

Oracle Construction and Engineering Intelligence: Advisor for Safety



Get the insights you need to make informed, proactive decisions and drive continuous improvement across safety programs.

Construction safety leaders face a primary challenge - determining where to direct their efforts most effectively. Traditional reactive safety measures, such as analyzing incidents after they occur, don't fully equip teams to prevent future issues.

While collecting data on past events, near misses, and observations provides value, the sheer volume of information makes it difficult to identify specific areas or activities that pose the highest risk before incidents happen.

Safety professionals need a way to proactively identify where to focus attention to maximize their impact on injury prevention and improve overall safety performance.

Oracle Construction and Engineering Intelligence - Advisor for Safety addresses these challenges directly, utilizing predictive analytics to analyse various data sources, including safety observations, incidents, and other operational information.

By applying sophisticated algorithms and machine learning, the system identifies patterns and trends to forecast where and when safety incidents are most likely to occur, why and what to do about it. This enables safety teams to move beyond reactive approaches and instead focus preventative measures on areas with the highest predicted risk, often highlighting projects or situations that might otherwise be overlooked.

Advisor for Safety provides actionable insights that help safety teams strategically allocate resources and attention for maximum impact.

Overview

Advisor for Safety is part of Oracle Construction and Engineering Intelligence's portfolio of solutions, built to specifically address the key areas of project risk.

Powered by Oracle AI, Advisor for Safety's predictive models transform structured and unstructured project data into decision support and actionable next steps to proactively mitigate safety risk.

Key Benefits

- Identify the projects most likely to have a safety incident and take proactive steps to prevent injury.
- Predictive analytics provide a step-change in how organizations managing construction and capital projects improve safety performance.
- Our industry models are built on 8000+ years of project data yielding models that are far more accurate and faster to deploy than custom-built solutions.
- Leverage imagery you're already generating from across your entire project portfolio to identify risk.
- Integrations with Oracle Aconex and Oracle Primavera Unifier, in addition to Autodesk and Procore - Advisor for Safety serves as "Mission Control" for your predictive safety programs.

Advisor for Safety predicts which projects will generate up to 80% of safety incidents, enabling focused risk management across your entire portfolio.

It all starts with the Predictive Data Assessment

Identifying and evaluating both the volume and quality of appropriate data sources is essential for successful predictive modelling. The data is then run through our Industry Model and a report showing expected model performance is generated. The model is then deployed to produce actionable insights for your organization.

Risk Forecasting

Weekly reports summarize and rank risks across your projects, providing priorities and prescriptions on what to do next. Risk report cards and Model Performance Metrics tell you how your teams and your model are performing.

Safety Monitoring

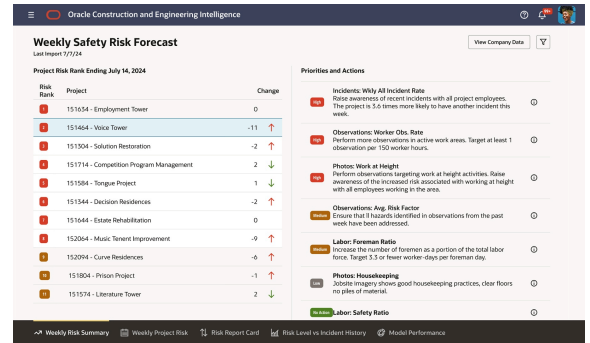
Progress and other jobsite photos contain valuable information about safety. Computer vision provides automatic safety risk assessments and enables cross-project benchmarking for leading risk indicators from slip, trip, and fall hazards to PPE, workers at height, and more.

Transform Safety Culture

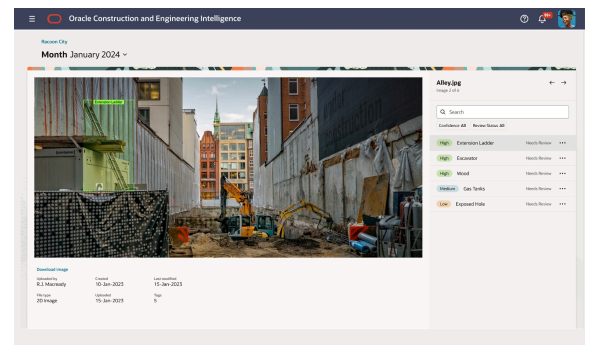
Advisor for Safety provides a single source of truth from which to measure and manage safety across the entire project lifecycle, augmenting the work your safety team is already doing.



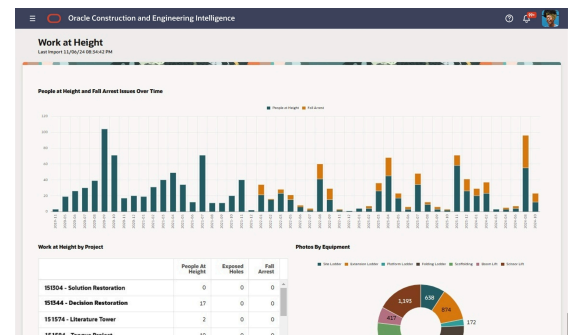
Scan to learn more or visit:
engage.oracle.com/advisorsafety



The weekly risk summary ranks all projects in your portfolio, and which are most likely to have an incident.



Project photos are instantly analyzed for risk and tagged by our computer vision models.



Track safety hazards and jobsite conditions over time. Gain insight into positive and negative trends and the impact of jobsite initiatives.

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