

Toolbox Talk AI: Turn Safety Conversations Into Risk Intelligence

RTRS Toolbox Talk AI is now released, giving clients a new way to analyze the information already captured through Toolbox Talks. Instead of reviewing talks one at a time or building a custom report, administrators can ask natural-language questions across content, projects, people, locations, contractors and participation.

CONTENT	PROJECTS	PEOPLE	LOCATIONS	CONTRACTORS	TRENDS
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WHAT IS NEW

Ask questions across your Toolbox Talk data

Analyze the actual talk content AI can evaluate the topic, summary, considerations and discussion items captured in each Toolbox Talk - not just the record metadata.	Measure participation and engagement Analyze signed participants, printed names and employer or company information to understand who is participating and where gaps may exist.
Compare projects, contractors and locations Combine project, department, geography, contractor and organizational data to compare activity across the business in one request.	Detect patterns and recommend next topics Surface repeated concerns, emerging themes and shifts in messaging, then use historical activity to help identify what should be discussed next.

What data can Toolbox Talk AI use? Talk content Dates and location Originator Project Participation Organization
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EXPANDED CAPABILITIES

One question can connect content, people, projects and geography

Toolbox Talk AI is designed for questions that are difficult to answer with a single filter or standard report. Below are examples of the kinds of analyses available in the new release.

1 Find underrepresented safety topics

Identify projects where important subjects have rarely or never been addressed.

ASK AI Which projects have not covered fall protection in the past six months?

2 Compare activity and participation

Compare frequency, worker participation and contractor representation across projects.

ASK AI Compare Toolbox Talk activity between our five largest projects.

3 Detect repeated or emerging safety concerns

Use summaries, considerations and discussion content to surface recurring or increasing themes.

ASK AI What safety concerns have appeared repeatedly during the past 90 days?

4 Analyze contractor engagement

Group participants by employer or subcontractor to identify possible participation gaps.

ASK AI Which subcontractors have the lowest Toolbox Talk participation on this project?

5 Recommend future Toolbox Talk topics

Use project context, historical content and recent discussions to suggest what should be covered next.

ASK AI Based on the past three months, recommend the next five topics for this project.

25 HIGH-VALUE ANALYSIS USE CASES

Use the companion guide for additional prompts and examples.

[Link to use cases](#)

USING TOOLBOX TALK AI

Broader questions can deliver better insight - and may use more AI tokens

Because Toolbox Talk AI can analyze the content of many talks at the same time, token usage may be higher than a simple question about a single Observation, Form or individual record. The amount used will vary based on the size and complexity of the request.

TOKEN USAGE - WHAT TO KEEP IN MIND

- Toolbox Talk AI can pull in actual discussion content in addition to dates, projects and other structured fields.
- A companywide or long-term analysis may need to evaluate hundreds or thousands of Toolbox Talks.
- Larger date ranges, more projects and more complex questions will generally require more tokens.
- A focused question about one project or a shorter time period will typically require less data to analyze.

BEST PRACTICES

Start focused. Expand as needed.

1 Define the scope Include the project, location, contractor or business unit when it matters.	2 Use a time period Specify the past 30 days, quarter, six months or another relevant period.
3 Ask for the decision you need Instead of asking for raw data, ask for trends, gaps, comparisons or recommended next steps.	4 Refine with follow-up questions Start with a focused question, review the answer and then expand or narrow the analysis.

READY TO EXPLORE YOUR TOOLBOX TALK DATA?

Use the 25-analysis companion guide as a starting point, then ask your own questions in natural language. Contact the RTRS team if you would like help developing prompts for your organization.

AI-generated analysis should be reviewed in the context of your organization's safety policies, data quality and professional judgment.