Risk of Events From Threats with Controls

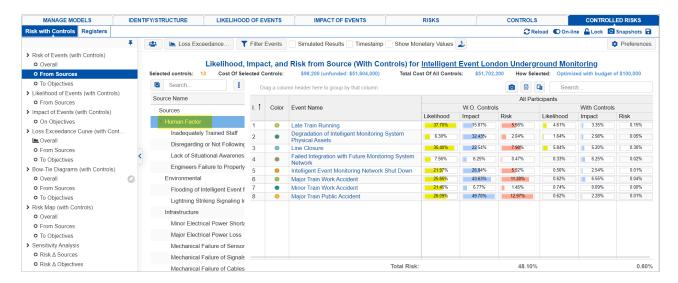
Overview

This page displays a similar grid as with the Risk of Events From Threats (without controls), but with added columns for results when Controls are in effect.

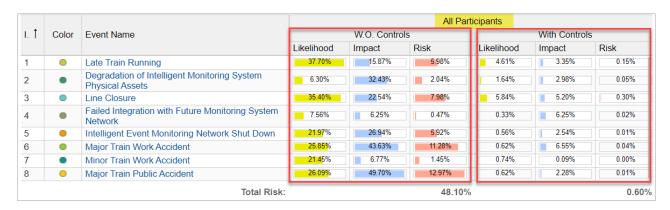
In Riskion, we refer to **threats**, **causes**, **hazards**, and **sources** interchangeably. While they may have slightly different nuances depending on the context in which they are used, they serve the same purpose -- they are all threats/sources of risk (for Risk Events) or sources of opportunity (for Opportunity Events).

In our sample model, we are using the terminology "Source(s)".

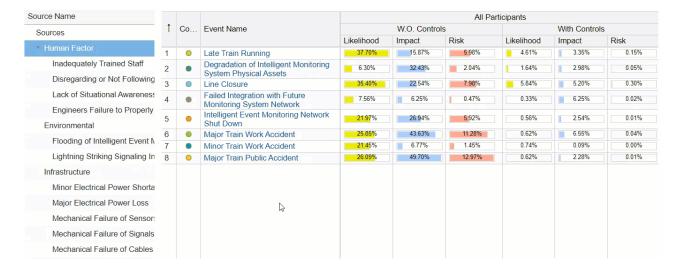
The Likelihoods, Impacts, and Risks of the events from Source "Human Factor" without and with controls are displayed below:



The combined results for "All Participants" are displayed by default. The W.O. (without) Controls and With Controls are displayed below the "All Participants" column heading.



A Source is selected from the Sources Hierarchy at the left.



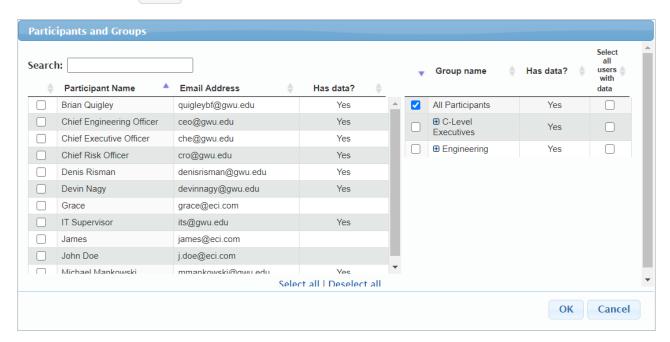
You can also select the top node "Sources" which will show the same results as with the Overall Risk Results page.

The Events on the grid may vary depending on the contributions of the events given the selected source.

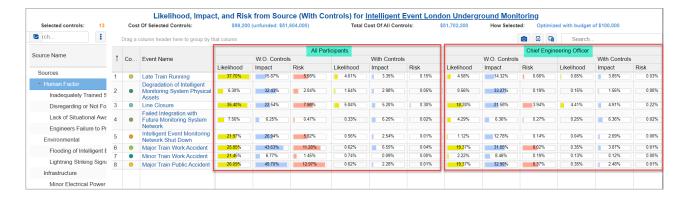
Select Participants and Groups

By default, the results shown are for the "All Participants" group.

By selecting from the "Participants and Groups" icon, you can display the results for other participants or groups



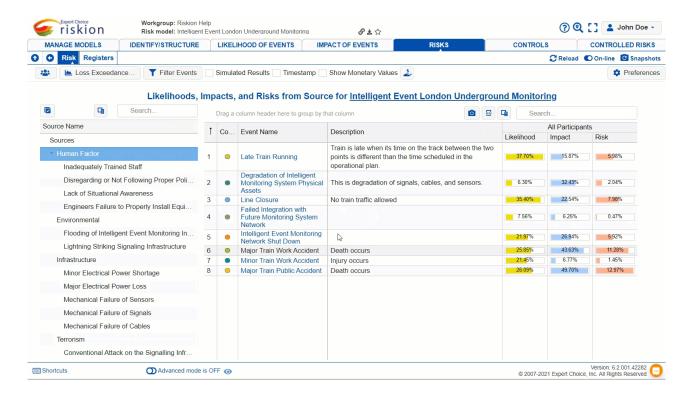
After selecting participants and groups to display, click OK.



Open Bow-tie diagram from Grid

Clicking the Event Name will open a modal that displays the bow-tie diagram for the selected event.

From the Bow-tie diagram, you analyze the **likelihoods** (left) and **impacts** (right) of the selected **event** (center) For **Threats** with **controls**. Click "Bow-tie Diagram From Threats" for more details.



Export Grid into excel or image format



You can export the grid into a .xlsx file by clicking

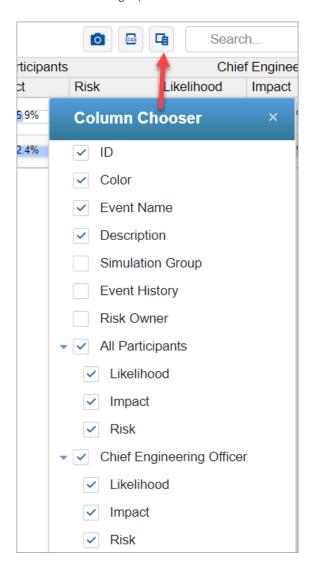


Show or Hide columns

You can show/hide columns both for:

- the main results grid at the right, and
- the hierarchy tree at the left

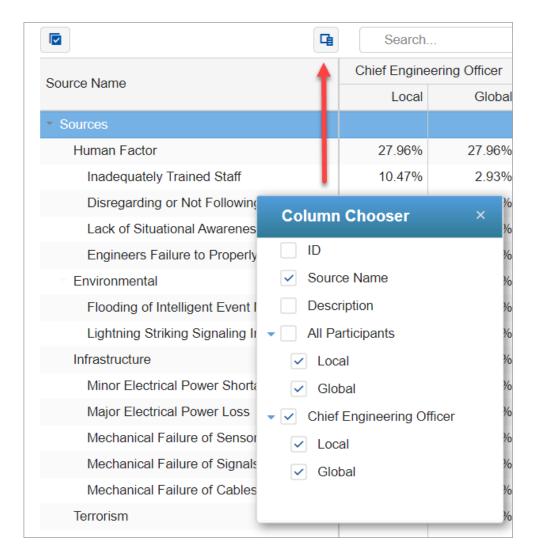
For the main results grid, click the column chooser at the top of the grid:



Simply check/uncheck the column(s) you want to show/hide.

The events attributes can also be displayed on the grid, from above the "Event History" and "Risk Owner" are events attributes.

For the Sources Hierarchy, click also the column choose on its top:

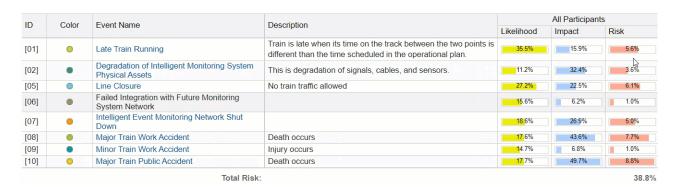


Here you can select:

- ID Source ID
- Source Name
- Description source's description or information document
- Local and Global local or global likelihoods of the sources based on the selected participant/group judgments

Sort by Column

Clicking the column header can sort the grid in ascending or descending order by that header.

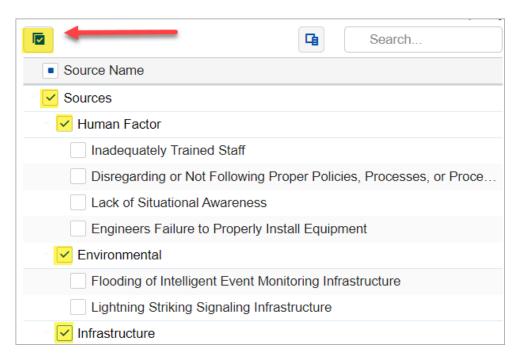


You can reset the sorting by pressing the Ctrl key on your keyboard and clicking again the column header where the sorting is currently active.

Select Multiple Source Nodes

Instead of showing results only from one WRT Source, you can also select multiple source nodes at once.

To enable multi-select, click the multi-select icon at the top of the Sources Hierarchy. By doing so, you will see checkboxes to the right of the source names where you can select the WRT source nodes you want to see the results.



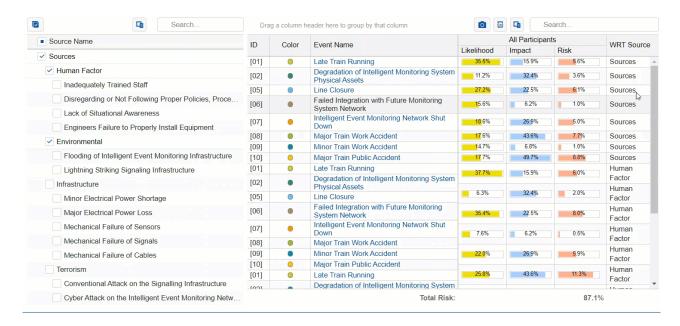
A new column, WRT Source, will be displayed on the main results grid to indicate the WRT nodes for each event.

ID	Color	Event Name	All Participants			MDT C
			Likelihood	Impact	Risk	WRT Source
[01]	0	Late Train Running	35.5%	15.9%	5.6%	Sources
[02]	•	Degradation of Intelligent Monitoring System Physical Assets	11.2%	32.4%	3.6%	Sources
[05]		Line Closure	27.2%	22.5%	6.1%	Sources
[06]	•	Failed Integration with Future Monitoring System Network	15.6%	6.2%	1.0%	Sources
[07]	•	Intelligent Event Monitoring Network Shut Down	18,6%	26.9%	5.0%	Sources
[80]		Major Train Work Accident	17.6%	43.6%	7.7%	Sources
[09]		Minor Train Work Accident	14.7%	6.8%	1.0%	Sources
[10]	0	Major Train Public Accident	17.7%	49.7%	8.8%	Sources
[01]	0	Late Train Running	37.7%	15.9%	6.0%	Human Factor
[02]	•	Degradation of Intelligent Monitoring System Physical Assets	6.3%	32.4%	2.0%	Human Factor
[05]		Line Closure	35.4%	22.5%	8.0%	Human Factor
[06]	•	Failed Integration with Future Monitoring System Network	7.6%	6.2%	0.5%	Human Factor
[07]	•	Intelligent Event Monitoring Network Shut Down	22.0%	26.9%	5.9%	Human Factor
[80]		Major Train Work Accident	25.8%	43.6%	11.3%	Human Factor
[09]	•	Minor Train Work Accident	21.5%	6.8%	1.5%	Human Factor
[10]	0	Major Train Public Accident	26.1%	49.7%	13.0%	Human Factor
[01]	0	Late Train Running	0.2%	15.9%	0.0%	Environmental
[02]	•	Degradation of Intelligent Monitoring System Physical Assets	0.2%	32.4%	0.1%	Environmental
[05]		Line Closure	0.0%	22.5%	0.0%	Environmental

From above, we can see the likelihoods, impacts, and risks of the events WRT the Overall Sources (top-node), Human

Factor, and Environmental.

You can also group the grid by WRT source for better display, this is done by dragging the WRT column header to the top left of the grid:



Show Monetary Values

Simulated vs Computed Event Likelihoods, Impacts, and Risks (Flaw of Averages)

Preferences