

The Security Executive Council (SEC) Solution Innovation Partner (SIP) program evolved to help security practitioners expedite choosing a trustworthy risk mitigation vendor with confidence given the myriad of possible options in the marketplace. Proven Solution Innovation Practice Case Studies help to evaluate performance claims and differentiate security solution providers for business outcomes including risk mitigation, return on investment, and security assurance.

This Solution Innovation Case Study offers a proven process approach for mitigating risk(s) that could result in injury or impairment of people, assets, critical processes, products and/or brand reputation. This proof point examines representative risk issues, mitigations and result outcomes as validated by the SEC and end-user.

This case study demonstrates multi-million-dollar return on investment with Damstra's innovative capability to digitize operational oversight and risk management with worker onboarding and improved solutions to protect human resources, workplace safety, assets, and information of large global organizations. This case study is in the global mining industry segment.

Risk Issues and Mitigation Opportunities:

A global mining conglomerate with over 40,000 workers and contractors, operating 24 hours a day, 7 days a week, needed to provide improved workplace health, safety, and security in a COVID-19 environment to help ensure that workers return home safely at the end of their workday. The global mining company commissioned Damstra to optimize protection of people, and assets for business continuity and productivity:

- People are prepared,
- Workplaces are safe,
- Asset protection is integrated, and
- Information is near real-time and easily accessible.



Solution Requirements:

The global company identified the following requirements:

- Help ensure workers with elevated temperatures are unable to return to work and alert management to potential exposure and provide triage management and content tracking.
- Reduce the current 4-6 weeks it takes to onboard new hires and contractors with the appropriate skills, experience, and relevant training to ensure that they are ready to work.
- Reduce the current 1–2-day cost and administration of onsite safety visits to virtual reality safety site visits, enabling ongoing digital learning pathways for specific job roles.
- Improve key elements of site health, safety, and security with integrated access control, integrated temperature detection, compliant equipment, and real-time alerts, notifications, and reporting.
- Transition from legacy systems to digitizing processes across the organization, to one integrated health, safety, and security platform to ensure improved protection.
- Evolve from manual paperwork to digital forms and workflows to ensure one source of truth in one integrated platform with automated updates to always have the correct data.

Delivered:

The implementation of Damstra’s Enterprise Protection Platform focused on the following:

1. End user confidence in workforce management, efficiency, and compliance rose from a 2 out of 10 to a 9.5 out of 10. Ensuring human resources are prepared through integrated workforce and learning management:
 - **Damstra Workforce** - Workers and contractors are able to register online, and upload all required certificates, documents, and licenses into Damstra’s EPP, which are independently verified for increased safety and compliance before the workers are issued the right of access to the workplace.
 - **Learning management** - Inductions and training are now online in Damstra’s EPP, and site inductions are conducted through virtual reality for increased protection.
 - **End User quote** – *“The Workforce module allows our Leaders to lead and worry less about compliance administration. The solution’s flexibility is excellent and therefore continuously adds unforeseen value.”*
2. Healthier, safer, and more secure workplaces through integrated Damstra access control, temperature detection and connected worker management:

Solution Innovation Case Study: Enhancing People Safety and Asset Safeguarding Through the Operational Digitization of Risk Management

- **Damstra Access Control** - Workplaces are equipped, monitored, and managed with integrated access control terminals, alcohol and drug testing, and integrated temperature detection with alerts and notifications. Access control is maximized to deliver the greatest performance and safety possible.
- **Solo Connected worker** - Workers are monitored with Damstra Solo for fatigue and wellbeing with biometrics monitoring to identify fatigue, falls and medical risks and ability to raise alerts in high risks zones in case of accidents and injury.

3. Connected assets through the implementation of Damstra Assets:

- **Asset Management** - The monitoring of workers is managed in the Enterprise Protection Platform to ensure that they are licensed and cannot operate assets without having the required training.



4. Accessible information through the implementation of the Damstra Enterprise Protection Platform:

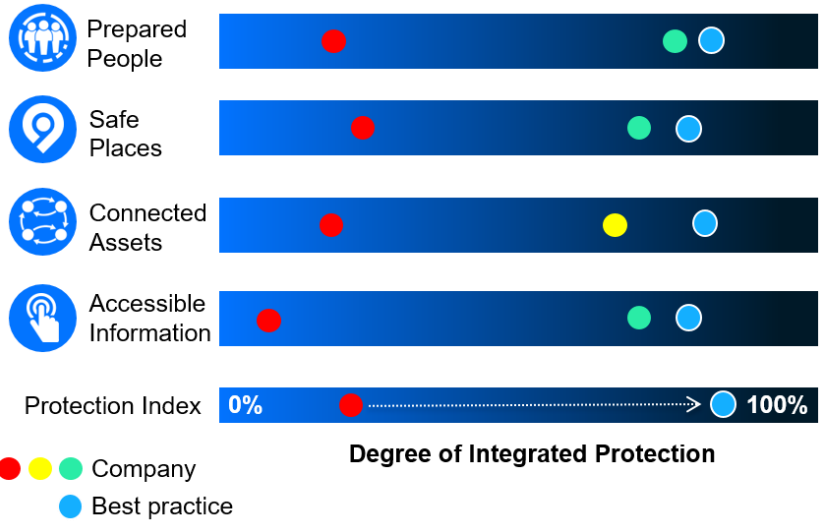
- **Damstra Digital Forms** - Workflows and forms are now digitized across the organization for one source of truth, so that data captured from anywhere is updated across the integrated platform and against employee profiles.
- **Damstra Analytics** - Report catalogue provides a wealth of reports on each aspect of enterprise protection integrated across people, workplace, assets, and information.



Outcome and Benefits of Service Including ROI:

The degree of protection of four areas of investment - human resources, workplaces, assets, and information has improved significantly post the implementation of the Damstra Enterprise Protection Platform.

Improvements in health, safety and security compliance were accompanied by significant time and cost savings through the digitization of risk management and safety and protection processes.



Improved protection and safety of human resources was driven by the implementation of:

- **Damstra Workforce** management module - The need for a 3rd party for inductions has been eliminated, resulting in a saving of \$250 per worker per year. Instead of contractors having 4-6 weeks between registering and then being onsite, there is now a turnaround of 24 hours for workers to be ready for work, with the appropriate skills, experience, and training. And time for onboarding reduced from 6 hours per worker to 1 hour resulting in a significant time and cost saving. Average annual savings on Contractor invoices is 6-14% due to the tool’s ability to validate the integrity of vendor services and accounts.
- **Damstra Learning Management** module - The cost of administration & training has been significantly reduced with online training saving 1-2 days per week of training and administration equivalent of 50% -70% reduction in training costs. End User quote – “*The system is as simple as posting on social media*”.
- **Damstra Virtual Reality** - People are further protected with virtual reality site visits, which has led to a zero-harm environment due to increased situational awareness of workers. This represents a saving of 3 hours per worker inducted, equivalent to \$450 per worker.

Improved protection and safety of the company’s workplaces was driven by the implementation of:

- **Integrated Access Control** and workforce management module - Site safety has increased with integrated access control, allowing only 100% compliant workers onsite, making the workplace a safer place.
- **Integrated access control** - The risk of site closures with reputational & financial loss from COVID-19, has been dramatically reduced with integrated temperature detection and real-time alerts and notifications for increased protection. Avoidance of site closures has been estimated at a cost savings of \$1,000 per worker per month for worker claims only. Many sites have over 500 workers.

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- **Damstra Health and Safety** module - Digital forms enhanced the safety and protection of workers due to automations and alerting. This has saved the organization up to 5 min per completed form, with 600,000 forms per year, this represents an organizational saving of \$5M per year.
- Damstra solutions can be deployed stand-alone or via an **Enterprise Protection Platform** that acts as a real-time centralized repository and end-to-end orchestration framework which connects people, processes, and technology assets in holistic way. This approach has intrinsic value for both the business and IT as it works seamlessly with a corporation's other key business applications.

SIP Case Study Authentication Process

This process was overseen by a Council Faculty member with 20+ years of experience in developing and leading people and asset protection programs as trusted security advisor for global and multinational organizations. **End-user authenticated May 2021.**

Note: *The Security Executive Council's Solution Innovation case study represent a snapshot in time to demonstrate a solution to a specific organization's issue. End-user diligence, trial and measurement are strongly recommended for any contemplated risk mitigation activity.*

A General Comparison of Competition

Client Service/Resource Attributes or Capabilities	Damstra YES/NO	Company A YES/NO	Company B YES/NO	Company C YES/NO	Company D YES/NO
Enterprise Protection Platform	Yes	No	No	No	No
Workforce Management	Yes	Yes	No	No	No
Learning Management	Yes	Yes	Yes	No	No
Connected Worker	Yes	No	No	No	No
Access Control	Yes	Yes	No	No	Yes
Health and Safety	Yes	No	No	No	No
Digital Forms	Yes	No	No	Yes	No
Asset Management	Yes	No	No	No	No
Predictive Analytics	Yes	No	No	No	No

See other case studies and learn more about the SIP Program here:

https://www.securityexecutivecouncil.com/about/solution_innovations.html