

Leveraging AI to Revolutionize Workplace Safety



Lead safety, sustainability, and AI-driven software innovation, with a focus in supply chain risk. Driving product innovation at Avetta.

Formerly led strategic initiatives at Wolters Kluwer Enablon, Sun Microsystems/Oracle, TTEC Global, and IQNavigator/Beeline, as well as multiple high-growth startups.



Taylor Allis

Chief Product Officer



Who AI is Really About...



We **Must** Impact These Numbers

18,198

Canada Serious
Injuries & Fatalities
(SIFs) in 2022

11% Increase from 2021

50

Per Day

1.9M

Global
Fatalities

Source: WHO 2021

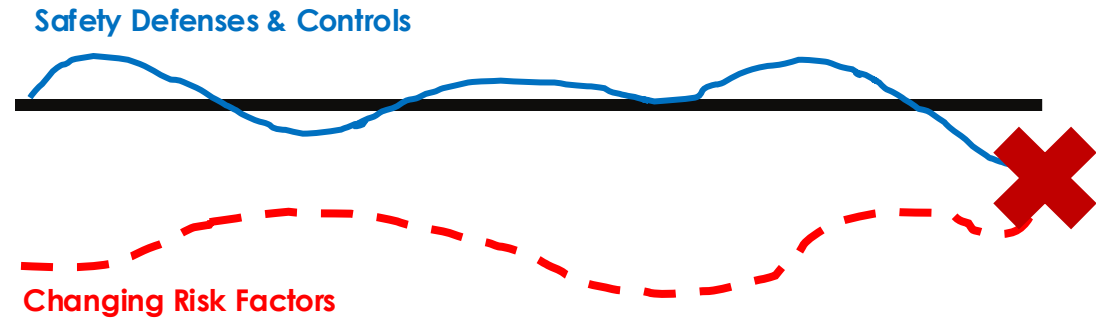
We **Can** Impact These Numbers

Safety is NOT

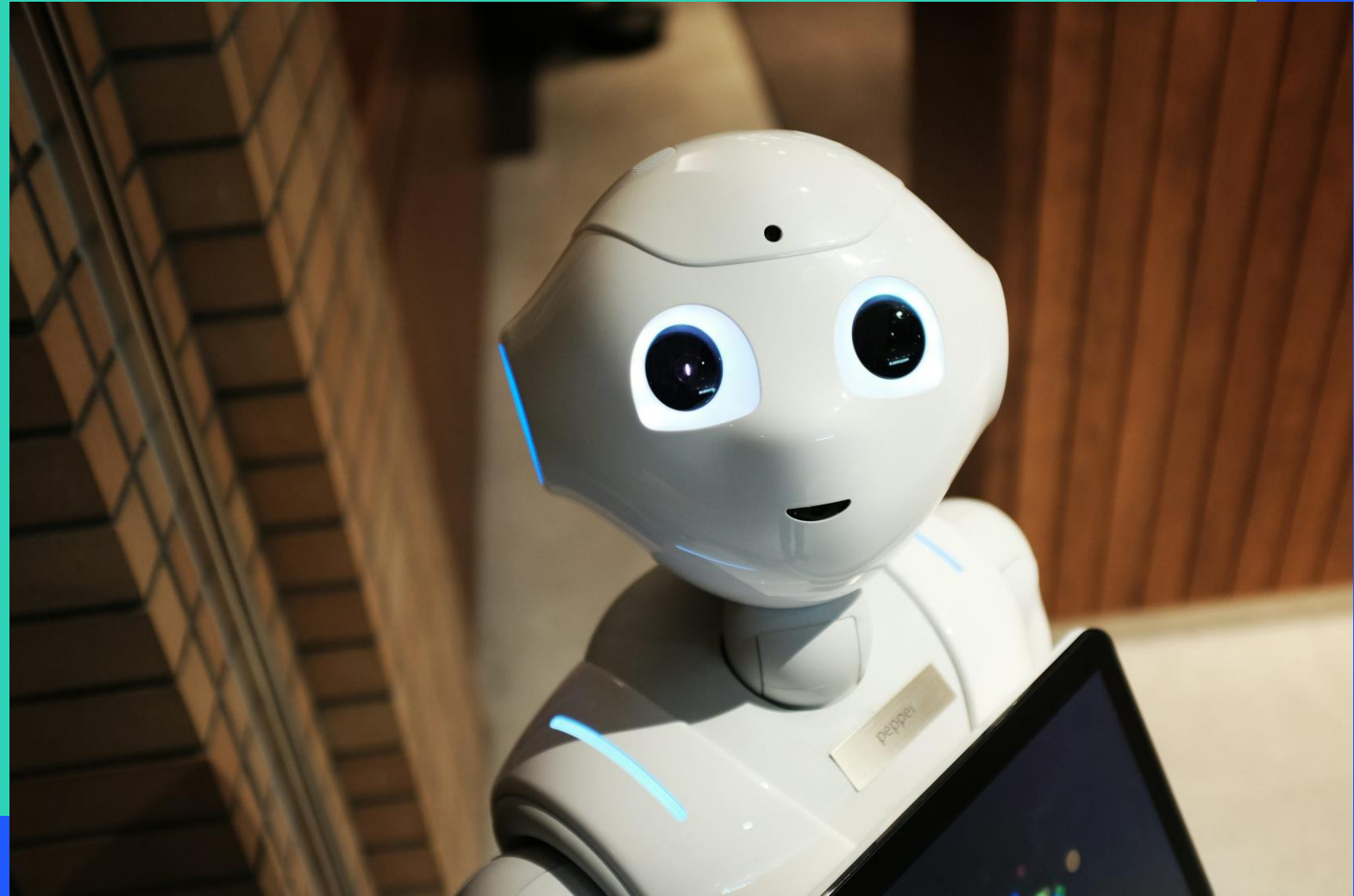
the absence of incidents

Safety IS

the presence of
defenses & capacity



How Can AI Help?



Generative AI creates **original** content (text, code, images, videos)

Content is **learned from training data**, large language models (LLMs)

Responses are in **natural language**



John McCarthy
Coins "AI" (1955)



AI Winter Years
(1974, 80's Boom,
1990's)



Big data, deep
learning, AGI
(2005-2007)

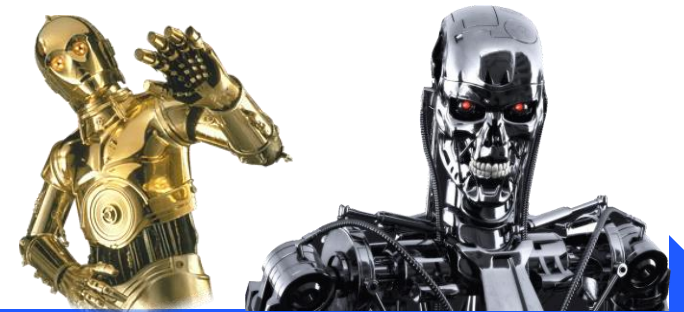


Siri, Cortana,
Alexa, Hey Google
(2010-present)

AskAva



AI Boom,
Generative AI
(2020-present)



The Future:
Friend or Foe?

Working together in Safety...



Real-World
Experience



Process Vast
Data Amounts



Trained &
Qualified



Contextual
Understanding



Empathetic &
Communicative



Repetitive
Task Expert



Real-Time
Decisions & Responses



Precise and
Accurate


Employees



**An Avetta
Case Study**


Contractors




Subcontractors

How do we scale good Hazard ID and Safeguards across a complex supply chain?



COMPLIANCE CONTROLS

Employees



COMPLIANCE CONTROLS

Contractors



COMPLIANCE CONTROLS

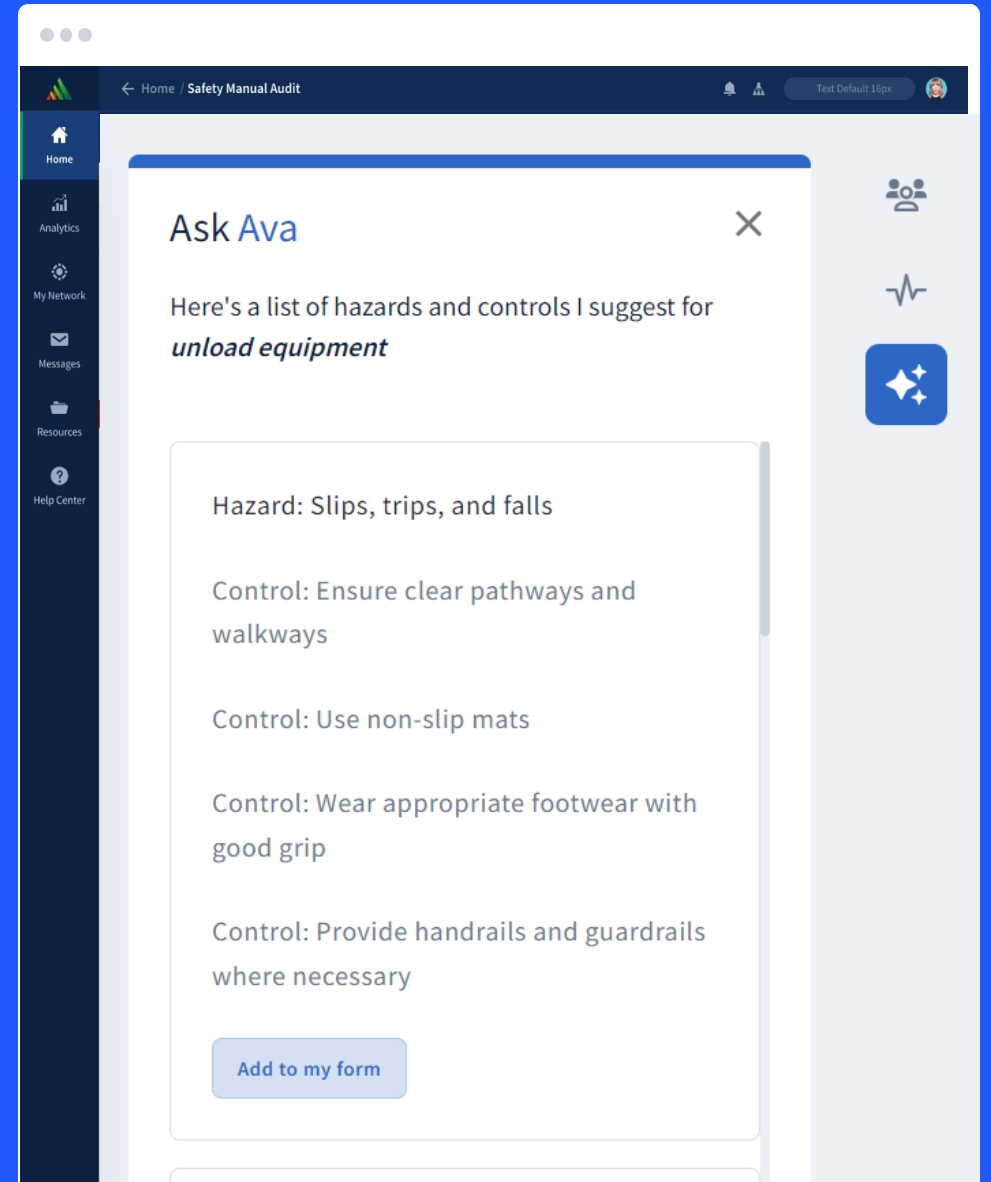
Subcontractors



We digitized the pre-job risk assessment process for all contractors (JHAs/JSAs)

◆◆ AskAva™

Generative AI deployed to aid contractors with Hazard ID and Safeguard recommendations



AskAva Generative AI

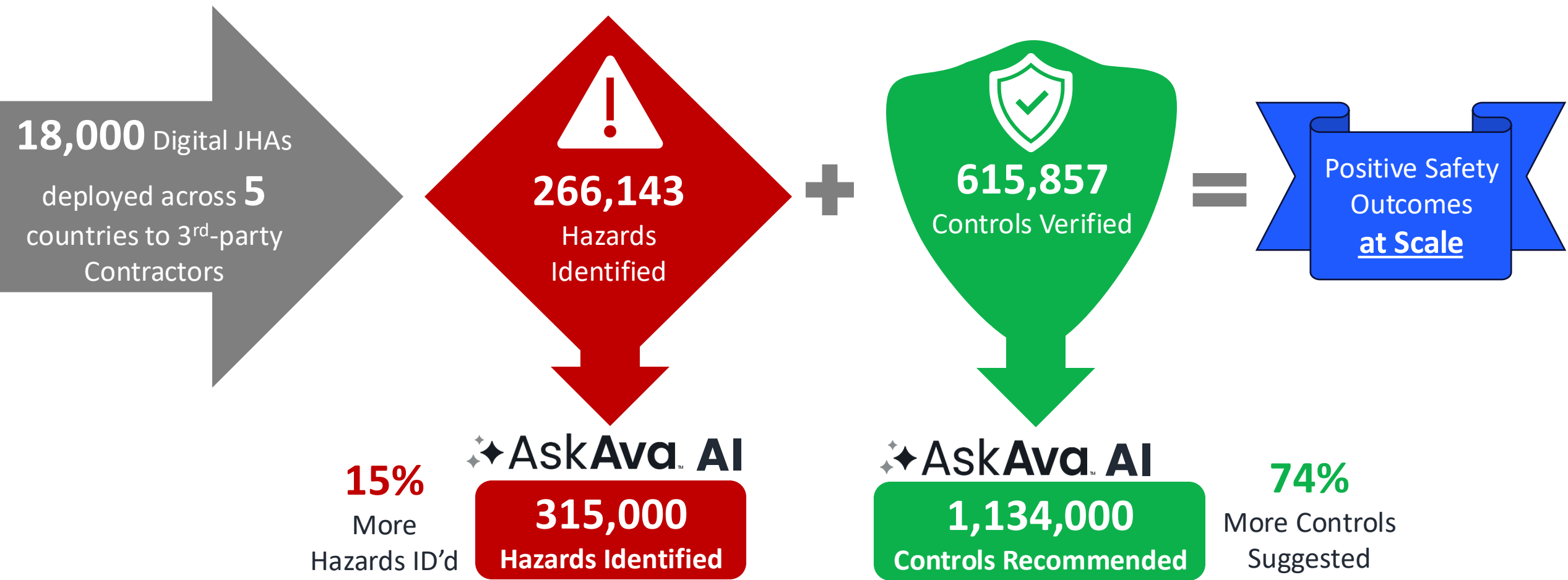
Avetta Proprietary & Confidential



Client Case Study

Top Risks Mitigated

Working at Height (General, Aerial Lifts, Roof Access);
Lone Working; Electrical Work; 3rd-Party Access to restricted areas.



Next Steps

1

Chart Your Gaps and Ask the Tough Questions

- Do you have insight into all your Hazard ID and safeguard practices?
- What about safety and induction trainings?
- Are you using learnings from post-events to power future changes?



2

Experiment with AI

3

See How Avetta Can Help



Explore Next Steps

1

Chart Your Gaps and Ask the Tough Questions

2

Experiment with AI

- Test scenarios in ChatGPT or MS Co-Pilot – it's free and easy!
- Ask your partners, vendors, IT dept how AI can solve your problems.
- Think big, start small, scale smart



3

See How Avetta Can Help



Explore **Next Steps**

1

Chart Your Gaps and Ask the Tough Questions

2

Experiment with AI

3

See How Avetta Can Help

Go to [Avetta.com](https://www.avetta.com) or ask how Avetta can help you with contractor safety!

 **AskAva**



An aerial photograph of a city skyline at dusk, with various skyscrapers and buildings illuminated against a dark blue sky. A large blue rectangular overlay is positioned in the center, containing white text. The text reads:

Leveraging AI to Revolutionize Workplace Safety