

Advanced Analytics



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Advanced Analytics

To access Analytics, you need to select the Analytics app on the left-hand side menu. If you do not yet have this application available, [please contact our team](#).

This guide will take you through some of the more advanced analytics on the Constructionline network, including AI mined Public Data and the Financial Analytics.

1 AI Mined Public Data

2 Financial Health



- 1. AI Mined Public Data:** This uses available sources of public information and matches it to your supply chain.
- 2. Financial Health:** This uses data from Constructionline in addition to information from Company watch to derive a financial health score and probability of distress percentage on the supply chain.

AI Mined Public Data

There are two main areas in this section:

- 1. Health and Safety:** We use data from the Health and Safety Executive (HSE) website and matches it to data that we have on your supply chain to identify any health and safety incidents within your supply chain.
- 2. Environmental:** We use data from the Environment Agency website and match it to data that we have on your supply chain to identify any types of Environment Agency events you may have within your supply chain.

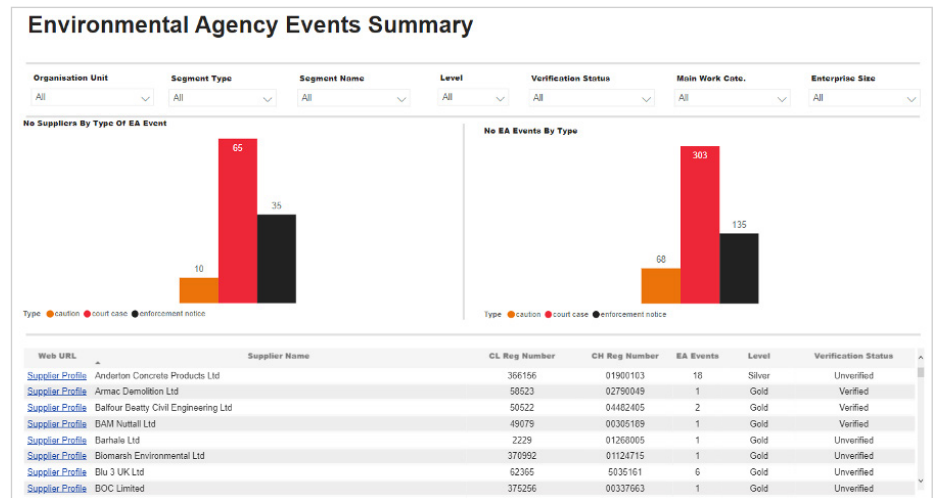
HSE Event History

This shows:

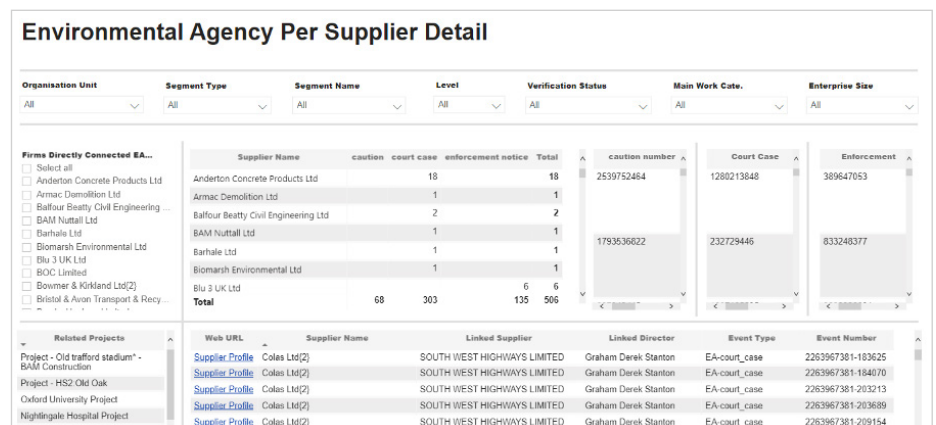
- 1.** The number of HSE events within your supply chain, or subset, depending on the filter criteria applied. The number of events is nearly always higher than the number of suppliers, as some suppliers have multiple HSE events.
- 2.** The number of suppliers that have had a health and safety event will show the number of suppliers for each event type.
- 3.** The associated events. This identifies events that are not directly attributed to an organisation in your supply chain, but they are linked to an event where a director in an organisation in your supply chain previously worked at an organisation which had HSE events.

Environmental

This report shows the Environment agency events by the number of suppliers and type as well as the total number of events within your supply chain or a selected subset. The graphs can be used as filter criteria along with the drop-down filters at the top of the page.

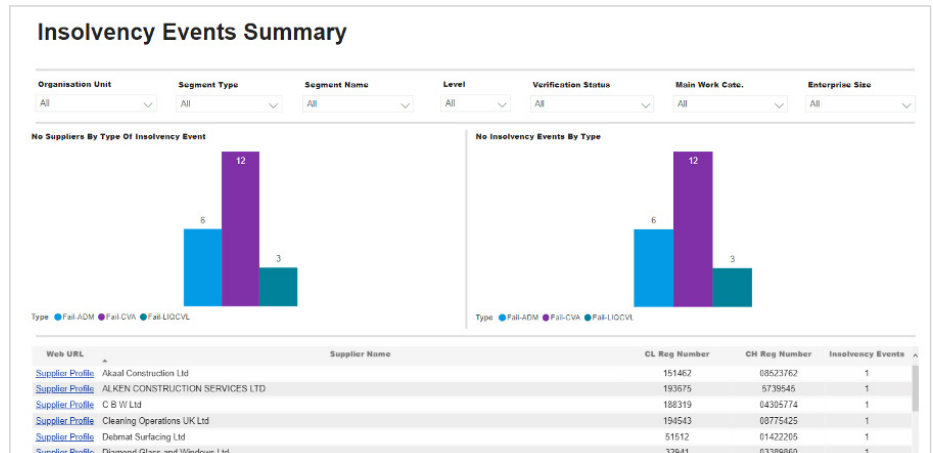


Environment agency per supplier detail shows the detail of the suppliers and the individual caution, court cases or enforcements.



Insolvency

This shows the details of any insolvency by the supplier as well as the number of events.



Insolvency list by suppliers is available on the next tab.

Insolvency Per Supplier Detail

Organisation Unit: All | Segment Type: All | Segment Name: All | Level: All | Verification Status: All | Main Work Cate.: All | Enterprise Size: All

Firms Directly Connected Inso...

Select all

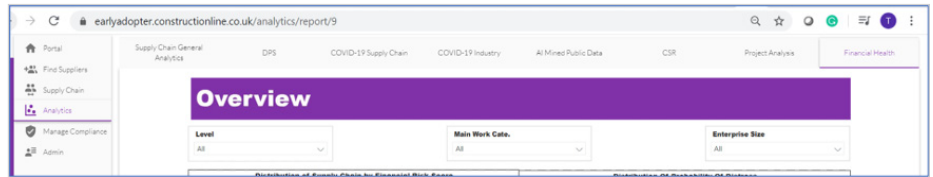
- Alkaal Construction Ltd
- ALKEN CONSTRUCTION SERVIC...
- C B W Ltd
- Cleaning Operations UK Ltd
- Debmat Surfacing Ltd
- Diamond Glass and Windows Ltd
- Harrison Lightning Protection & Ea...
- Hutton Mechanical & Electrical Ser...
- Magic Man Ltd
- McKay Flooring Ltd

Supplier Name	Fail-ADM	Fail-CVA	Fail-LIQCVL	Total
Alkaal Construction Ltd	1			1
ALKEN CONSTRUCTION SERVICES LTD		1		1
C B W Ltd		1		1
Cleaning Operations UK Ltd		1		1
Debmat Surfacing Ltd		1		1
Diamond Glass and Windows Ltd			1	1
Harrison Lightning Protection & Earthing Ltd	1	1		2
Total	6	12	3	21

Web URL	Supplier Name	Linked Supplier	Linked Director	Event Type
Supplier Profile	UTS Engineering Ltd	PIPELINE PROTECTION SERVICES LIMITED	MR Shaun William Sadler	Vstsk
Supplier Profile	UTS Engineering Ltd	SUPERIOR PIPE FITTINGS NORTH EAST LIMITED	MR Shaun William Sadler	Vstsk
Supplier Profile	UTS Engineering Ltd	WARMSEAL MANUFACTURING DIVISION LIMITED	MR Shaun William Sadler	Vstsk
Supplier Profile	Securus Group Limited	ADHENERGY LIMITED	NORTHSIDE COMPANY SECRETARIAL SERVICES LIMITED	Fail-LIQCVL
Supplier Profile	Securus Group Limited	AESTHETIC AND COSMETIC SURGERY LIMITED	NORTHSIDE COMPANY SECRETARIAL SERVICES LIMITED	Fail-ADM
Supplier Profile	Securus Group Limited	AIS SECURUS LTD	KANGA 2020 LIMITED	Fail-ADM
Supplier Profile	Securus Group Limited	ALEX ALBON RACING LIMITED	NORTHSIDE COMPANY SECRETARIAL SERVICES LIMITED	Vstsk

Financial Health

Navigate to the tab Financial Health within the Analytics app as shown below.



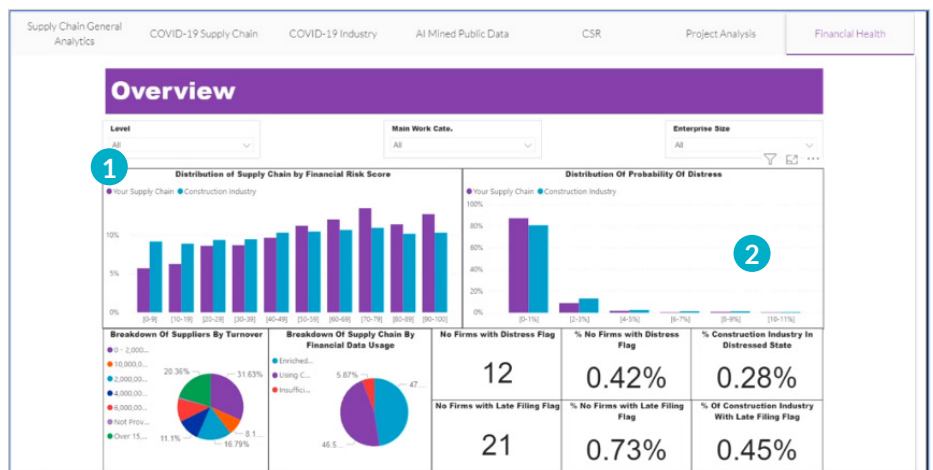
There are a few terms to familiarise yourself within this section:

- 1. Risk Score:** Segmentation to help you focus your efforts on the areas of your business that are most critical. A rating of 1 to 100 corresponds to the highest risk and a rating of 1 the lowest.
- 2. Probability of Distress:** Is the probability that a Distress Event will occur within one year or within three years, expressed as a percentage. A Distress Event could be a failure, reconstruction, or some other event indicative of acute financial distress.
- 3. Cash at Risk:** This uses the health score combined with the committed spend with a supplier to arrive at the impact that any event would have. High spend and high-risk results in a higher cash at risk number. For this to work, details of spend need to be uploaded.

Overview

The first tab will show an overview of the supply chain and distribution of the risk scores and probability of distress.

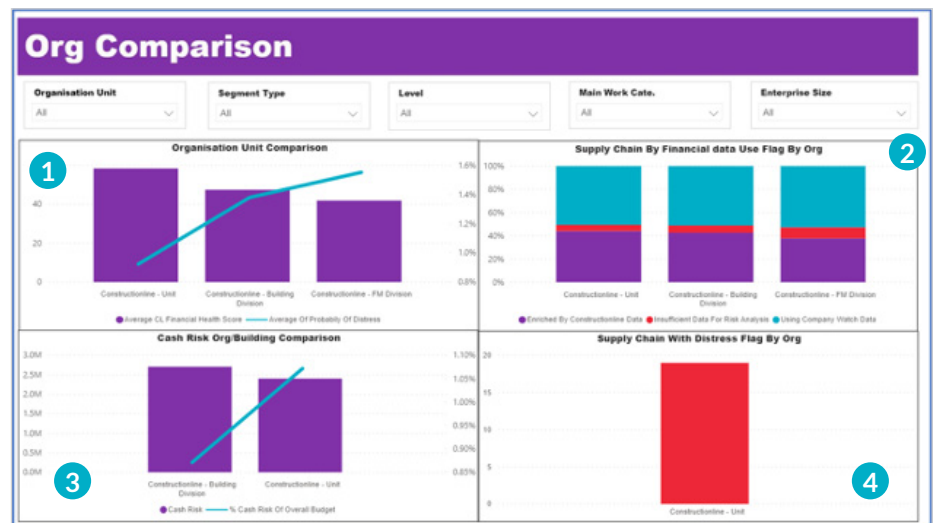
1. The top left-hand side is the distribution of risk score on the supply chain compared to the industry.
2. On the right we show the probability of distress, on here low is good, higher is of more significant concern.



Org Comparison

This page has four sections:

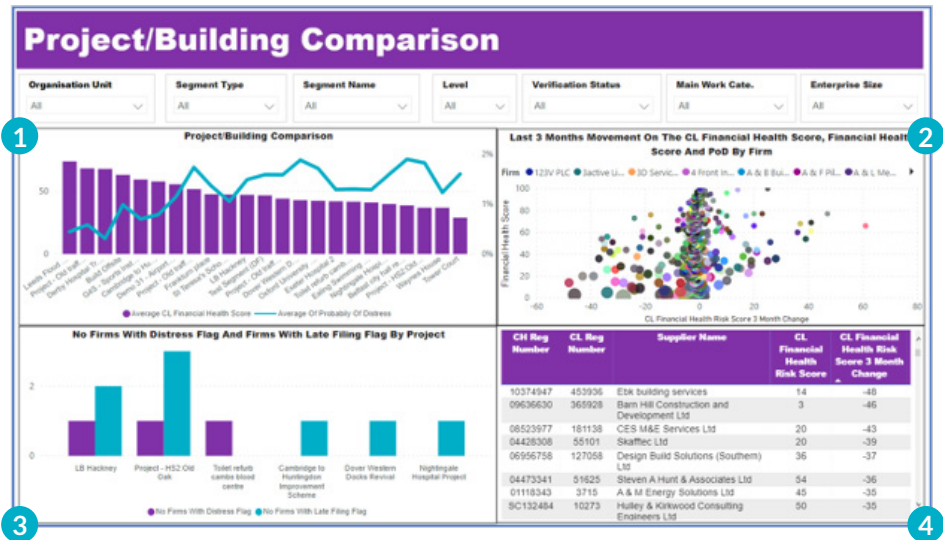
- 1. Top left:** shows the cross-unit comparison of health and probability of distress.
- 2. Top right:** shows where the data comes from, i.e. Construction line, company watch or both.
- 3. Bottom left:** Shows the cash at risk; this is the overvalue x the higher-risk companies. Large order value with high-risk suppliers will show greater risk. This will be further explained in risk radar – cash at risk.
- 4. Bottom right:** is those units with a distress flag.



Project / Building Comparison

This page compares projects, and this will allow you to look across your projects and understand which need the most attention. This has four sections:

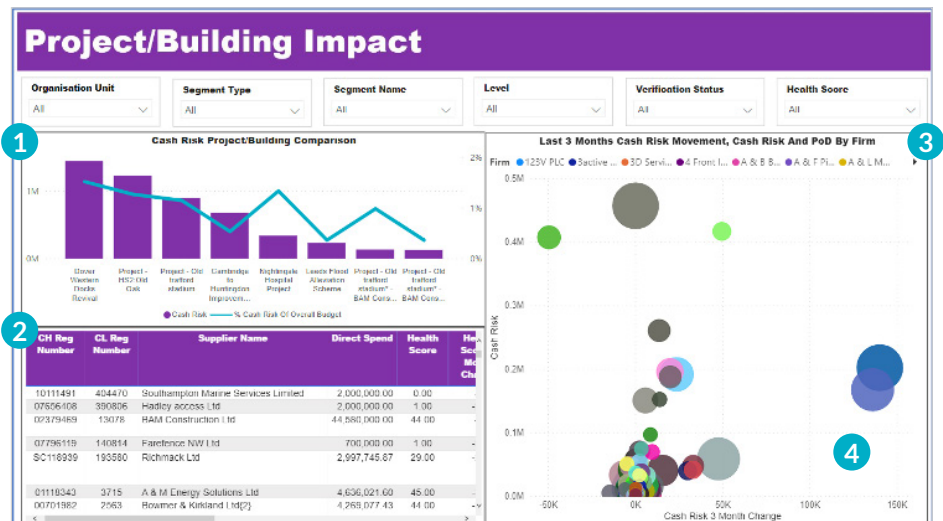
- 1. Top left:** shows the cross-project comparison of health and probability of distress.
- 2. Top right:** shows financial score against the movement in the score. This will be further explained for “Risk Radar – Financial Score”.
- 3. Bottom left:** This shows distress and late filing by the project.
- 4. Bottom right:** bottom right shows the detail of the suppliers their risk score and three months of change.



Project / Building Impact

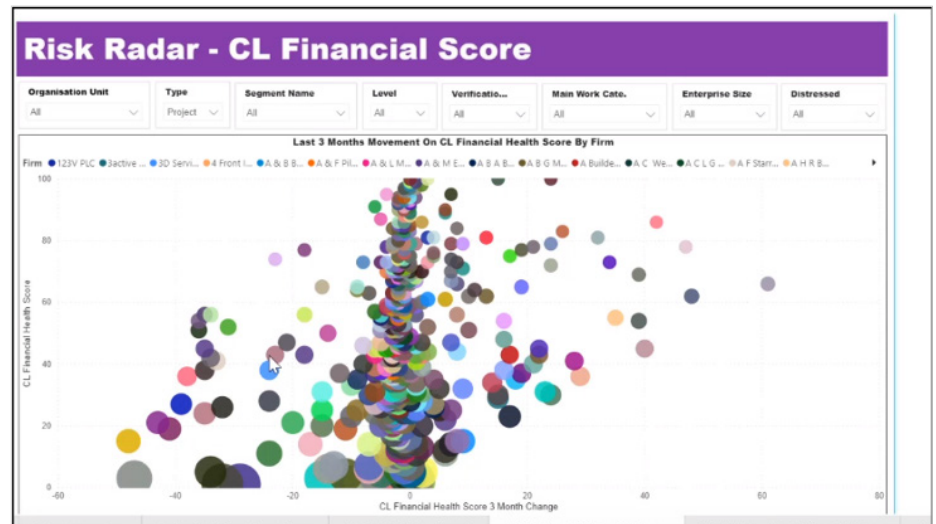
This page shows the cash at risk impact and movement of suppliers.

- 1. Top left:** Shows the cash at risk for individual projects.
- 2. Bottom left:** Updated list of suppliers based on the above chart.
- 3. Right:** This shows the detail of the cash at risk (vertical axis) along with the change in cash at risk (horizontal axis). In this view, the high change on the right is the areas that need to be looked at.



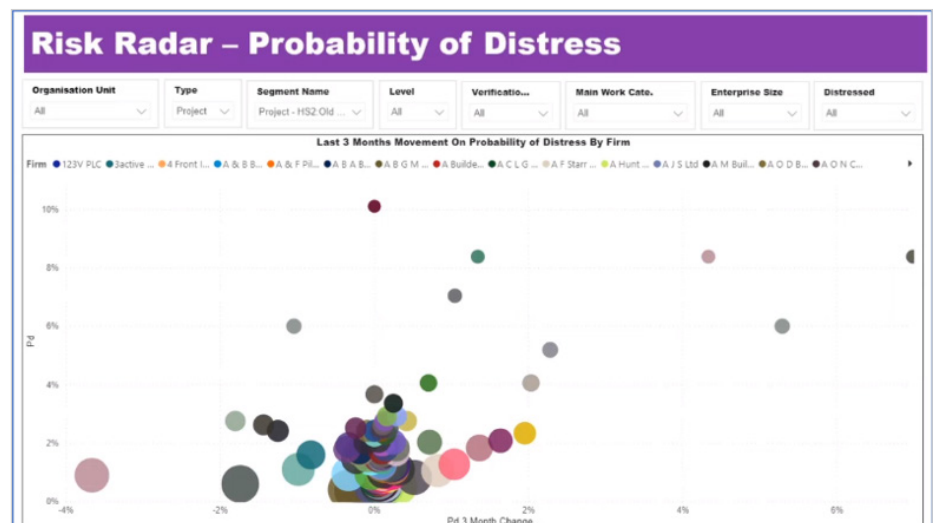
Risk Radar – Financial Score

1. On the vertical axis, we have financial health under 25 is seen as being at risk.
2. On the horizontal axis, we have movement. This is where we are looking at those that are those that have had a negative movement in the last three months, on the left.
3. The bottom left quadrant is where we identify the concern.



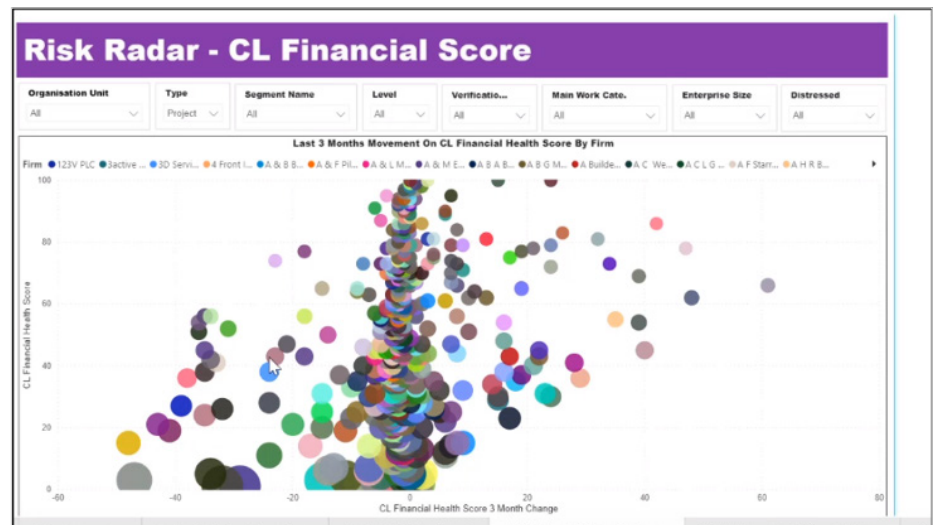
Risk Radar – Probability of Distress

This tab is the probability of distress (vertical axis) against the movement in the probability of distress (horizontal axis). The quadrant to keep an eye on here is the high probability and high change. See below.



Risk Radar – Cash at Risk

This is tab is the cash at risk (vertical axis) against the movement in cash at risk (horizontal axis). The quadrants to keep an eye on here are the high movement shown on the right-hand side of the radar.



Risk Analytics – Available through the Supplier’s Profile

The Risk Analytics tab can be found on an individual supplier’s profile, as highlighted in the image below. This can be accessed by finding a supplier either through the “Find Supplier” or through the “Supply Chain” applications on the left hand navigation.

Financial Risk Model

The first tab is for financial risk.

We take information from Company Watch and enrich it with data from Constructionline, we have found that we have a better likelihood of predicting financial distress. There are a couple of reasons for this:

1. We have full financial accounts irrespective of size, unlike data sources that rely on publicly held information.
2. Often suppliers will submit their accounts to us first as they need this to get their Constructionline verification status.

The image shows a supplier profile for Richmack Ltd. The "Risk Analytics" tab is selected. The "Financial Risk Model" section is highlighted, showing data enriched by Constructionline Data. The data is presented in a table format with various risk indicators.

Supplier Name	Formed Year	Company House Number	Company House Status	Distress Flag	Late Filing Flag
Richmack Ltd	1989	SC118939	Live	0	1

CL Financial Health Score: 100 24	CL Financial Health Score: 100 - Last 3 Months -35	No Of Unsatisfied County Court Judgments (Blank)	1 Year Probability Of Distress 1.83%	1 Year Probability Of Distress - 3 Months Movement 1.36%
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One of the trends to look for is the movement on the probability of distress. See the above box on the right side. History of movement is also shown on the next tab, see below.

Risk Score History



Further tabs then show details of the filing history, any CCJs, Payment performance issues, HSE and EA issues. Although these can be checked against an individual supplier, not all suppliers will have an issue so it would make sense to view these features through the Analytics App, as this is where this information can be shown by exception, i.e. only those with an HSE issue.

