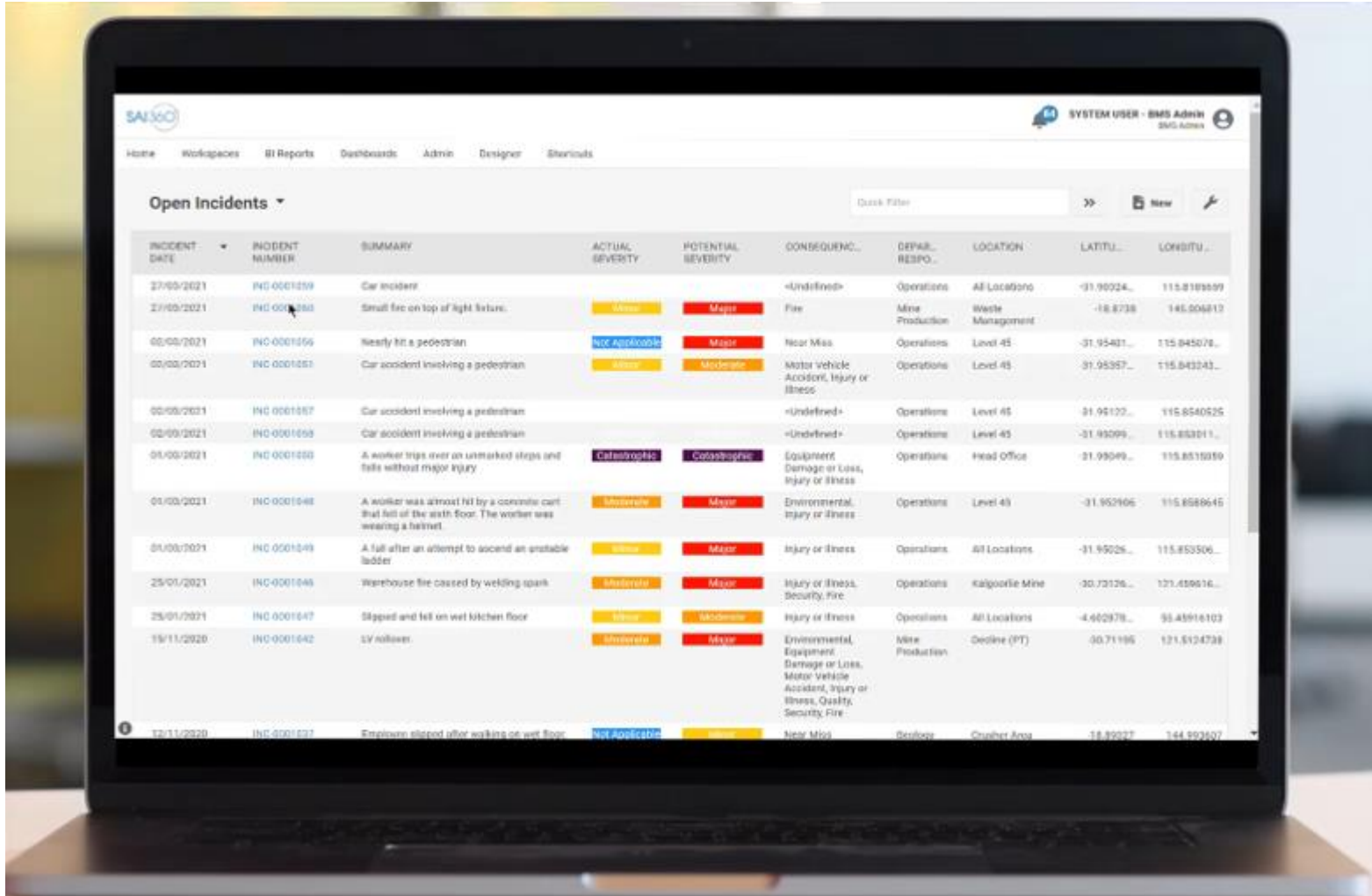
59% → 98%

Hazard Close Out Rates from
59% to 98%

- Reduces data management and administrative burdens

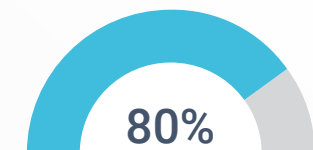


Drive accountability



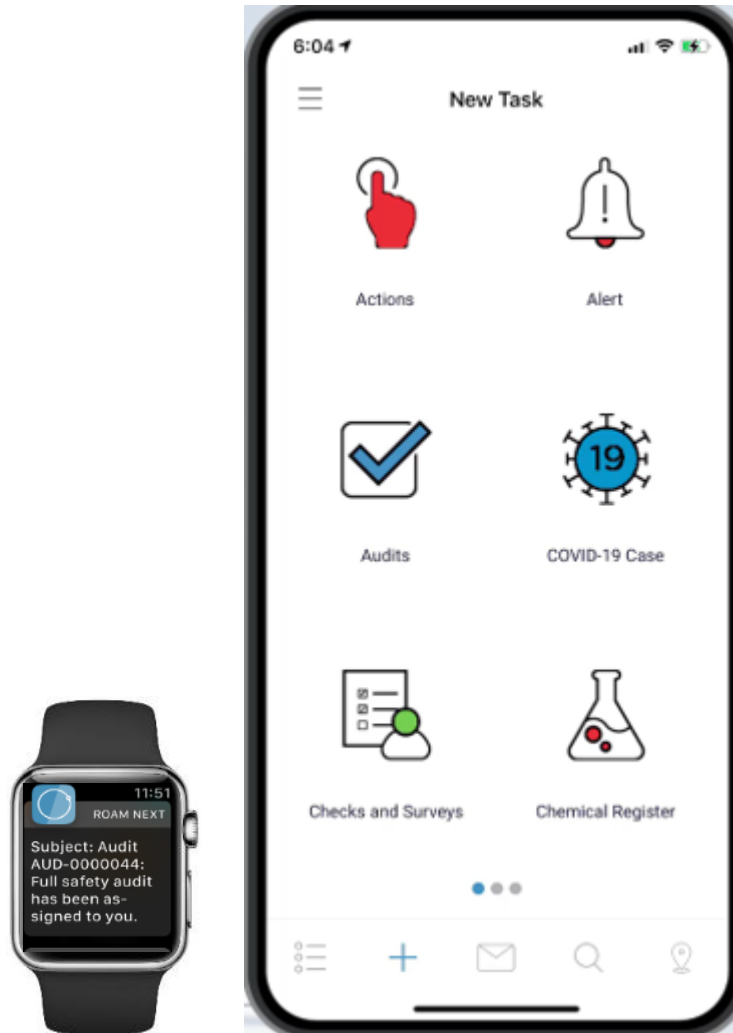
INCIDENT DATE	INCIDENT NUMBER	SUMMARY	ACTUAL SEVERITY	POTENTIAL SEVERITY	CONSEQUENCE	REPAIR/RESPONSE	LOCATION	LATITUDE	LONGITUDE
27/05/2021	INC-0001059	Car incident	Minor	Major	«Undefined»	Operations	All Locations	-31.90024...	115.8189099
27/05/2021	INC-0001060	Small fire on top of light fixture.	Minor	Major	Fire	Mine Production	Waste Management	-18.8738	145.004813
02/05/2021	INC-0001056	Nearly hit a pedestrian	Not Applicable	Major	Near Miss	Operations	Level 45	-31.95401...	115.845078...
02/05/2021	INC-0001051	Car accident involving a pedestrian	Minor	Minor	Motor Vehicle Accident, Injury or Illness	Operations	Level 45	-31.95357...	115.843243...
02/05/2021	INC-0001057	Car accident involving a pedestrian	Minor	Major	«Undefined»	Operations	Level 45	-31.95122...	115.8540525
02/05/2021	INC-0001058	Car accident involving a pedestrian	Minor	Major	«Undefined»	Operations	Level 45	-31.95099...	115.853011...
03/05/2021	INC-0001050	A worker trips over an unmarked steps and falls without major injury	Catastrophic	Catastrophic	Equipment Damage or Loss, Injury or Illness	Operations	Head Office	-31.95049...	115.8515059
04/05/2021	INC-0001048	A worker was almost hit by a concrete cart that fell off the sixth floor. The worker was wearing a helmet.	Minor	Major	Environmental, Injury or Illness	Operations	Level 45	-31.952905	115.8588645
04/05/2021	INC-0001049	A fall after an attempt to ascend an portable ladder	Minor	Major	Injury or Illness	Operations	All Locations	-31.95026...	115.850506...
25/01/2021	INC-0001046	Warehouse fire caused by welding spark	Minor	Major	Injury or Illness, Security, Fire	Operations	Kalgoorlie Mine	-30.72126...	121.459616...
25/01/2021	INC-0001047	Slipped and fell on wet kitchen floor	Minor	Minor	Injury or Illness	Operations	All Locations	-4.402978...	95.45916103
19/11/2020	INC-0001042	LV rollover.	Minor	Major	Environmental, Equipment Damage or Loss, Motor Vehicle Accident, Injury or Illness, Quality, Security, Fire	Mine Production	Decline (PT)	-30.71196	121.5124738
12/11/2020	INC-0001037	Employee slipped after walking on wet floor	Not Applicable	Minor	Near Miss	Geology	Crawler Area	-18.89027	144.992607

- Automate and assign tasks and actions
- Manage team activities
- Online to-do lists
- Track completion rates

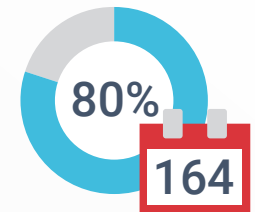


80% Reduction in
Open and Overdue Tasks &
Actions

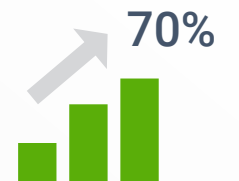
Engagement & communication



- Capture more data, anywhere and faster
- Alerts for real-time communications
- Improves task and action completion
- Location-Aware Information
- Information when and where needed



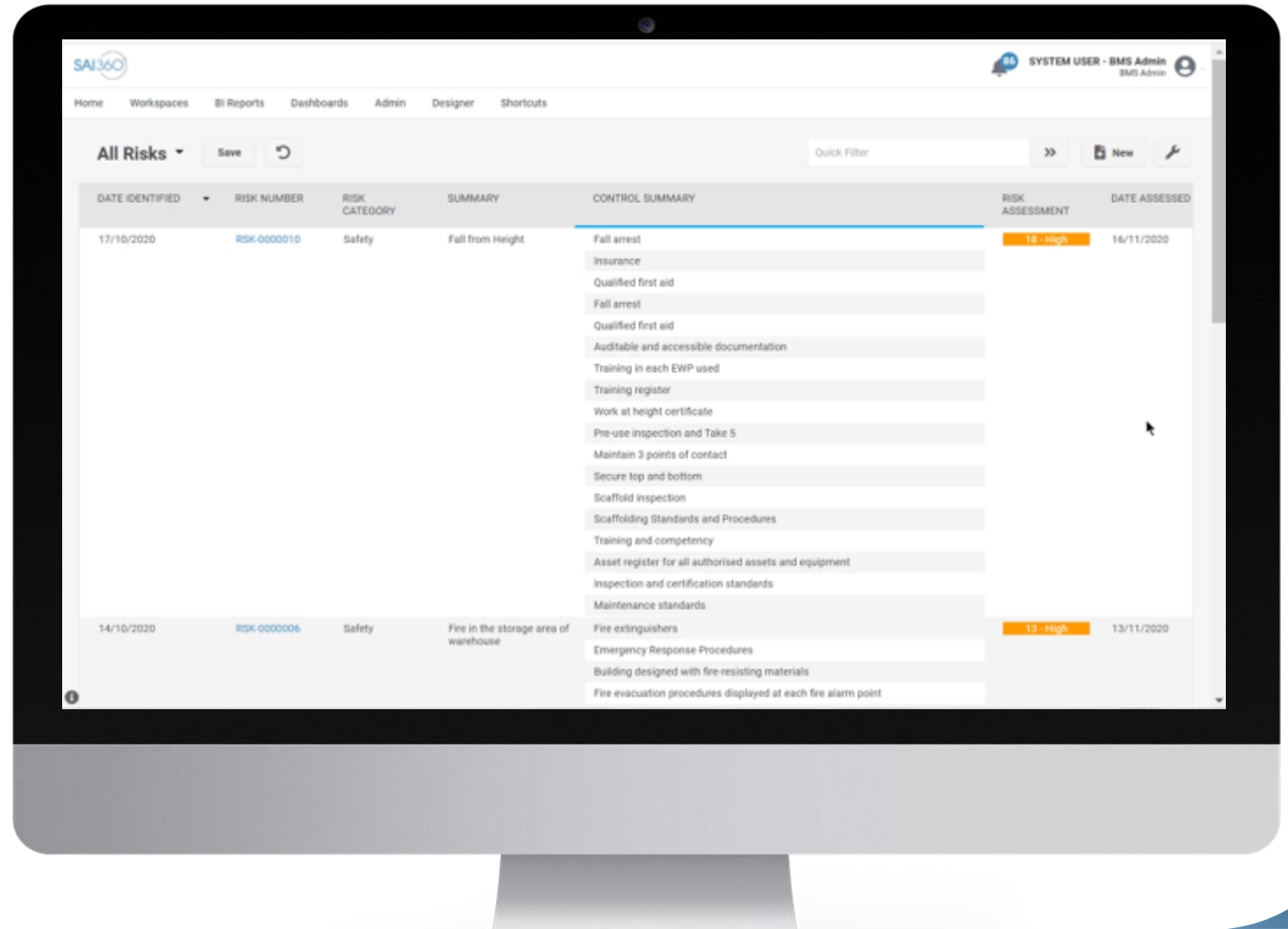
80% Mobile Adoption
 Time Savings of
164 Man Days per month



70% increase for
 near miss reporting

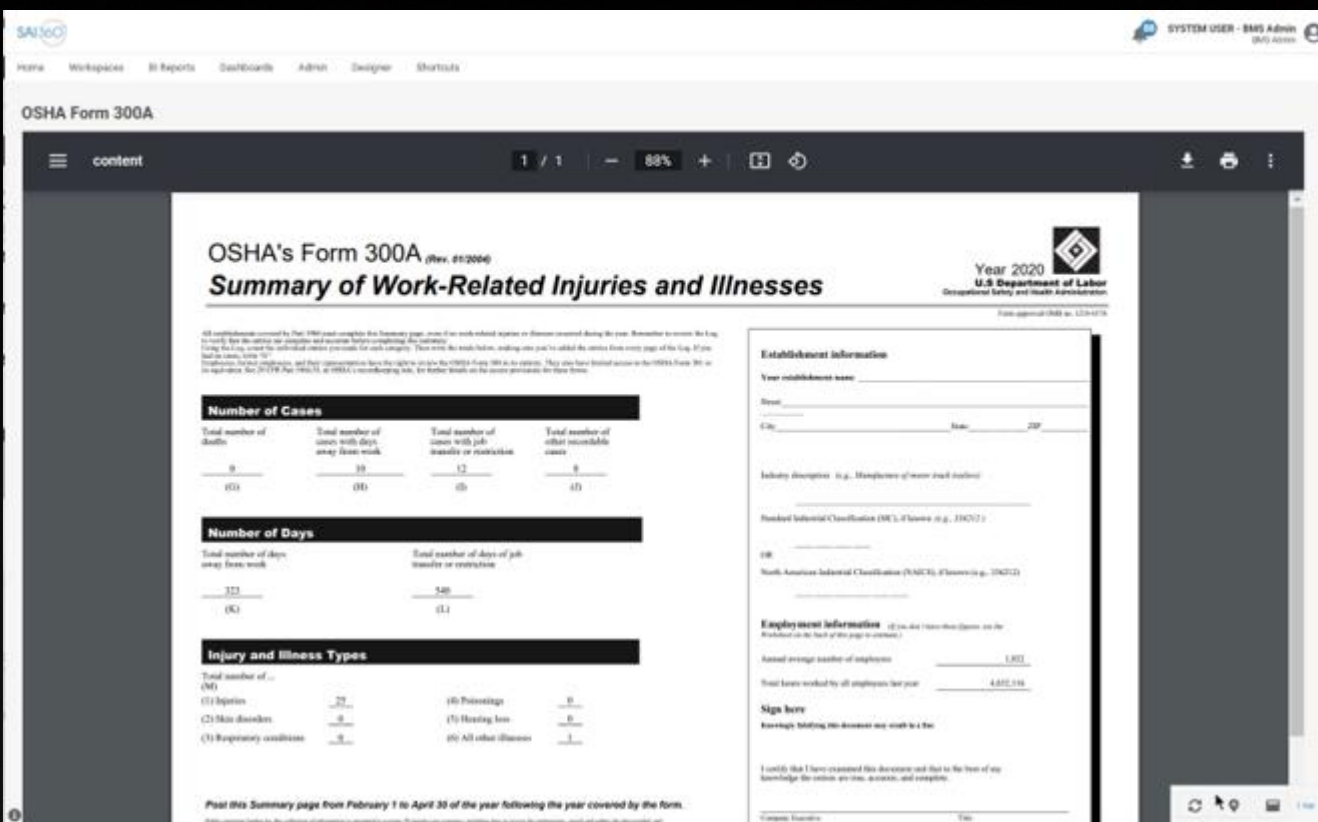
Control risks and hazards

- Unified view of hazards, risks and controls
- Defined process with continuous reviews
- Easy to visualise
- Focus on critical controls
- Review Performance



Business intelligence

- Information driven EHS performance improvement



OSHA's Form 300A (Rev. 01/2004)
Summary of Work-Related Injuries and Illnesses

Year 2020
 U.S. Department of Labor
 Occupational Safety and Health Administration

Number of Cases

Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction	Total number of other recordable cases
0	39	12	8
(A)	(B)	(C)	(D)

Number of Days

Total number of days away from work	Total number of days of job transfer or restriction
773	140
(E)	(F)

Injury and Illness Types

Total number of ...	(1) Injuries	(2) Skin disorders	(3) Respiratory conditions	(4) Poisonings	(5) Hearing loss	(6) All other illnesses
(A)	29	0	0	0	0	1

Establishment Information

Year establishment was in business: _____

Street: _____

City: _____ State: _____ ZIP: _____

Industry description (e.g., Manufacturer of metal tank trailers): _____

Standard Industrial Classification (SIC) (e.g., 336211): _____

NAICS (North American Industrial Classification) (e.g., 336211): _____

Employment Information

Total average number of employees: 1,000

Total hours worked by all employees last year: 4,832,116

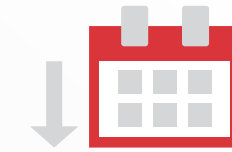
Sign here

Knowingly falsifying this document may result in a fine.

I certify that I have examined this document and that to the best of my knowledge the entries are true, accurate, and complete.

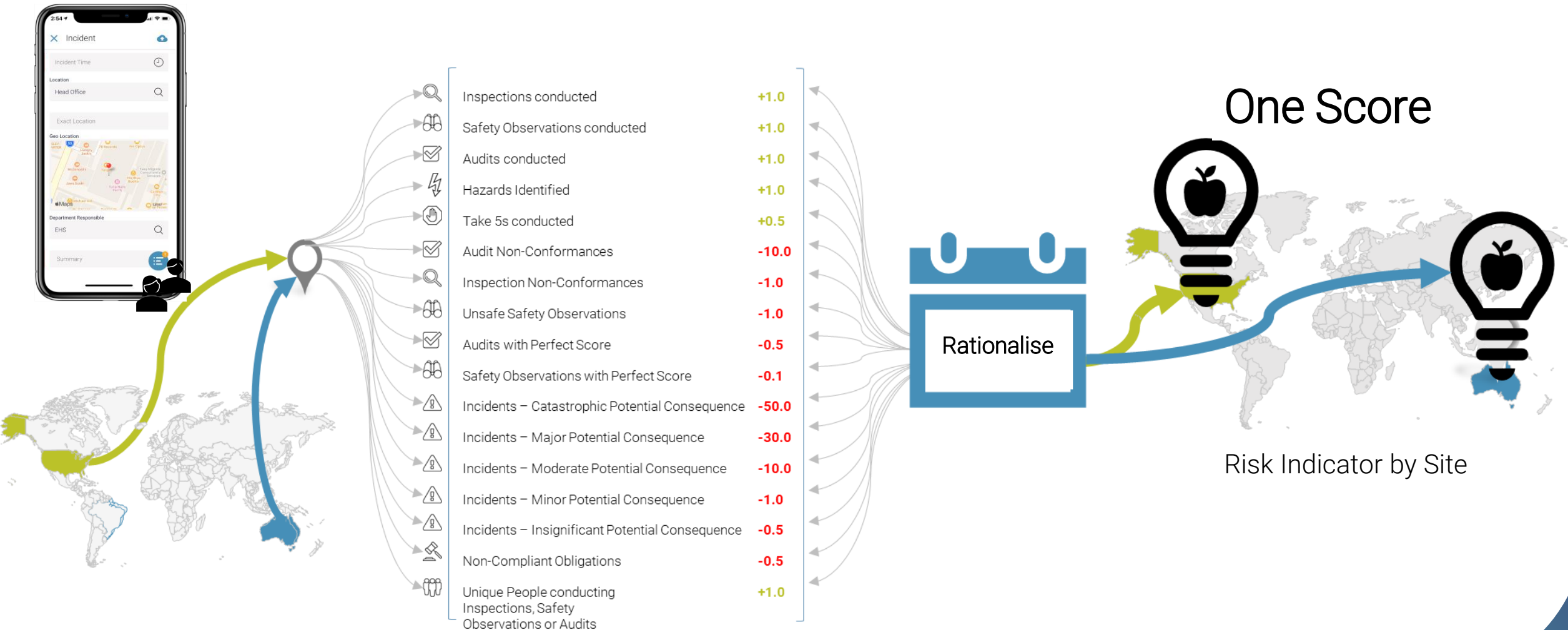
Signature: _____ Title: _____

Post this Summary page from February 1 to April 30 of the year following the year covered by the form.



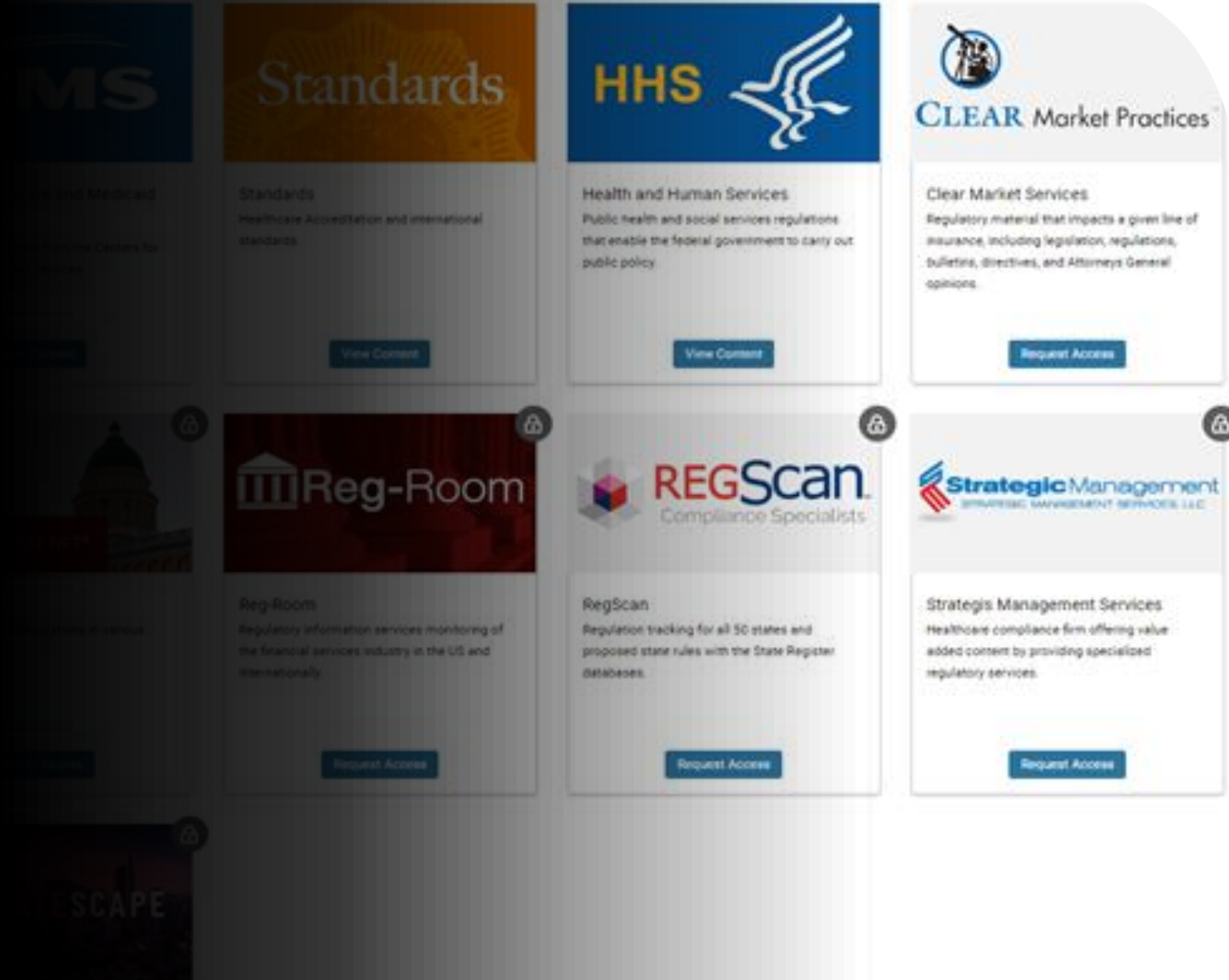
Faster & accurate reporting –
 from **3 months** to **2 weeks**
 per year

Unified processes brings new data points for a superior measurement framework



Online Content Databases

Regulatory or SDS online databases



Online Content Solutions

REGULATIONS

Revisions between 9/7/2018 and 2/15/2019.
Click on the changed parts for a detailed description. Use the left and right arrow keys to walk through the roadforcast.

Environment Protection and Biodiversity Conservation Regulations

Heading	Caption	Summary	Guide Note
Risk Area	Environmental	The purpose of these regulations is to supplement and give effect to provisions of the EPBC Act dealing with environmental assessment and approval, conservation of biodiversity, various conservation principles, enforcement, and administrative matters. These regulations will result in stronger protection for the environment, a more streamlined environmental assessment and approval process, and a reduction in inter-governmental duplication.	Environment Protection and Biodiversity Conservation Regulations 2000, Statutory Rules No. 181, 2000, Compilation No. 2822
Title	Environment Protection and Biodiversity Conservation Regulations		Date of Commencement: 16 July 2000 <i>Revised Australian Government Statutory Rules and Biodiversity Conservation Amendment (Great Barrier Reef) Regulations 2018</i>
Full Text	SR 2000 No. 181		2018 Customs and Office Legislation Amendment (Australian Border Force) Regulations 2018
Governing Body	Department of Environment and Energy		Regulations 2018 Environment Protection and Biodiversity Conservation Amendment (Great Barrier Reef) Regulations 2018
Current Effective Date	01/10/2018		06/12/2018
Reference Links	1. Environment Protection and Biodiversity Conservation Act 1999 2. Amendment History		Regulations 2018 Environment Protection and Biodiversity Conservation Amendment (Data Specimens) Regulations 2018 Regulations 2018 Environment Protection and Biodiversity Conservation Amendment (For the Wildlife Trade Permit) Regulations 2018
Changes	Change Summary		Last Amended by: Australian Radiation Protection and Nuclear Safety (Repatriation and Conservation Amendment) Regulations 2018
Details	Amend Questions		
RegCode ID	5		

- Regulatory Information In One Place
- Consistent & Transparent

OBLIGATIONS

ACTION PLANS



Set Frequency



Task Assignee

ACTIONS & NOTIFICATIONS

- Automate Tasks To Drive Accountability,
- Set-and-forget And Manage By Exception

Digital Training Solution

Training provided virtually, anytime and anywhere

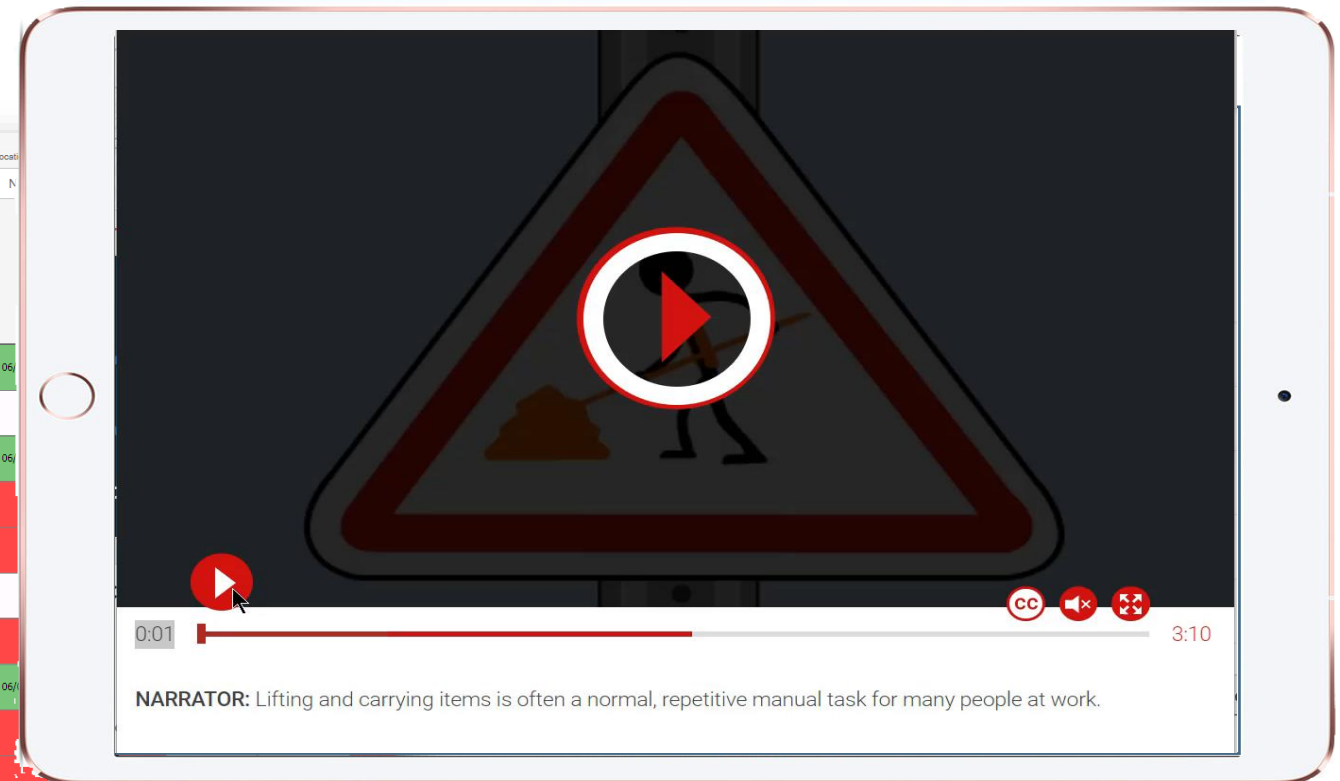


Digital Training and Tracking


COMPETENCY & TRAINING TRACKING

Competency Matrix

	Anti-corruption	Apply principles of occupation...	Apply quality procedures	Apply quality systems	Basic Emergency Evacuation P...	Bullying and Harassment	Company Induction	Diversity at Work	Drivers Licence	
Accord, Aaron					07/11/2021		07/11/2021			06/11/2021
Ackerley, Bethany		23/05/2022	25/05/2022	25/05/2022	22/01/2020	04/03/2020		04/03/2020		
Ackerley, Brendon					22/01/2020	10/10/2020		10/10/2020		06/11/2021
Adams, Warren										
Adamson, James										
Adcock, Lorn					20/01/2020		20/01/2020			
Akers, Beryl										
Albright, Jo					08/02/2020		08/02/2020			06/11/2021
Alexander, Matthew										
Alington, Bob		23/05/2022	31/08/2022	31/08/2022	22/01/2020	01/07/2020		01/07/2020		
Alliman, Barret						13/07/2020		13/07/2020		
Ammons, George					22/01/2020	11/08/2020		11/08/2020		15/12/2021
Ammons, Hunter						22/09/2021		22/09/2021		12/09/2021
Anderson, Albert					22/01/2020	29/08/2020		29/08/2020		
Anderson, David										
Anderson, Hayley					02/11/2020		02/11/2020			

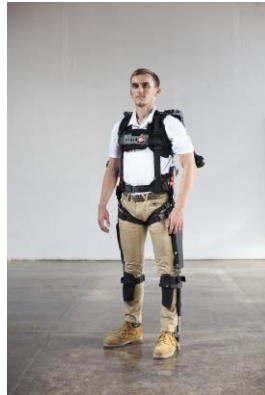


EFFECTIVE AND ENGAGING TRAINING

A perspective view of a server room aisle. The aisle is flanked by rows of server racks on both sides. The racks are filled with various electronic components and are illuminated with a cool blue light. Overlaid on the image are numerous glowing blue lines and dots, resembling digital data or network connections, creating a sense of depth and technological complexity. The floor is a light-colored, reflective surface, and the ceiling is visible with some lighting fixtures.

Internet of Things & Other Innovative Technologies

IIOT, VR, AR and others



Unmanned Aerial Vehicles
(UAVs)

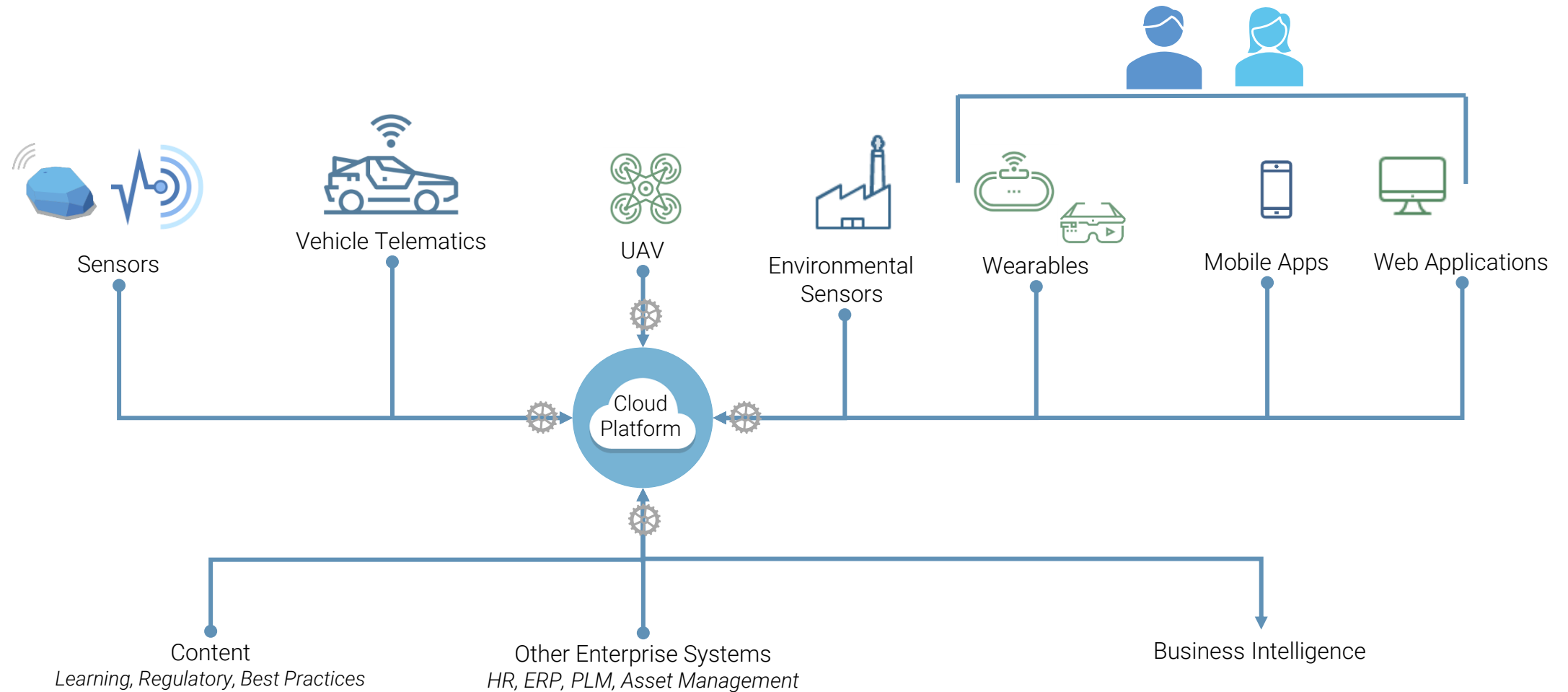


Wearables

Augmented Reality
Virtual reality

Integrated digital ecosystem

for real-time dynamic risk management and foresight



Insight and foresight

Elevated Risk of Injuries in the next 30 days at the following sites:



Leading Indicators:

Open Hazards without Corrective Actions (10)

Open Incidents in the last 30 days without Corrective Actions (10)

Negative Observations without Corrective Actions (20)

Failed Audits (2)

INCIDENT DATE	INCIDENT NUMBER	ACTUAL SEVERITY	POTENTIAL SEVERITY	CONSEQUENCE	DEPARTMENT RESPONSIBLE	SUMMARY
08/02/2017	INC-0000001	Moderate	Major	Injury or Illness, Fire	Corporate	Warehouse fire caused by welding spark
09/02/2017	INC-0000002	Insignificant	Insignificant	Equipment Damage or Loss, Fire	Processing	Burning smell emanating from the cabinets in the substation.
10/02/2017	INC-0000005	Minor	Minor	Fire	Technical Services	Fire in engine room of rig.
10/02/2017	INC-0000004	Not Applicable	Minor	Near Miss	Remote	Fluorescent light fixtures fell from mount on ceiling
10/02/2017	INC-0000003	Minor	Moderate	Injury or Illness	Processing	Back discomfort due to confined space.

Succeeding with EHS Technology

- Focus on your Needs: Identify Your Key Business Challenges & Use Cases
- Articulate Benefits Business Wide: Support & Buy-in from Stakeholders
- Increase Your Understanding Of The Technology Landscape Knowledge
- Work With IT And Align With Your Company's Digital Strategy
- Pilot with a purpose and longer-term goal
- Build Your Roadmap: Future-Proof your adoption
- Obsess About User Adoption: Work With Your Users And Keep It Simple





Q&A



Thank You

David Smith

Commercial Director

Rebecca Parton

Strategic Account Manager

Contact Us at:

www.saiglobal.com/risk/contact

Visit our EHS Hub for more resources:

<https://www.saiglobal.com/hub/environmental-health-and-safety>