



**Risk Governance Solution
Overview:**

**Giving Time Back to
Tailings Risk
Managers**



Our Mission: Prevention of Catastrophic Waste Failures

2-3 failures every year

> 30,000 tailings facilities worldwide

+ Water Dams, Waste Rock Piles, Filter Stacks & Heap Leach Facilities



New Global Industry Standards

A real resources challenge...



Investor Focus

Global Standards

Monitoring, transparency & oversight are necessary.

**Reporting shouldn't take time away from managing
the risks!**

Goal #1: Prevent catastrophic failures!

Mission: Enable teams to identify & understand their complex risk networks & failure modes (*in all their forms*), so that they can effectively, proactively address them in a timely fashion

1. **Identifying risks** using consistent approaches to explore multiple aspects
2. **Gathering & consolidating** relevant information about risks, their controls & their effectiveness, and to *find what's missing!*
3. **Enabling relative comparison** of infrastructure
4. **Informing on decisions**

Key highlight: *Application of qualitative and semi-quantitative processes*

For all Stages of the Risk Journey

Comprehensive experience; all-in-one, in-house, flexible risk evaluation platform with modular capabilities

Risk Awareness

Teams in need of risk training, uncertainty in gaps to best practices, and no current improvement strategy

Risks & Failure Modes Identification

Haven't identified risks and potential failure modes or developed risk reduction action plans

Accelerating Conformance

Overwhelmed by tailings standards, not sure where to start, need help with implementation support

Digitization, Records Compilation

Death by spreadsheets! Excel-based risk tracking & siloed file storage

Integrated Risk Systems

Lack of holistic tailings management platform to manage risks and safety, multiple reporting systems

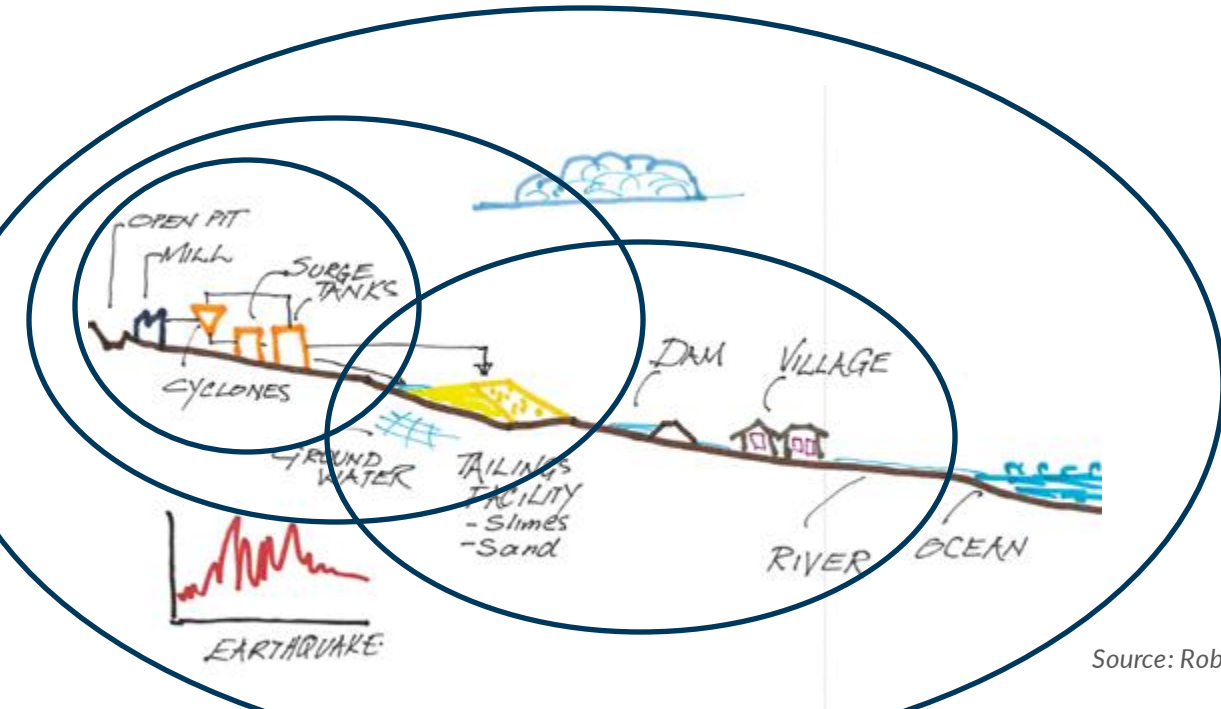
Lifecycle Reviews & Audits

Time consuming audits, and difficulty managing changing conditions

Addressing Complexity Risks

Interdependent Processes

Multiple components and management systems



Information Silos

Internal and external teams with fragmented knowledge

Knowledge Loss

Changing personnel over life-cycle leads to information gaps

Source: Robertson & Caldwell, T&MW 2016

Issues We're Solving

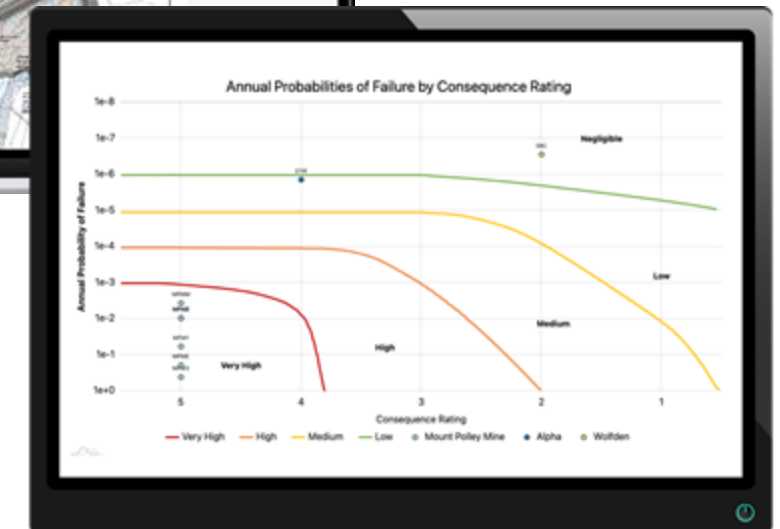
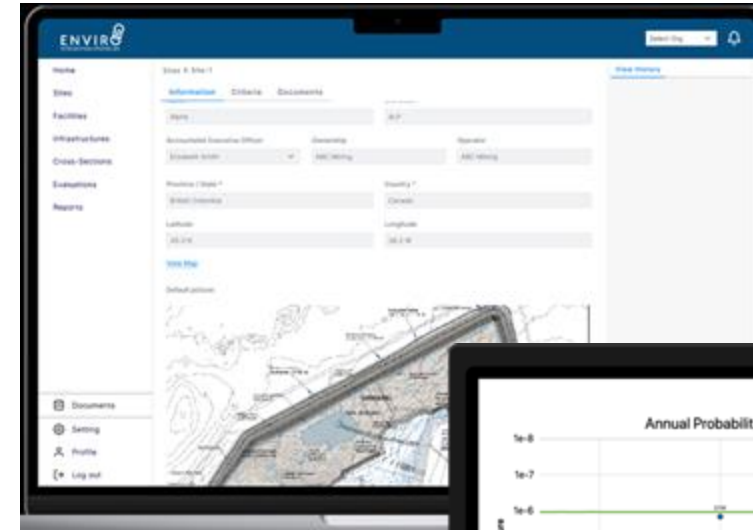
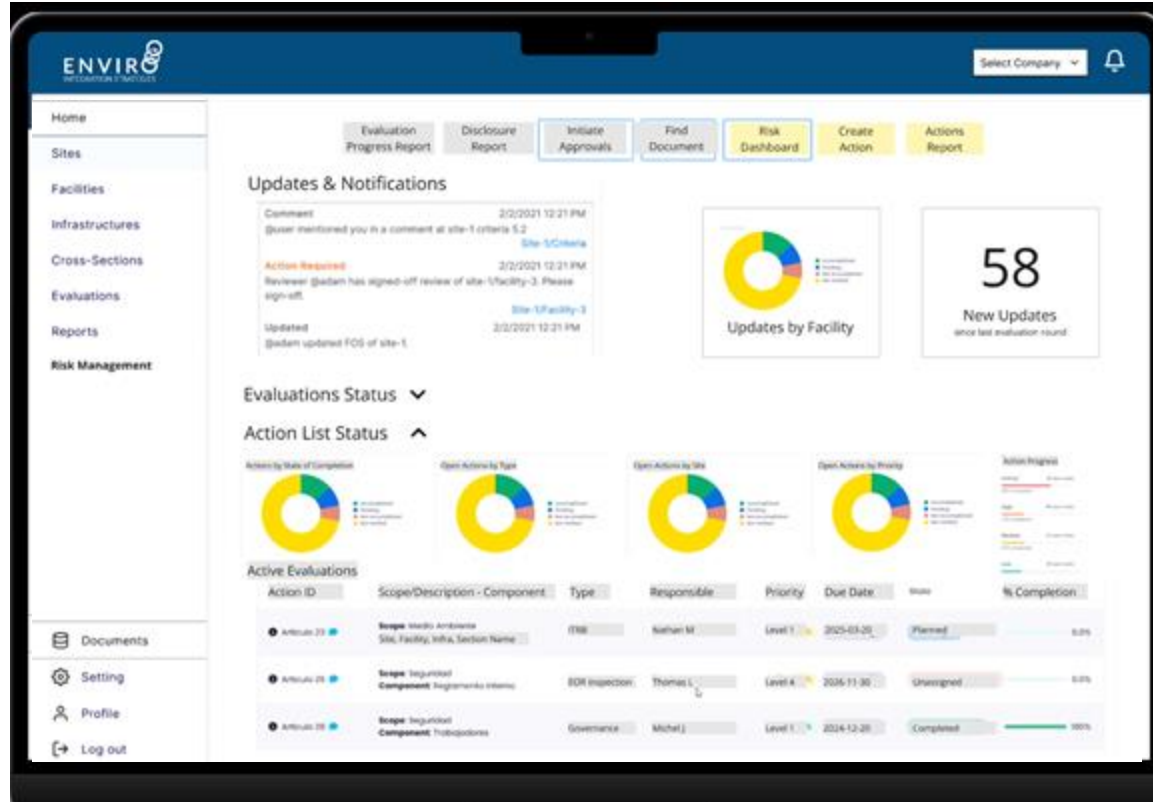
1. Poor communications, *leads to major gaps in risk management!*
2. Reliance on key long-term people, *is a failure waiting to happen...*
3. Rampant “lost or forgotten” risks, *making informed decisions difficult*
4. Tremendous time consumed, *in finding information that should be at the tip of the fingers, in the moment, and by whom, when it is needed*

Access to information, and one source of truth, keeps everyone informed.

Consistent processes bring direction and autonomy to team members.

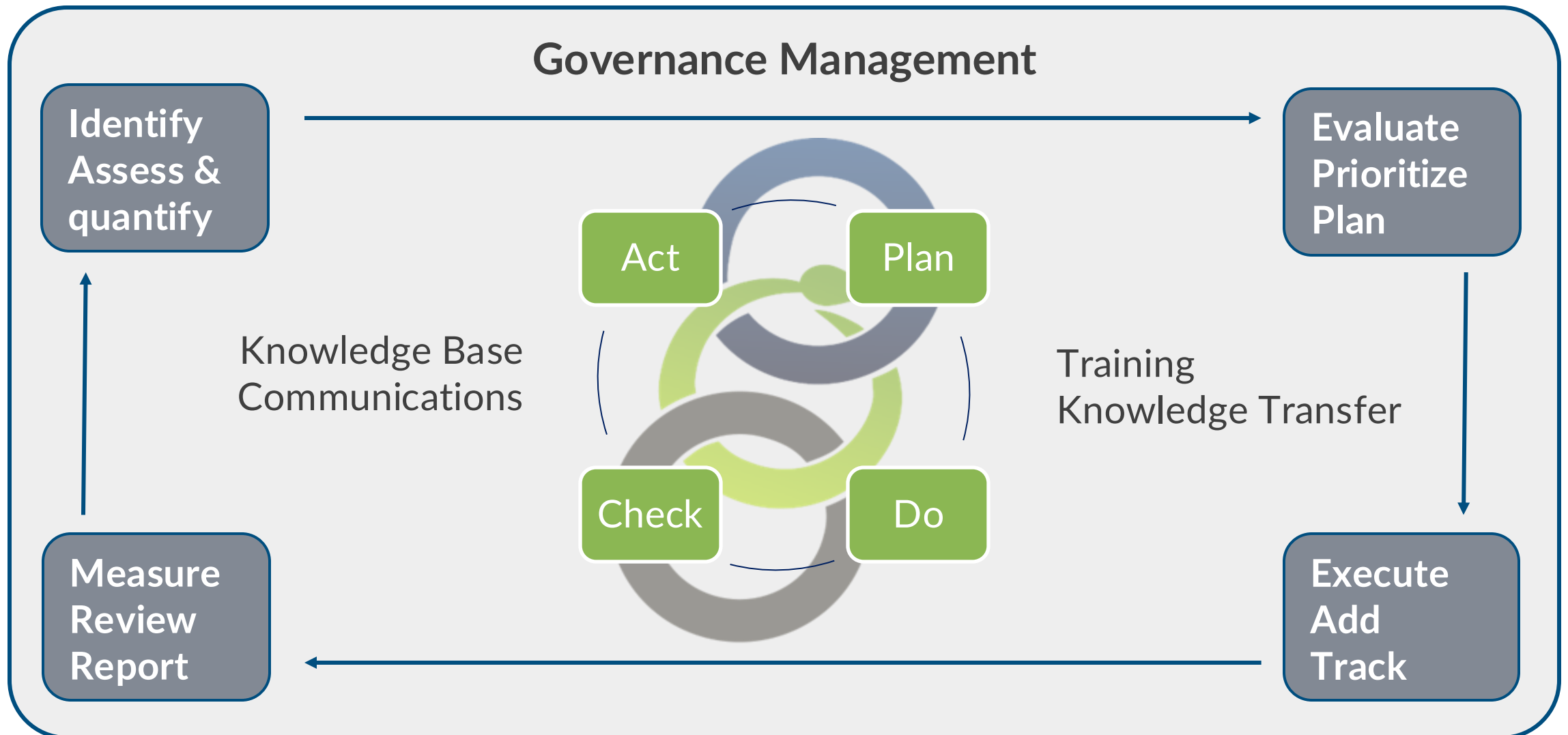
Our All-in-One Risk Governance Platform

Centralized portfolio risk visibility



Real-time communications
Information at the tip of your fingers

Unlocking Greater Value through Centralization



What Our Clients Say

Product Co-Creation



AGNICO EAGLE

**World's 3rd
Largest Gold
Producer**

“ [Enviro] was able to contribute in areas where we had some weaknesses, and to provide a lot of structure...

This firm has been instrumental in achieving our objectives.

Michel Julien
VP Environment and Critical Infrastructure
Agnico Eagle Mines Ltd.

Providing User Benefits

Capture, Retain, Share

Easily accessible, consolidated technical knowledge over time.

1

Portfolio Risk Clarity

Clear view of company's risks, gaps and uncertainties, to stay on top of it all.

3

Time Savings

Streamline reporting, reviews, audits, updates, onboarding and training!

5

2

Decision-Making Insights

Consistently compare practice and risk levels, prioritize plans.

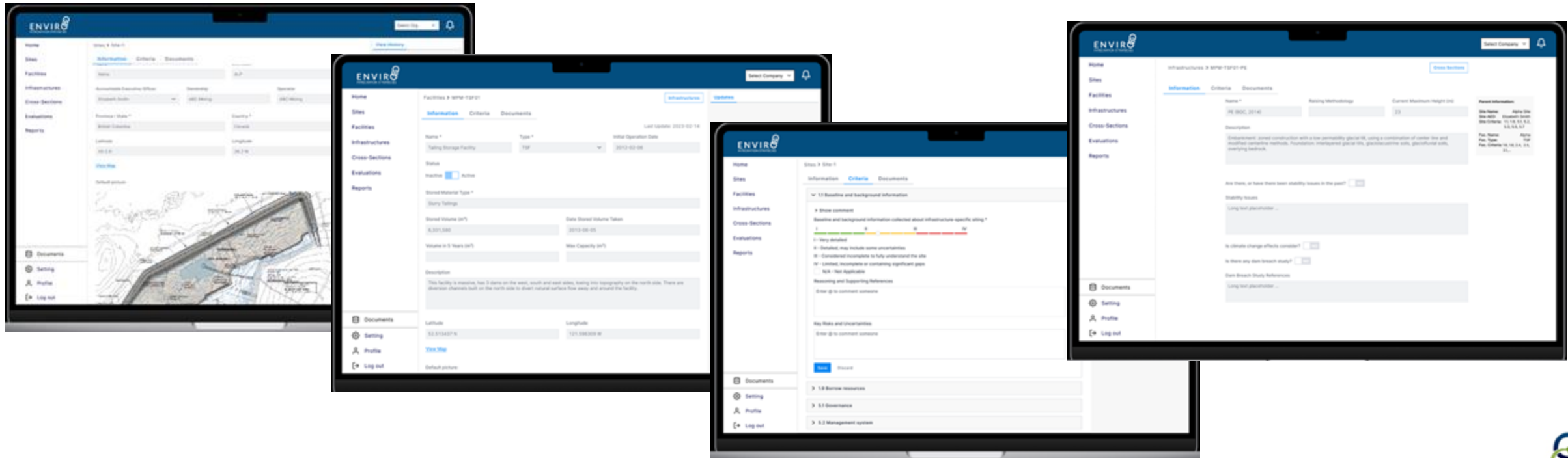
4

Clear Communications

Communicate technical details using easy-to-understand visual aids.

Accelerates Audits, Reviews & Updates

Evaluations are easy to access, review and update.
History of changes and evidence are apparent & directly linked,
making audits a breeze



Clients, Funders & Supporters



AGNICO EAGLE



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MICA

Mining Innovation
Commercialization Accelerator



ACIM

Accélérateur de Commercialisation
d'Innovation Minière



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SATARLA

RISK & ESG Consultancy | Training | Research

STARTUP TNT

Our Leading Experts



Karen Chovan
CEO & Founder

25 years mine waste experience

Geological Engineer
Risk Prevention & Management Specialist
Active in Cdn & Int' l Tailings Working
Groups
Sought out Speaker, Educational Contributor




Anna Mkrtchyan
CFO
20+ years experience



Lorelei Ratushniak
CRO
15 years experience



Devon Smibert
CTO/CISO
18 years experience



Risk won't
diminish
without
ACTION!

We're looking for Partners:
to pilot,
to give feedback,
to fund advancements, &
to get started on your
risk governance journey!

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Karen Chovan, CEO
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