Oracle® Construction and Engineering Intelligence

Advisor for Safety User Guide

G14213-03
July 2025

Oracle Construction and Engineering Intelligence Advisor for Safety User Guide,

G14213-03

Primary Author: Oracle Corporation

Contents

About This Guide

This guide describes how to use the Safety dashboards in Construction and Engineering Intelligence. It describes the Benchmark and the Risk Forecast dashboards within the Safety module.

Audience

This guide is intended for anyone using the Safety dashboards within Construction and Engineering Intelligence.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs if you are hearing impaired.

Conventions

The following text conventions are used in this document.

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`monospace`	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

1

Construction and Engineering Intelligence Overview

Construction and Engineering Intelligence is a smart AI-powered cloud application that identifies potential safety issues associated with construction projects. Construction and Engineering Intelligence's construction-trained AI delivers unbiased insights, predicts where to focus your attention, and prescribes specific actions to mitigate safety risk.

Accessing Construction and Engineering Intelligence

When your organization is provisioned with Construction and Engineering Intelligence, you will receive the Construction and Engineering Intelligence Application URL in a Welcome email.

To sign in for the first time as a user of Construction and Engineering Intelligence:

1. In your Welcome email, click the application URL

   > **Note:**
   >
   > For a list of supported browser versions, see Client System Requirements.

2. In the **Username** field, enter the user name assigned to you.
3. In the **Password** field, enter your password. After your initial sign in, you can proceed to Resetting Your Password.
4. Click **Sign In**.
5. Use the **Navigator** pane to explore the menu options available to you. For more details, see Navigation Overview.

About Your Login Credentials

New customers receive an initial email from `no-reply@oracle.com` to activate their Oracle Cloud account. The link has an expiration date mentioned at the bottom of the email. Make sure to activate your account before the link expires.

You will receive a separate welcome email that includes the URL to access Construction and Engineering Intelligence.

Tip:

- If you do not receive either email, check the spam or junk folder in your email account, or reach out to your customer success manager or Construction and Engineering Intelligence administrator.

- In case you miss the activation window to activate your Construction and Engineering Intelligence account, visit the URL listed in the initial welcome email and select the **Forgot Password?** link.

Resetting Your Password

You can reset your password for Construction and Engineering Intelligence at any time.

To reset your password:

1. Navigate to the **Oracle Cloud Account Sign In** page.
2. Select the **Need help Signing in? Click here** link.
3. On the **Forgot your password** page, enter your user name, and then click **Next**.
4. Review the on-screen message, and click **Submit**.
5. Select **Password Reset** in the email you receive.
6. On the **Reset Your Password** page, complete the **New Password** and **Confirm New Password** fields.

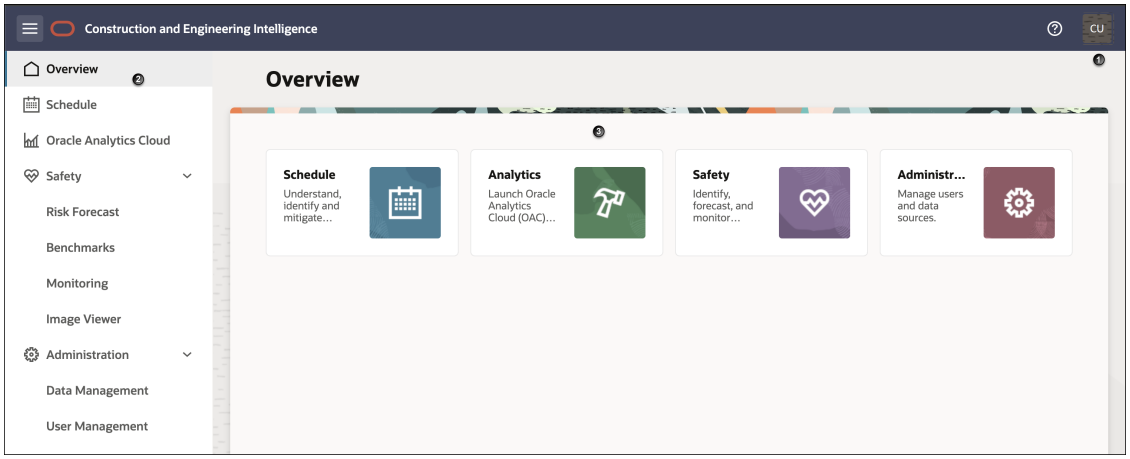
> **Note:**
>
> The **Confirm New Password** field will not be active until your new password meets the specified criteria.

7. Click **Submit**.
8. Select **Click here** to continue to navigate back to the **Oracle Cloud Account Sign In** page, and log in with your new password.

> **Note:**
>
> To allow time for system processing, it is recommended that you wait a few minutes before logging in with your new password.

Navigation Overview

The **Home** page of Construction and Engineering Intelligence displays the following menu and options.



Menu / Option	Description
Navigation Menu	Select to expand or collapse the Navigator pane.
Help	The Help menu displays the following options: • **Oracle Help Center**: Select this option to access all guides in the Construction and Engineering Intelligence library. • **Training**: Select this option to access training resources available for Construction and Engineering Intelligence. • **Support**: Select this option if you need information on how to contact Oracle Support. • **About**: View the product version and build information of Construction and Engineering Intelligence.
1	Displays the initials of the signed-in user. Select this option to sign out of the application.
2	**Navigator** The Navigator displays the modules you can access based on your role and the modules your organization has purchased. • **Overview**: This is the main landing page. • **Safety**: Select this option to access the safety module. • **Analytics**: Select this option to connect, build, and view visualizations in Oracle Analytics Cloud. This module is displayed only if your organization has purchased the license for Construction and Engineering Analytics. • **Administration**: This option is available only if you are an administrator for Construction and Engineering Intelligence. The following options display under Administration: – **Data Management**: Select this option to set up and manage data sources. – **User Management**: Select this option to set up and manage users.
3	The selected module page is displayed. You can select the tiles displayed on the page to navigate within the selected module.

Navigating within the Application

You can navigate within the application using either the Navigator or the tiles on the page.

Using the Navigator:

1. Click the **Navigation Menu** to display the **Navigator** pane.

2. In the **Navigator** pane, select a module.

Examples:

- To access the Administration module: From the **Navigation Menu**, select **Administration**.
- To access the Analytics module: From the **Navigation Menu**, select **Analytics**. A new tab opens with Oracle Analytics Cloud.
- To access the Benchmarks dashboard in the Safety module: From the **Navigation Menu** pane, select **Safety**, then select **Benchmarks**.
- To access the Monitoring dashboard in the Safety module: From the **Navigation Menu** select **Safety**, then select **Monitoring**.

Using tiles

From the **Overview** page or from any of the module pages, select the tiles displayed on the pane.

Examples:

- To select the Administration module: From the **Overview** page, select the **Administration** tile.
- To select the Analytics module: From the **Overview** page, select the **Analytics** tile. A new tab opens with Oracle Analytics Cloud .
- To access the Benchmarks dashboard in the Safety module: From the **Overview** page, select the **Safety** tile, then select the **Benchmarks** tile.
- To access the Monitoring dashboard in the Safety module: From the **Overview** page, select the **Safety** tile, then select **Monitoring** tile.

Keyboard Shortcuts

General Interactive Keyboard Shortcuts

Action	Keys
Move to the next tab stop	Tab
Move to the previous tab stop	Shift+Tab
Toggle between row selection and cell selection	F8
Open the column header menu, when focus is on the column header	Enter or Space
Increase column width, when focus is on the column header	Windows: Ctrl+Right arrow Mac: Ctrl+Cmd+Right arrow
Decrease column width, when focus is on the column header	Windows: Ctrl+Left arrow Mac: Ctrl+Cmd+Left arrow
Move column to next column position, when focus is on the column header	Shift+Right arrow
Move column to the previous column position, when focus is on the column header	Shift+Left arrow
Sort ascending on the current column, when focus is on the column header	Windows: Alt+Up arrow Mac: Option+ Up arrow
Sort ascending on the current column in addition to the existing search columns, when focus is on the column header	Windows: Shift+Alt+Up arrow Mac: Shift+Option+ Up arrow

Action	Keys
Sort descending on the current column, when focus is on the column header	Windows: Alt+Down arrow Mac: Option+ Down arrow
Sort descending on the current column in addition to the existing search columns, when focus is on the column header	Mac: Shift+Option+Down arrow
Move to next tab stop in column header menu, when column header menu is open	Tab
Move to previous tab stop in the column header menu, when column header menu is open	Shift+Tab
Close the column header menu, when the column header menu is open	Escape
Show help (if defined) for an item, when a single row is viewed and focus is on the column	Windows: Alt+F1 Mac: Option+F1

Date Picker

Action	Keys
Open the popup, when the input has focus and Display Mode is set to popup	Down arrow
Close the popup and focus the input, when Display Mode is set to popup	Escape
Focus the next element	Tab

Note:

When the Display Mode is set to popup and the last element is focused, pressing Tab moves focus to the first element.

Action	Keys
Focus the previous element	Shift+Tab **Note:** When the Display Mode is set to popup and the first element is focused, pressing Tab moves focus to the last element.
Move focus to the same day of the previous week	Up arrow
Move focus to the same day of the next week	Down arrow
Move focus to the previous day	Left arrow
Move focus to the next day	Right arrow
Move focus to the first day of the current week	Home
Move focus to the last day of the current week	End
Change the grid of dates to the previous month	Page Up
Change the grid of dates to the next month	Page Down
Change the grid of dates to the previous year	Shift+Page Up
Change the grid of dates to the next year	Shift+Page Down
Select the focused date, when Show Time is off	Enter or Space
Select the focused date, when Show Time is on	Enter or Space, then Done

2

About Safety Dashboards

Benchmarks Dashboard

Use the **Benchmarks** dashboard to view how your project or portfolio of projects are performing against our proprietary benchmarks. The three tabs (Company Level Benchmarks, Project Level Benchmarks, and Project Directory) within the dashboard allow you to view risks at the company level and the project level, and to view performance across your portfolio of projects.

See Benchmark Dashboards for a detailed description of each dashboard and the metrics behind the dashboard.

Risk Forecast Dashboard

Use the **Risk Forecast** dashboard to view projects that are at risk for having a safety incident. Five tabs: (Weekly Risk Summary, Weekly Project Risk, Risk Report Card, Risk Level vs Incident History, and Model Performance) within the dashboard allow you to track weekly risk predictions at the company level and project level. You can use this dashboard to view project risks along with the corresponding recommended actions, view the detailed data behind the predictions, compare risk mitigation efforts for each week, and monitor the risk trends for the life of your project.

See Risk Forecast Dashboards for a detailed description of each dashboard.

Benchmark Dashboards

The **Benchmarks** dashboard provides important metrics to help you gain insights into the safety performance of projects your company manages. As a user with access to single or multiple projects, you can use the dashboard to view how projects are performing against company safety benchmarks. In addition to providing key metrics data, the dashboard also provides actions you can take to help the project optimize safety performance.

The dashboard has three tabs: Company Level Benchmarks, Project Directory, and Project Level Benchmarks. Use Company Level Benchmarks to view metrics for all projects or a subset of projects. The Project Level Benchmarks allows you to view metrics for a single project, and the Project Directory tab allows you to view metrics across multiple projects.

Accessing the Benchmark Dashboards

To access the benchmark dashboards:

1. From the **Navigation Menu**, click **Safety**, and then select **Benchmarks**.

   The default page **Company Level Benchmarks** is displayed.
2. Select a tab:
   - **Company Level Benchmarks**

- **Project Directory**
- **Project Level Benchmarks**

> **Note:**
>
> Your access to dashboards is set by your administrator.

About Benchmark Metrics

The following metrics are displayed in the **Benchmarks** dashboard:

Worker Observation Rate (WOR)
It is the number of worker hours divided by the number of observations made over the same duration. WOR is a measure of workforce engagement by the safety program in place on the project. For example, a project having five workers working 40 hours a week (200 total hours) and engaged in a safety conversation in their work area at least once in that week would result in a WOR of 200 hrs./obs. The target value for the WOR metric is 100 hrs/obs.

Staff Observation Rate (SOR)
It is the number of worker hours divided by the number of observations made over the same duration. SOR is a measure of how engaged project supervision is in the engagement of a project. For example, a project having four staff employees who all work 40 hours each (160 hours total) perform a total of four observations that same week would result in an SOR of 40 hrs./obs. The target value of the SOR metric is 40 hrs./obs.

Incident Frequency Rate (IFR)
It is the number of incidents times 100,000 divided by the total number of hours worked over the same duration. IFR is a measure of how frequently incidents of all severity levels are reported on a project. This metric is indicative of a healthy reporting culture and shows that the organization has established a safe environment for reporting all incidents, including minor incidents. The target value of IFR is between 12.0 to 25.0. This equates to a project identifying and reporting an incident for every 4,000 to 8,000 hours worked on a job site.

Average Incident Severity (AIS)
It is the average severity of all incidents that take place over a fixed duration. AIS measures whether the incident being reported is of the right type. To calculate the AIS, incidents are given a severity score based on their type as indicated below:

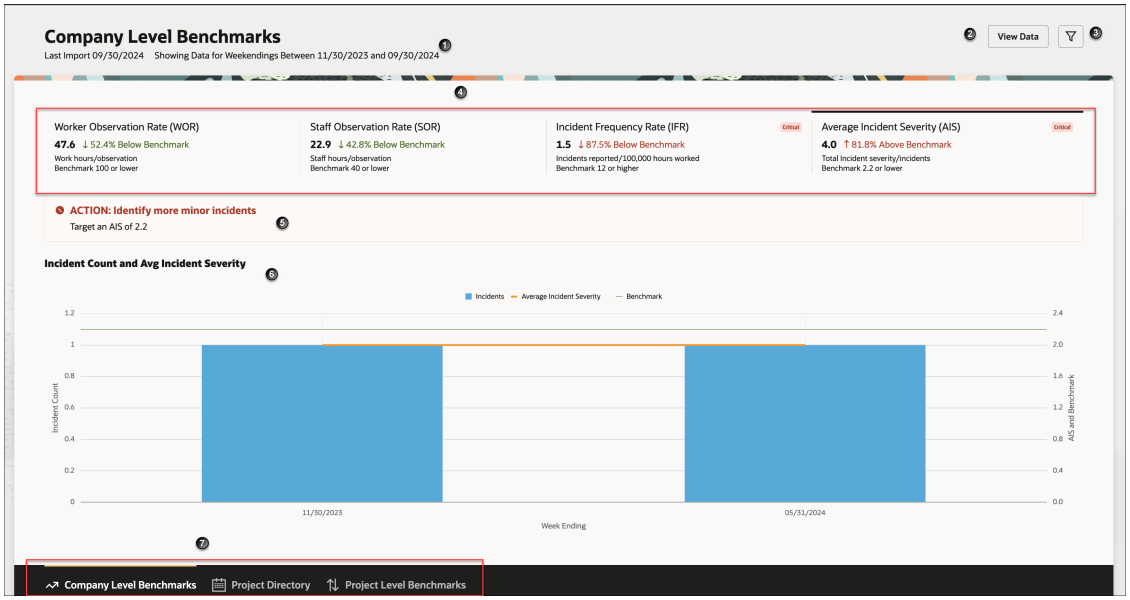
Severity (OSHA-USA)	Severity (HSE- UK)	Severity (AUS-WHS)	Score
Near Miss	Near Miss	Near Miss	1
Property Damage	Property Damage	Property Damage	2
First Aid Injury	First Aid Injury	First Aid Injury	3
Recordable Injury	Dangerous Occurrence/Over 3-Day Incapacitation	Dangerous Incident/Serious Injury or Illness	4
Restricted Duty/Transfer	Over 7-Day Incapacitation	Cases or Alternate Work	5
Lost Time	Specified Injuries	Lost Time	6
Fatality	Fatality	Fatality	7

Company Level Benchmarks

Use the **Company Level Benchmarks** dashboard to view metrics across all or a subset of projects.

The dashboard displays key data to help you evaluate the selected projects against predefined benchmarks. You can use this dashboard to:

- View the safety performance of all your projects at the company-level and compare them against the predefined benchmarks.
- View the following safety metrics for your project: WOR, SOR, IFR, and AIS. For more information, see About Benchmark Metrics .
- View recommended actions to take based on the project performance.
- View the data driving the metric results both in aggregate and over time.



The following screen elements are displayed on the **Company Level Benchmarks** dashboard:

Screen Elements	Description
1	Displays the time the data was imported.
2	**View Data** button. Select to view the data used to generate the dashboard. The following metrics are displayed in the dialog box: • **Incidents**: All Incident Types, Recordables, Average Incident Severity, Average Hours per Incident • **Observations**: Total, Average Users, Risk Observation, Combined Observation Rate • **Trade Labor**: Manpower Entries, Average Number of Trades, Average Number of Workers, Hours • **Payroll/Time cards**: Payroll Entries, Hours, Staff Hours, Craft Hours
3	**Filter** icon. Select to filter on date range. The options include: Latest Import, All Time, Last Week, Month to Date, Quarter to Date, and Year to Date.

Screen Elements	Description
4	**Metrics Tiles**. Each tile displays the following information: • Name of the metrics • Severity badge (Critical, Warning): displays only if the metrics is above the benchmark value. • Metrics value • Percentage above or below the benchmark • Benchmark value For more information, see About Benchmark Metrics.
5	Displays recommend actions if your project metrics are either above or below the benchmark threshold.
6	Displays an interactive graph to view metrics over the time period and compares it against predefined benchmark values.
7	Tabs to navigate to the Company Level Benchmark, Project Details, and Project Level Benchmarks pages.

How to use the dashboard

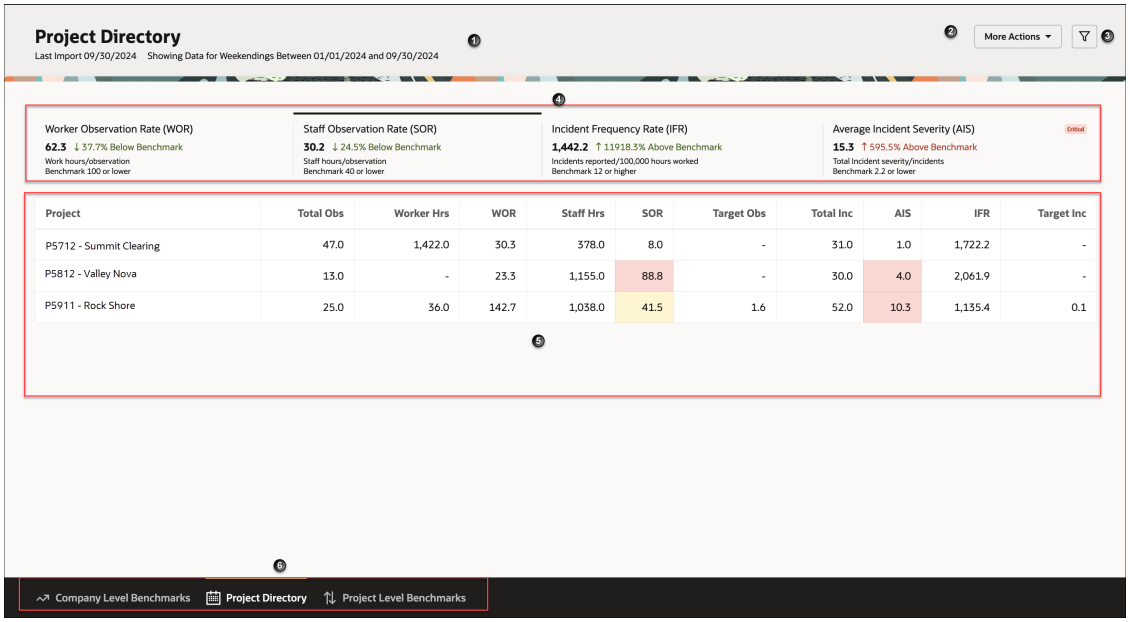
- Review the high-level metrics displayed on the **Metrics Tiles**.
- View the metrics graph by selecting a metric from the **Metrics Tiles**. For example, when you click the **Worker Observation Rate WOR** tile, the graph for the WOR metric is displayed. It shows the time period (week ending), WOR values, benchmark values, and the observation count.
- View the data for a specific time period by hovering over the graphic.
- View the recommended actions under the **Metrics Tiles**.
- View the data used to generate the graph by clicking the **View Data** button.

Project Directory

Use the **Project Directory** dashboard to view safety metrics for a selected list of projects.

The dashboard displays key data to help you view how projects are performing against predefined safety benchmarks. You can use this dashboard to:

- See how selected projects are comparing against predefined safety benchmarks.
- Identify project safety metrics that are either below or above thresholds. The metrics are color coded for easy identification.
- Filter the projects list to expand or narrow your search criteria.
- View the following safety metrics for all selected projects: WOR, SOR, IFR, and AIS. For more information, see About Benchmark Metrics.
- View the data driving the metric results.



The following screen elements are displayed on the **Project Directory** dashboard:

Screen Elements	Description
1	Displays the time the data was imported.
2	**More Actions** drop-down menu: • **Select Projects**: Opens the **Select Projects for Comparison** dialog box. You can select the projects you want to view metrics and compare. • **View Data**: Select to view the data used to generate the dashboard. The following metrics is displayed in the dialog box: – **Incidents**: All Incident Types, Recordables, Average Incident Severity, Average Hours per Incident – **Observations**: Total, Average Users, Risk Observation, Combined Observation Rate – **Trade Labor**: Manpower Entries, Average Number of Trades, Average Number of Workers, Hours – **Payroll/Time cards**: Payroll Entries, Hours, Staff Hours, Craft Hours
3	**Filter** icon. Select to filter on date range. The options include: Latest Import, All Time, Last Week, Month to Date, Quarter to Date, and Year to Date.
4	**Metrics Tiles** - Each tile displays the following information: • Name of the metrics • Severity badge (Critical, Warning): displays only if the metrics is above the benchmark value. • Metrics value • Percentage above or below the benchmark • Benchmark value For a description of the metrics, see About Benchmark Metrics.

Screen Elements	Description
5	**Metrics Table** - Provides detailed statistics for the observations and incidents recorded at the project level. The following information is displayed: • Project • Observations – Total – Worker hours – WOR (WOR at project level) – Staff hours – SOR (SOR at project level) – Target Observations • Incidents – Total Incidents (Count of all incidents on that project) – AIS (AIS at project level) – IFR (IFR at project level) – Target Incidents
6	Tabs to navigate to the Company Level Benchmark, Project Details, and Project Level Benchmarks pages.

How to use the dashboard

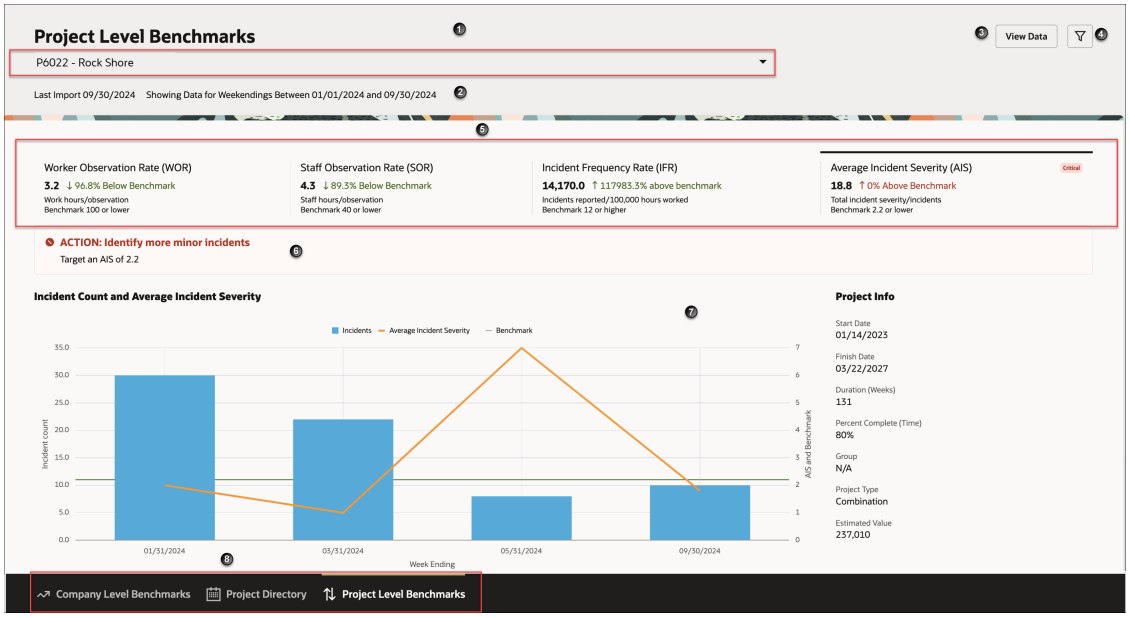
- Choose the projects to compare:
  1. From the **More Actions** drop-down list, choose **Select Projects**.
  2. From the **Select Projects for Comparison** dialog box, select your projects and click **Apply**.
- View the high-level metrics for all projects displayed on the **Metrics Tiles**.
- Compare the metrics for each project. The metrics are color coded for easy identification.
- View the data used to generate the table. From the **More Actions** drop-down list, choose **View Data**.

Project Level Benchmarks

Use the **Project Level Benchmarks** dashboard to view safety metrics for a specific project.

The dashboard displays key data to help you view how your project is performing against predefined safety benchmarks. You can use this dashboard to:

- See how your project is comparing against predefined safety benchmarks.
- View the following metrics for your project: WOR, SOR, IFR, and AIS. For more information, see About Benchmark Metrics.
- View recommended actions based on project performance.
- View the data driving the metric results both in aggregate and over time.



The following screen elements are displayed on the **Project Level Benchmarks** dashboard:

Screen Elements	Description
1	**Project** drop-down list. Displays all the project you can access. The projects are sorted in alphabetically order. Use the drop-down to select your project.
2	Displays the time the data was imported.
3	**View Data** button. Select to view the data used to generate the dashboard. The following metrics are displayed in the dialog box: • **Incidents**: All Incident Types, Recordables, Average Incident Severity, Average Hours per Incident • **Observations**: Total, Average Users, Risk Observation, Combined Observation Rate • **Trade Labor**: Manpower Entries, Average Number of Trades, Average Number of Workers, Hours • **Payroll/Time cards**: Payroll Entries, Hours, Staff Hours, Craft Hours
4	**Filter** icon. Select to filter on date range. The options include: Latest Import, All Time, Last Week, Month to Date, Quarter to Date, and Year to Date.
5	**Metrics Tiles**. Each tile displays the following information: • Name of the metrics • Severity badge (Critical, Warning): displays only if the metrics is above the benchmark value. • Metrics value • Percentage above or below the benchmark • Benchmark value For a description of the metrics, see About Benchmark Metrics.
6	Displays recommend actions if your project metrics are either above or below the benchmark threshold.
7	Displays an interactive graph to view metrics over the time period and compares it against predefined benchmark values.
8	Tabs to navigate to the Company Level Benchmark, Project Details, and Project Level Benchmarks pages.

How to use the dashboard

- From the **Project** drop-down list, select a project.
- View the high-level metrics displayed on the **Metrics Tiles**.
- From the **Metrics Tiles**, select a metric to view the graph for the selected metric. For example, when you select the **Work Observation Rate WOR** tile, the graph for the WOR metric is displayed. It shows the week ending, WOR values, benchmark values, and the observation count.
- Hover over the graphic to view the data for a specific time period.
- View the recommended actions under the **Metrics Tiles**.
- View the data used to generate the graph. Click the **View Data** button.

Risk Forecast Dashboards

Use the **Risk Forecast** dashboards to assess which of your projects are at risk of having a safety incident in the coming week.

The dashboards also show the factors that are driving the risk and the actions project teams can take to mitigate the risk. Multiple dashboards allow you to view either a high-level list of all projects that are ranked based on their risk score, or view risks levels for individual projects. Use these dashboards to:

- Monitor your projects closely and track the risk rankings on a weekly basis to see if appropriate actions are being taken on the project.
- Review project priorities and recommended actions to help mitigate safety risks.
- Track model performance over time with a detailed list of safety incidents and the rank of the project on which they occurred.
- Compare the risk level with the incident history for your project.
- View all risk factors applicable to your projects along with their definitions.

The following dashboards are part of the Risk Forecast dashboard: Weekly Risk Summary, Weekly Project Risk, Risk Report Card, Risk Level vs Incident History, and Model Performance.

Accessing Risk Forecast Dashboards

To access the **Risk Forecast** dashboards:

1. From the **Navigation Menu**, click **Safety** and then select **Risk Forecast**.

   The default page **Weekly Safety Risk Summary** is displayed.
2. Select a tab:
   - **Weekly Safety Risk Summary**
   - **Weekly Project Risk**
   - **Risks Report Card**
   - **Risk Level vs Incident History**
   - **Model Performance**

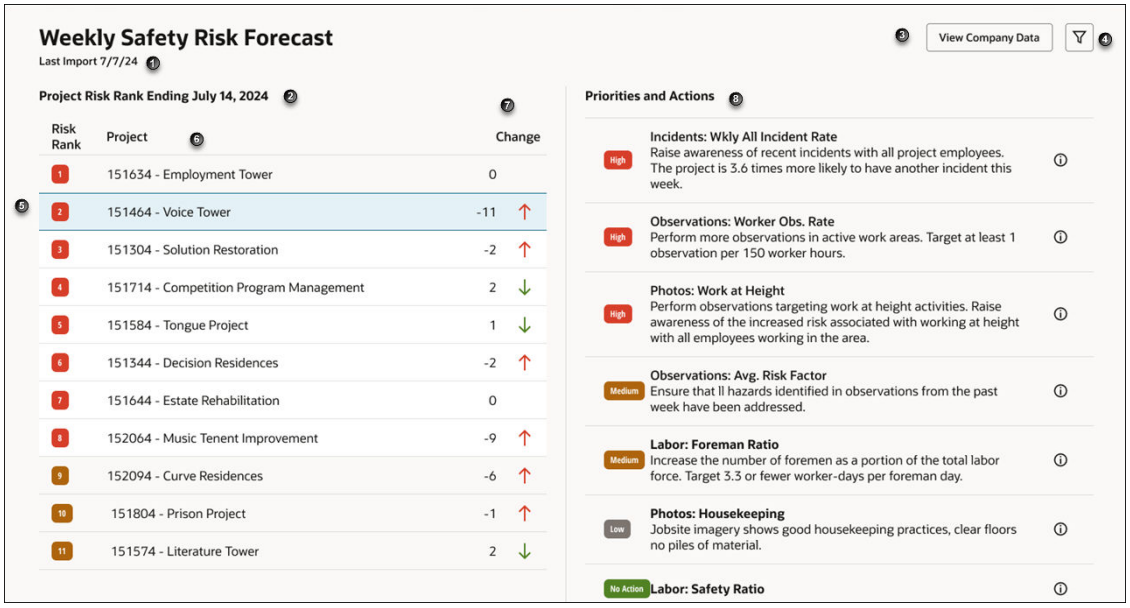
> **Note:**
>
> Your access to dashboard tabs is set by your administrator. The tab visibility is based on user roles; a multi-project user has access to all tabs, while a single project user can only access the Weekly Project Risk, the Risk Report Card, and the Risk Level vs Incident History tabs.

Weekly Safety Risk Summary

Use the **Weekly Safety Risk Summary** dashboard to view a high-level list of all projects ranked by the likelihood of an incident to occur in the week ahead.

You can use this dashboard to:

- View the overall risk ranking for the projects in your portfolio. The risk rank is based on the likelihood of an incident occurring in the coming week.
- Understand the risk factors driving the incident risk on each project.
- Potentially reduce project risk by implementing the recommended action steps.



The following screen elements are displayed on the **Weekly Safety Risk Summary** dashboard:

Screen Elements	Description
1	Displays the date the data was last imported. The dashboard predictions are based on the data for the week prior to this date.
2	**Project Risk Rank Ending** - Displays the week ending date. The project ranking is calculated for the week ending on the date specified.

Screen Elements	Description
3	**View Company Data** button. Select to view the data used to generate the dashboard. The following metrics are displayed in the dialog box: • **Incidents**: Total Last Week, Recordables Last Week, JTD Incidents, JTD Recordables • **Observations**: Total Last Week, Worker Observation Rate, Staff Observation Rate, Average Observation Risk • **Trade Labor**: Total Worker Days, Total Hours, Percent Apprentices, Supervision Ratio • **Payroll/Head Count**: Total Head Count, Total Hours, Safety Hours, Safety Ratio • **Photos**: Photo Count, Photo Coverage, Work at Height Composite
4	**Filter** button. Select to filter the projects list.
5	**Rank** column. Display a numerical risk rank for each project. The risks are color coded as follows: • Red: High risk • Brown: Elevated risk • Gray: Lower risk
6	**Project** column. Displays the ID and the name of the project.
7	**Change** column. Displays the change in project risk rank from last week's predictions. The numeric value shows the change in ranking, and the arrow indicates whether the project has moved up or down the list. An up arrow in red color indicates that the project's risk rank has increased, while a down arrow in green indicates that a project has decreased its project risks. A value of 0 indicates that there is no change in risk rank from last week.
8	**Priorities and Actions** pane. Displays the project priorities and the recommended actions. The priorities are labeled as High, Medium, Low, and No action. The metric is listed along with the recommended actions. You can hover over the **Tool Tip** icon to view a definition of the metric.
Weekly Risk Summary, Weekly Project Risk, Risk Report Card, and Model Performance tabs.	Tabs to navigate to the Weekly Risk Summary, Weekly Project Risk, Risk Report Card, and Model Performance pages.

How to use the dashboard

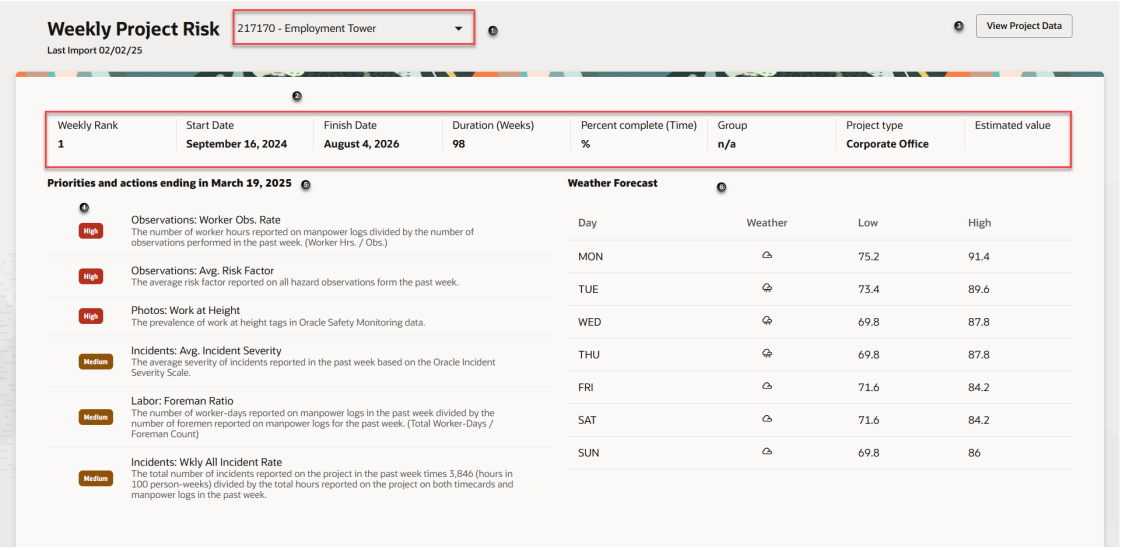
- View projects that are at high risk for safety incidents by monitoring the **Rank** and **Change** column for each project.
- Use the **Change** column number and arrows to see how much the risk rank of a project has changed from the prior week.
- Select an individual project from the **Project** column to view the priorities and actions that must be taken on the selected project. The priorities and actions are displayed on the right pane.
- Hover over the **Tool Tip** icon to view a description of the metrics.
- Click the **View Data** button to view the metrics detail that was used to predict risks. This data is an aggregation of the metrics across all projects.

Weekly Project Risk

Use the **Weekly Project Risk Summary** dashboard to view the risk predictions for a single project.

You can use this dashboard to:

- View risk predictions for one project at a time.
- View the risk ranking.
- Review your project priorities and the actions you can take to mitigate potential safety risks.
- View project details, and the weather forecast for the week.
- View the data that was used to display the risk predictions.



The following screen elements are displayed on the **Weekly Project Risk** dashboard:

Screen Elements	Description
1	Project drop-down list. Select the drop-down list to select a project. **Note:** Some users may only have access to a single project.

Screen Elements	Description
2	Project information and weekly rank. The following project information is displayed: • Start date of the project. • Finish date of the project. • Duration of the project in weeks. • Project percent complete by time. • The project's group. • Project type. • Estimated value of the project.
3	**View Project Data** button. Select to view the data used to generate the dashboard. The following metrics is displayed in the dialog box: • **Incidents**: Total Last Week, Recordables Last Week, JTD Incidents, JTD Recordables • **Observations**: Total Last Week, Worker Observation Rate, Staff Observation Rate, Average Observation Risk • **Trade Labor**: Total Worker Days, Total Hours, Percent Apprentices, Supervision Ratio • **Payroll/Head Count**: Total Head Count, Total Hours, Safety Hours, Safety Ratio • **Photos**: Photo Count, Photo Coverage, Work at Height Composite
4	Displays the priority of the actions to take.
5	Feature priority and actions for the week ending.
6	Displays the weather forecast of the current week
Weekly Risk Summary, Weekly Project Risk, Risk Report Card, and Model Performance tabs.	Tabs to navigate to the Weekly Risk Summary, Weekly Project Risk, Risk Report Card, and Model Performance pages.

How to use the dashboard

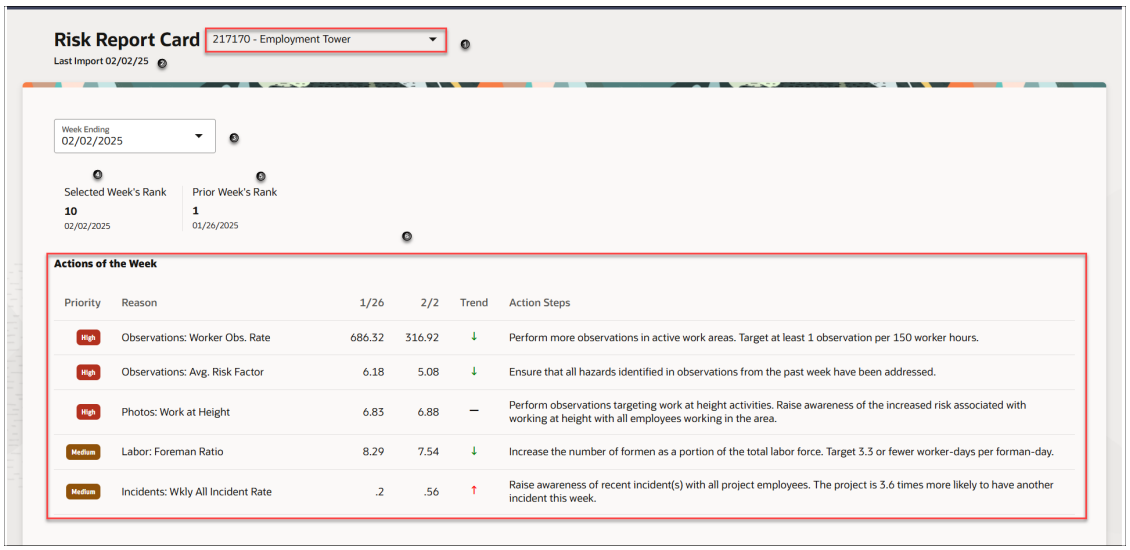
- From the **Project** drop-down list, select a project.
- Review the project details and the weekly rank.
- View the priorities and actions that must be taken on the selected project.
- Hover over the **Tool Tip** icon to view a description of the metrics.
- View the metrics detail that was used to generate the risk predictions. Click the **View Data** button.

Risk Report Card

Use the **Risk Report Card** dashboard to view if the safety risk metrics on projects have changed compared to the previous week.

You can use this dashboard to:

- Review the risk mitigation actions for the selected week and prior weeks.
- Compare how well a project performed at following and implementing the recommendations.
- View a project's risk ranking for a selected week and compare it with the prior week's ranking.



The following screen elements are displayed on the **Risk Report Card** dashboard:

Screen Elements	Description
1	Project drop-down list. Select the drop-down list to select a project.
2	Displays the day the data was last imported. The risk rank is from the predictions made prior to the week ending date specified.
3	Week Ending drop-down list. Select the week ending you want to review.
4	Selected Week's Rank. Displays the rank of the selected project, the change in rank from the previous week, a red or green arrow indicating if the risks have increased or decreased, and the date of the selected week ending.
5	Prior Week's Rank. Displays the rank of the selected project for the week prior to the selected week ending, and the week ending date.
6	Actions of the Week. Displays the priority (High, Medium, or Low), the risk trend (Up or Down arrow), and the recommended actions to mitigate the risks.
Weekly Risk Summary, Weekly Project Risk, Risk Report Card, and Model Performance tabs.	Tabs to navigate to the Weekly Risk Summary, Weekly Project Risk, Risk Report Card, and Model Performance pages.

How to use the dashboard

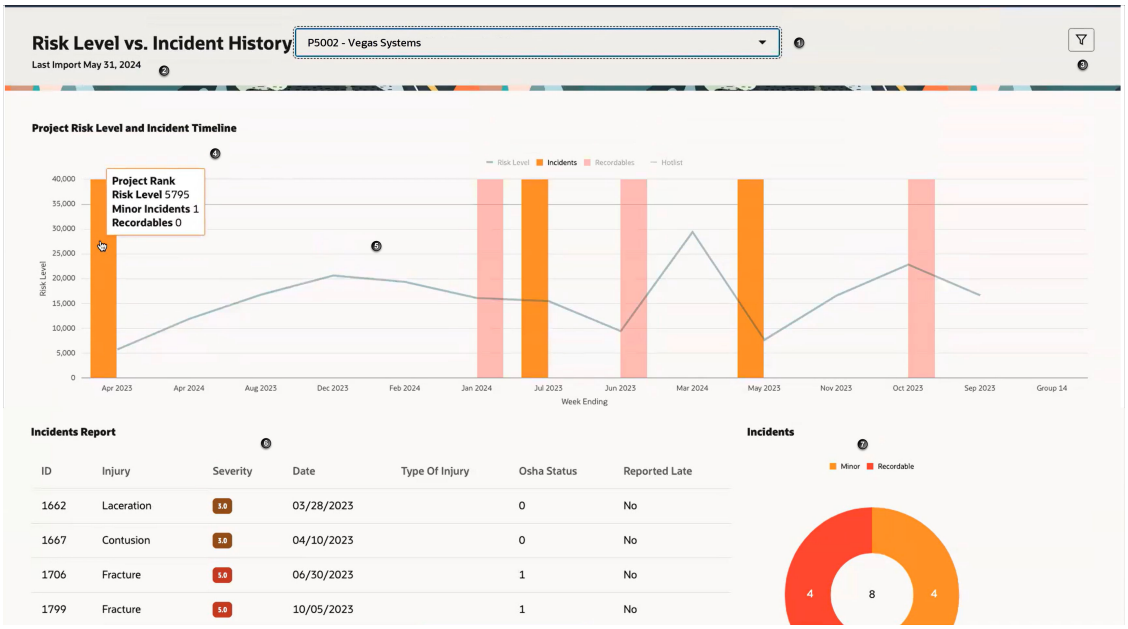
- From the **Project** drop-down list, select your project.
- From the **Week Ending** drop-down list, select a week ending date.
- Review the risk rank for the selected week and the prior week. Note if there was an improvement in the ranking.
- Monitor if the project risk drivers are trending in the right direction.
- Review the priorities and actions that were recommended for the selected week ending.

Risk Level vs Incident History

Use the **Risk Level vs Incident History** dashboard to view if the safety risks associated with your project were reduced compared to the previous weeks.

You can use this dashboard to:

- Track the risk level of a project over the duration of the project.
- Track the incidents reported on the selected project.
- Track if a project has made progress in reducing safety risks.



The following screen elements are displayed on the **Risk Level vs Incident History** dashboard:

Screen Elements	Description
1	Project drop-down list. Displays the name of the project. Select the drop-down list to select a project. Only the projects you have access to are displayed.
2	Displays the day the data was last imported.
3	**Filter** button. Select to filter the projects list.
4	Incidents line chart. If an incident (minor or recordable) was reported for a week, a line chart is plotted to display the incident. A red line is displayed for recordables, and a yellow line is used to denote minor incidents. If a week has both minor and recordables, the line is displayed only in red. Click on an incident line on the graph to filter the table and the incident chart to only display incidents that are applicable to the selected week ending.
5	Project Risk Level and Incident Timeline graph. Interactive graph displays the risks levels along with the week endings. Risk level is a value between 1 and 100 expressed in percent. It reflects the percentage of projects that are ranked lower than the selected project. The higher the value of risk level, the higher the risk of the project have an incident.

Screen Elements	Description
6	Incidents Report table. Display all the incidents for the project in increasing order of date. When the incident line is selected from Incident Line chart, the data is filtered to show the incidents for the selected week ending. The following details are displayed (if available): • Date of incident • ID of the incident • Type of the incident • Injury • OSHA status • Severity. A value ranging from 1 to 7, where 1 is a near miss and 7 is a fatality and 4 is a recordable. A caution symbol is displayed for incidents of Severity 4 or more. • Reported late
7	Incident chart: Displays a count of minor and recordable incidents. Click on the chart to filter the table to show incidents of the selected type (Minor or Recordables).
Weekly Risk Summary, Weekly Project Risk, Risk Report Card, Risk Level vs Incident History, and Model Performance tabs.	Tabs to navigate to the Weekly Risk Summary, Weekly Project Risk, Risk Report Card, Risk Level vs Incident History, and Model Performance pages.

How to use the dashboard

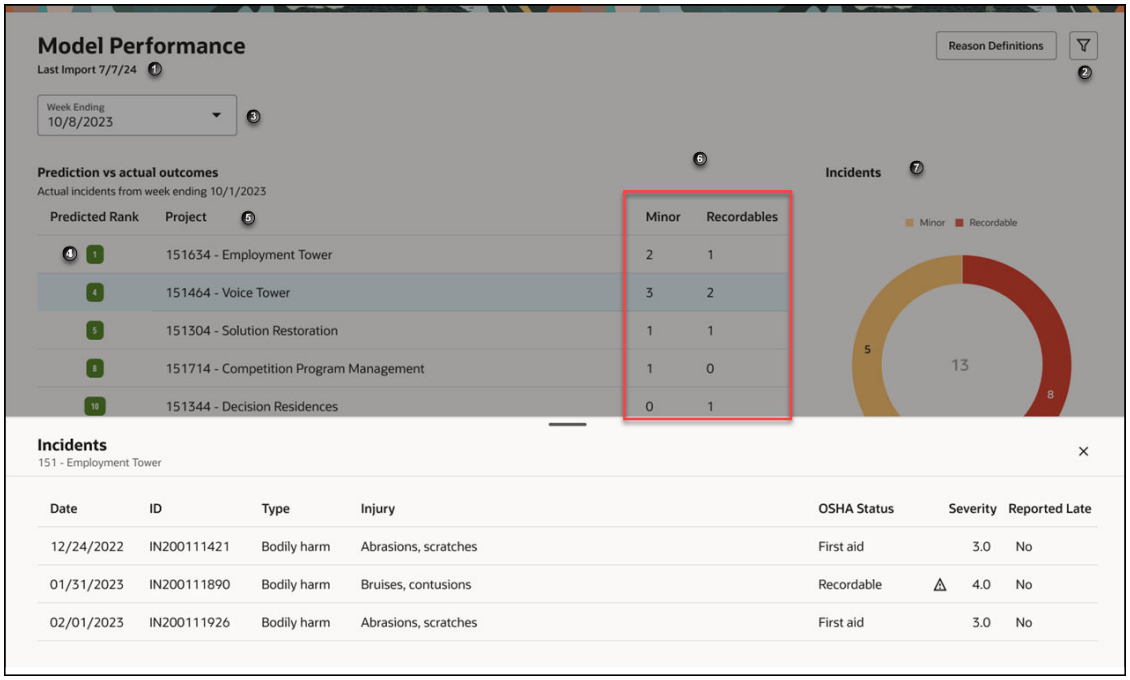
- From the **Project** drop-down list, select a project.
- Review the Project Risk Level and Incident Timeline graph to see how many risks and incidents were reported on your project.
- Select the Incident line chart or the Incident chart to review the types of incidents that were reported.

Model Performance

Use the **Model Performance** dashboard to assess if the risk models are accurately predicting incidents across projects.

You can use this dashboard to:

- Compare the risk predictions with the actual outcomes.
- View the types of incidents that were reported for a selected project and the rank of that project assigned by the model.
- Review if the recommended actions are helping to mitigate the risks.



The following screen elements are displayed on the **Model Performance** dashboard:

Screen Elements	Description
1	Displays the day the data was last imported.
2	**Filter** button. Select to filter the projects list.
3	Week Ending drop-down. Select the week ending date you want to review.
4	The predicted rank for the project.
5	The name of the project. Click on the project name to open the **Incidents** panel.
6	Number of minor and recordable incidents reported for the project in the selected week ending.
7	Incident chart. Display the total number of minor and recordable incidents for all projects in a donut chart. The total number of incidents is displayed in the center.
Incidents panel	**Incidents** panel. Select a project to display the **Incidents** panel. It displays all incidents reported for the project. The following details are displayed: • Date of incident • ID of the incident • Type of the incident • Injury • OSHA status • Severity. A value ranging from 1 to 7, where 1 is a near miss, 7 is a fatality, and 4 is a recordable incident. A caution symbol is displayed for incidents of Severity 4 or more. • Reported late

Screen Elements	Description
Reason Definitions button	**Reason Definitions** button. A dialog box displays the actionable and foundational reasons or features that the model uses to make predictions. Actionable reasons - Lists the features selected by the model as significant which can be acted on by the project team. The corrective course of action is also displayed. Foundation reasons - Lists the features selected by the model as significant but does not have any corrective course of action as these reasons cannot be acted on by the project team.
Weekly Risk Summary, Weekly Project Risk, Risk Report Card, and Model Performance tabs.	Tabs to navigate to the Weekly Risk Summary, Weekly Project Risk, Risk Report Card, and Model Performance pages are displayed at the bottom of the page.

How to use the dashboard

- From the **Week Ending** drop-down list, select a week.
- Review the projected risk rank for all projects that have at least one minor or recordable incident. If all or most of your projects are in green, then the model is performing well. If most or all the project ranks are yellow, orange or red, it indicates that model did perform well for the selected week and may need to be retrained.
- Review the donut chart representing the total number of incidents (minor and recordable).
- Select a project to view the incident pane. Review the details of each incident from the pane.
- Select the chart to filter the incident table.