EHS Perceptions of AI

What people know about how Artificial Intelligence (AI) can help managers gather useful information to improve environmental, health, and safety (EHS) management - In order to gain some insight, Protex AI conducted a survey in October 2022.
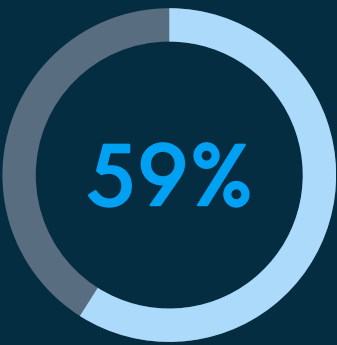
394

EHS professionals participated in Protex AI's "EHS Perceptions Survey" over the course of two months

Survey respondents came from a variety of industries and were located all over the world, with the United Kingdom having the highest participant rate of 45%.
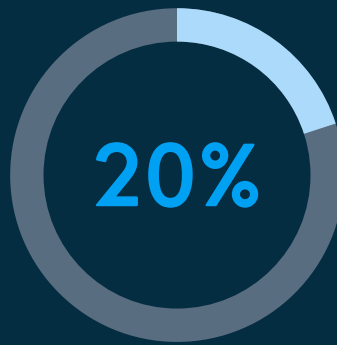
AI Adoption

The sample showcased that they were more than averagely confident at adopting new technology (72%).
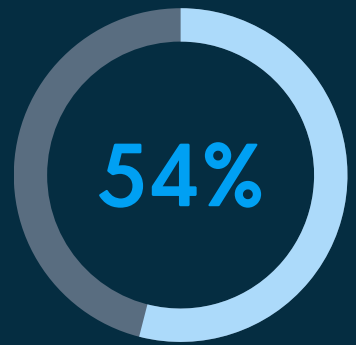
59%

EHS professionals currently using software or online systems to manage their EHS information

These respondents are slightly more confident in adopting AI because their organisations are currently using some other software to manage some EHS information.

20%

EHS professionals currently using AI to help with health and safety information capture

This confirms that the use of AI software to help make safety processes more proactive is still in the early adopter stage.
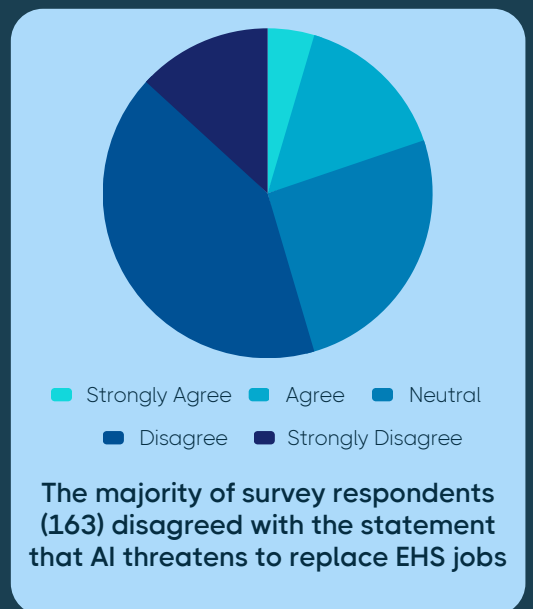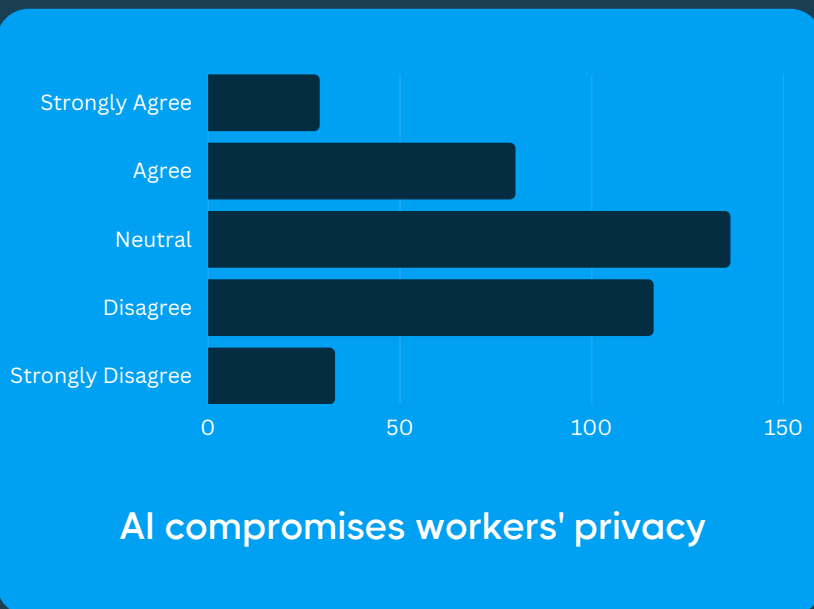
54%

EHS professionals looking to adopt AI software in their future plans

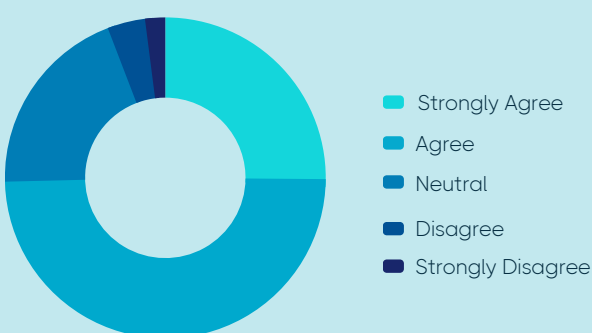More than half of the survey respondents are very positive in the adoption of AI for the future.

Trust In AI

Most respondents are positive about the having trust in AI software. For example, around two-fifths dont believe that AI threatens workers privacy. A similar proportion don't see AI as a threat to EHS jobs.

Strongly Agree
Agree
Neutral
Disagree
Strongly Disagree

0   50   100   150

AI compromises workers' privacy

Legend: Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree

The majority of survey respondents (163) disagreed with the statement that AI threatens to replace EHS jobs

Safety Culture

More respondents report having a proactive or extremely proactive safety culture (65%) than a reactive one (8%).

Legend: Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree

The majority of survey respondents are positive about how AI contributes to a company's safety culture
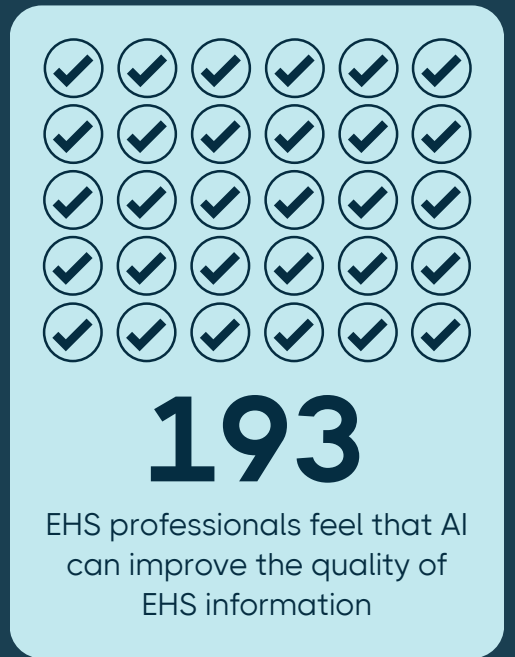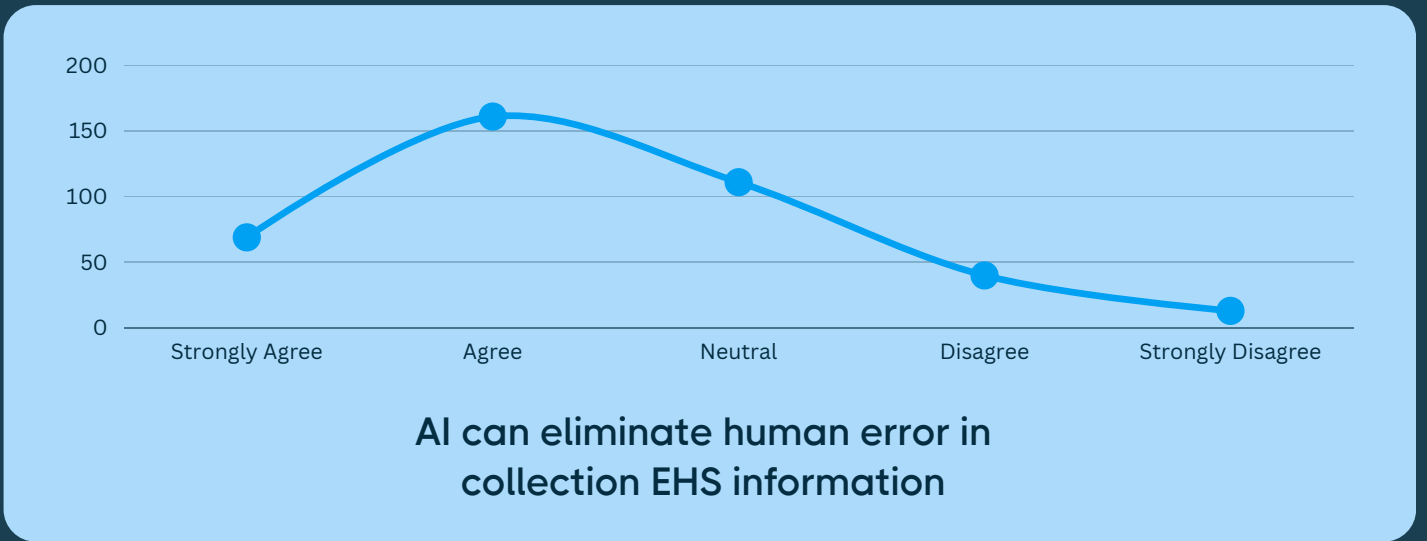
65%

of EHS Professionals selected that their safety culture was **proactive**

8%

of EHS Professionals selected that their safety culture was **reactive**
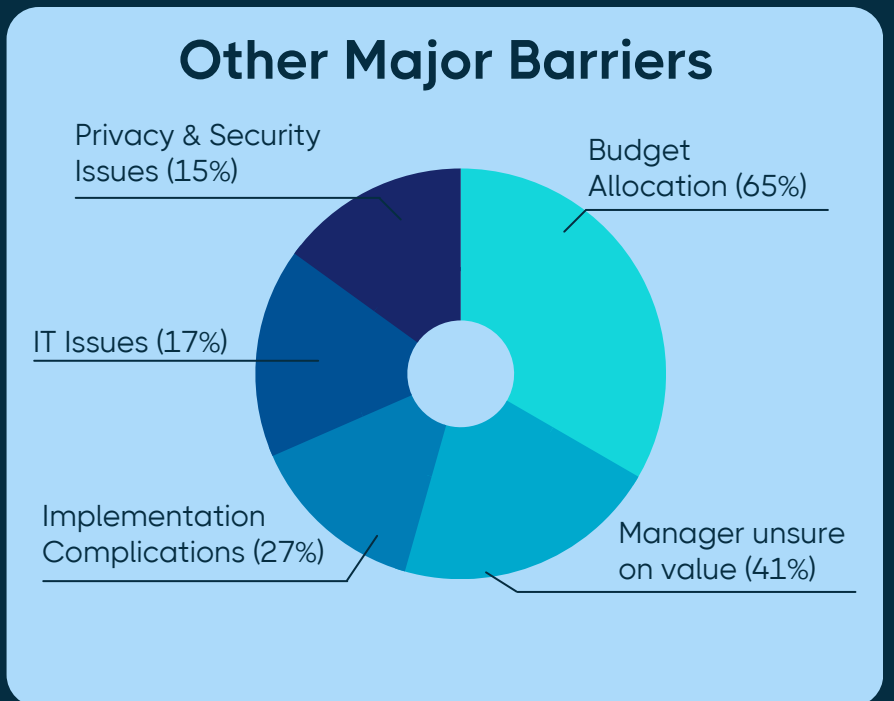
Protex AI

Reporting

Most respondents are positive about the benefits that AI could bring to EHS management. For example, three-quarters or more agree with statements that AI can identify areas of risk, eliminate human error and improve the quality of EHS information.

AI can eliminate human error in collection EHS information

(Line chart with x-axis: Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree; y-axis: 0 to 200)

AI can identify areas of risk in your company

(Bar chart with y-axis: Strongly Agree, Agree, Neutral, Disagree, Strongly Disagree; x-axis: 0 to 200)

193
EHS professionals feel that AI can improve the quality of EHS information
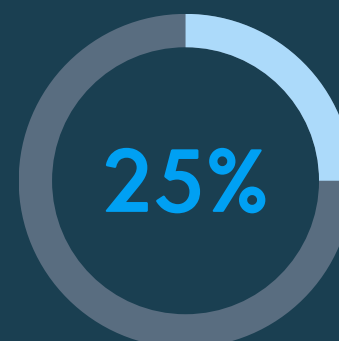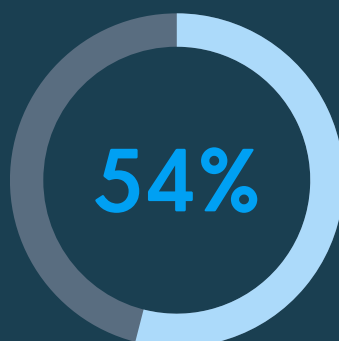
Barriers To Adoption

Of the 4 in 5 not using AI for EHS management, by far the most common barrier identified is not having the budget for AI. The second most common barrier explains the reason for lack of budget – lack of senior management buy-in.

C-Suite Buy In

45%

Despite seeing the value themselves, only one in five respondents are confident that their C-suite managers will see the value of AI to EHS.

Other Major Barriers

Privacy & Security Issues (15%)

Budget Allocation (65%)

IT Issues (17%)

Implementation Complications (27%)
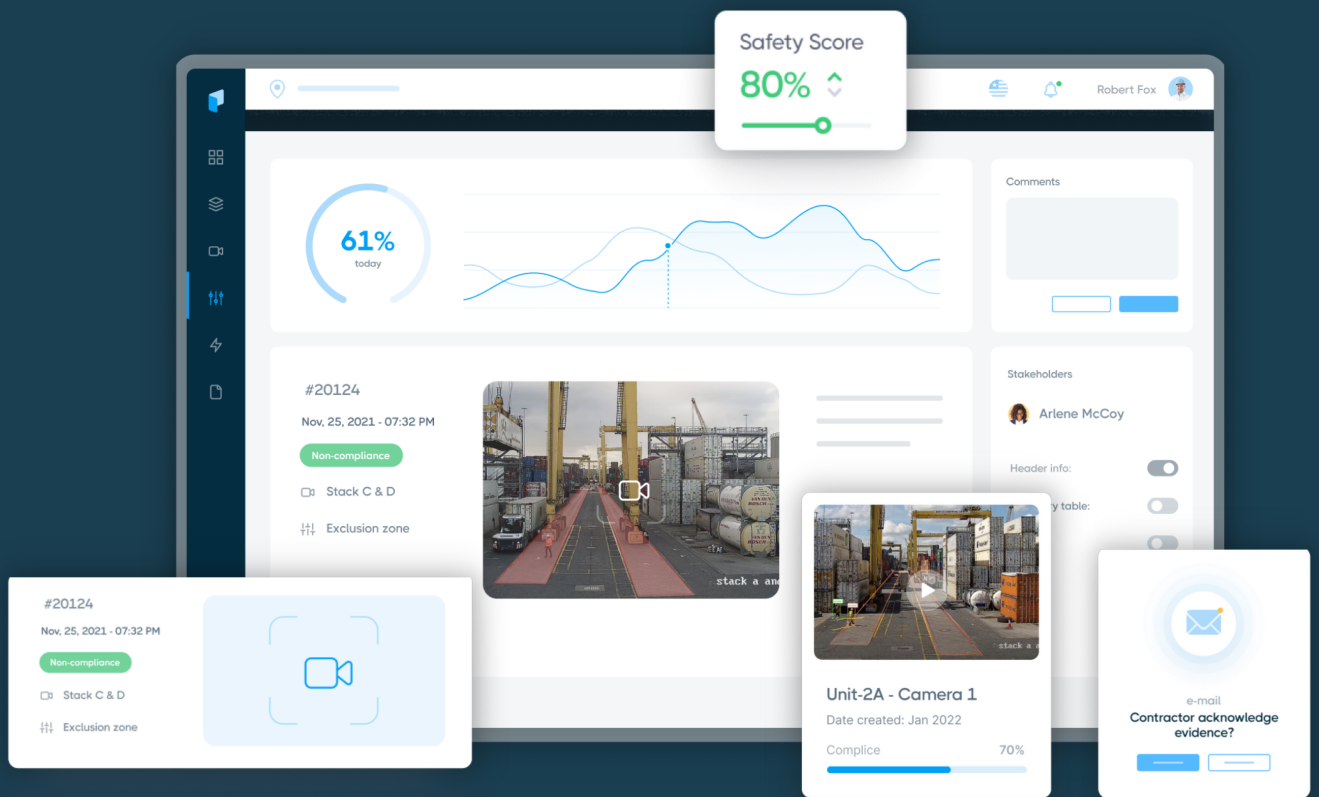
Manager unsure on value (41%)

Future of AI

Despite the barriers, over half of those not currently using AI technology to capture EHS information intend to use it in the future, a quarter within the next three years. In relation to areas of use; the most popular choice is for monitoring the speed of vehicles, with detecting near misses between pedestrians and vehicles also in the top five. Being able to detect whether PPE is being worn is the second most popular choice, with nearly seven out of ten people selecting this.

Preferred Areas of Use

76%	Training Programmes
59%	Corrective Action Creation
59%	Quality Management
30%	Harassment Monitoring
48%	Crime Detection & Prevention

54% EHS professionals will adopt an AI software in their future plans

25% 25% of EHS professionals will look to adopt AI software within 1-3 years

Protex AI

How can Protex AI help your EHS Team?

We help EHS teams to revolutionise how they make proactive safety decisions that help contribute to a safer work environment.

Our AI-powered technology is enables businesses to gain greater visibility of unsafe behaviours in their facilities.

The privacy-preserving platform plugs into existing CCTV infrastructure and uses its computer vision technologies to capture unsafe events autonomously in settings such as warehouses, manufacturing facilities and ports.

Watch our 4-minute Demo Video

Watch Video

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