15 - 16 November, Wembley Stadium, UK

# Reducing Risk and Enhancing Collaboration with Integrated EWN Processes

Project Controls EXPO London,UK

INEIGHT

2022

# INTRODUCTION

Jeff Quantrill
Head of Account Management
EMEA

Jordan Cannon
EMEA Presales Manager

## INEIGHT

# Who we are

- 30yr heritage, starting with the Hard Dollar estimating tool expanded to a complete platform
- Owned by one of the world's largest construction companies

# How are we different?

- Majority of our leaders are not "IT", they're engineers, PMs, estimators and project controllers.

# UK Market and strategy

- Discussed the UK market with various stakeholders including existing and potential clients
- Single most requested item…

# NEC Contract support!

## DIGITISATION VS DIGITALISATION

# Our Approach…

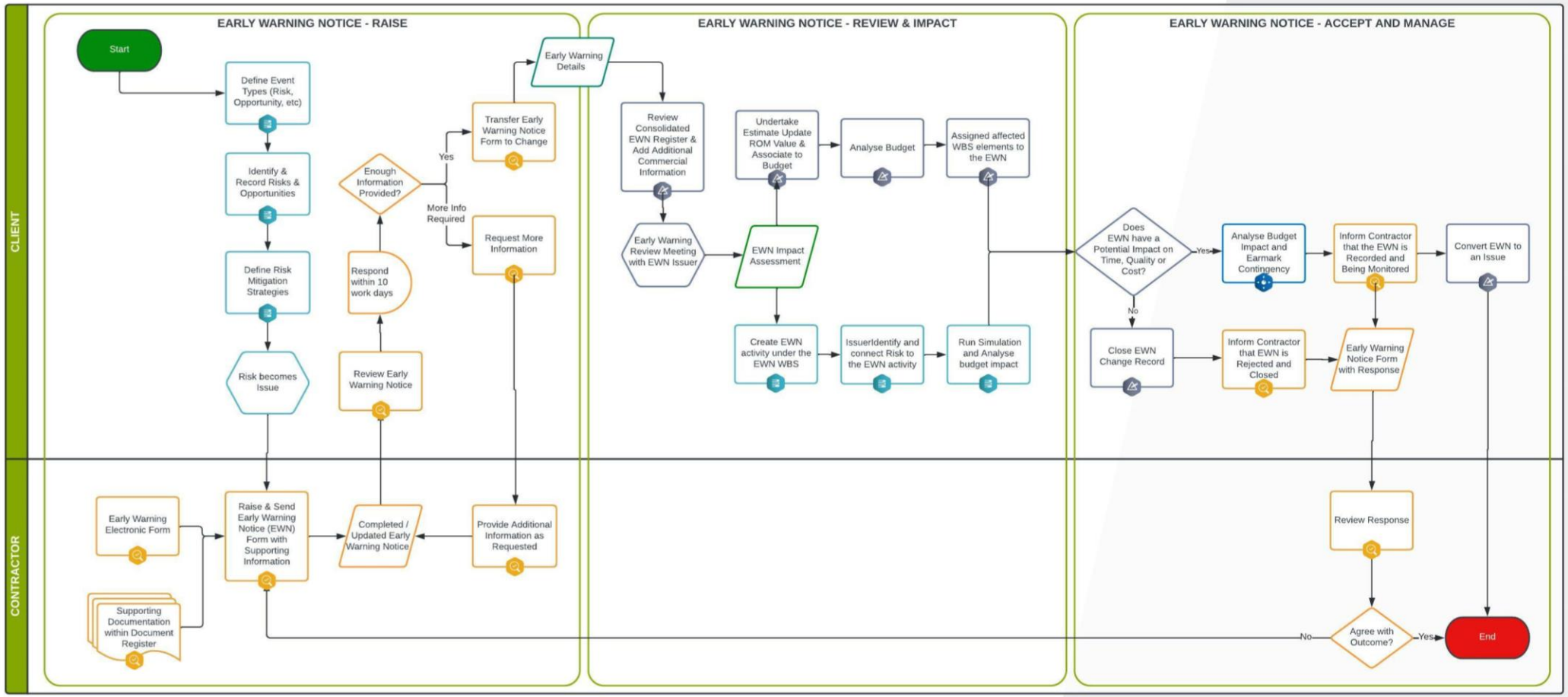
We think about processes holistically, our flexible platform allows us to digitalise business, not just digitize existing forms and flows

# What does this mean?

The key NEC processes of EWN and CE are so much more than forms, spreadsheets and a set of meetings.

At their heart, and the heart of NEC4 is collaboration, the “Crown Jewel” of NEC.

# EARLY WARNING NOTICE PROCESS FLOW

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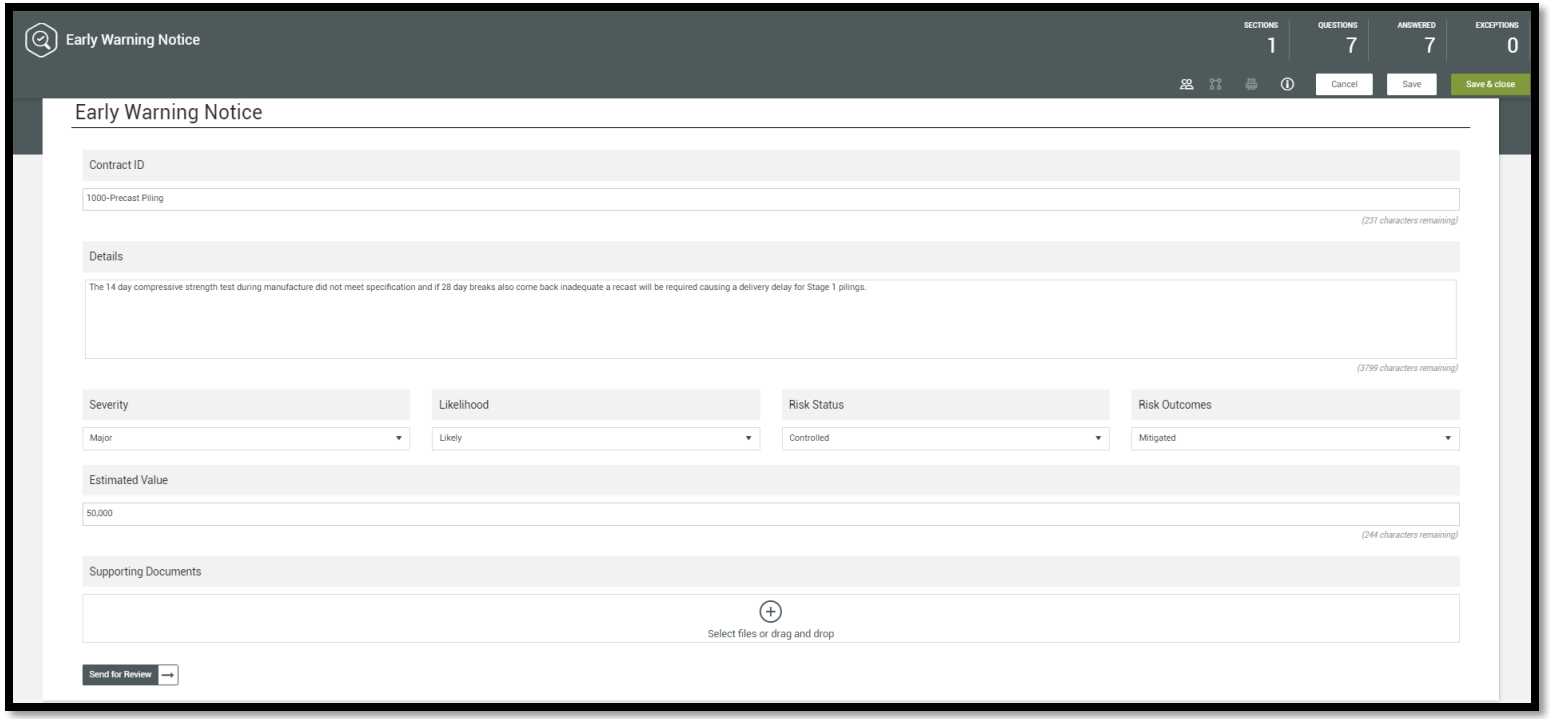
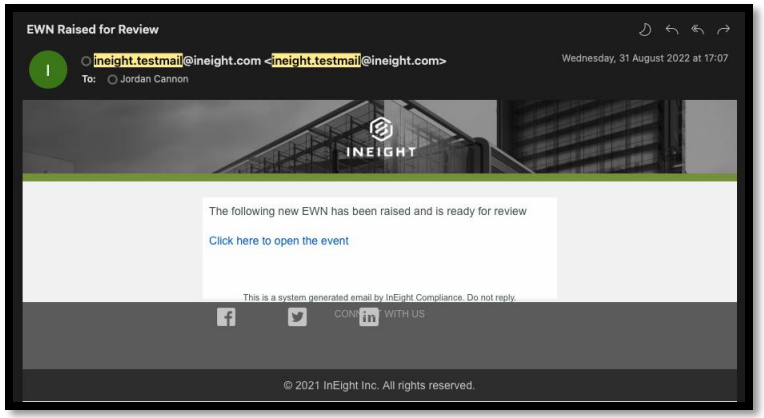
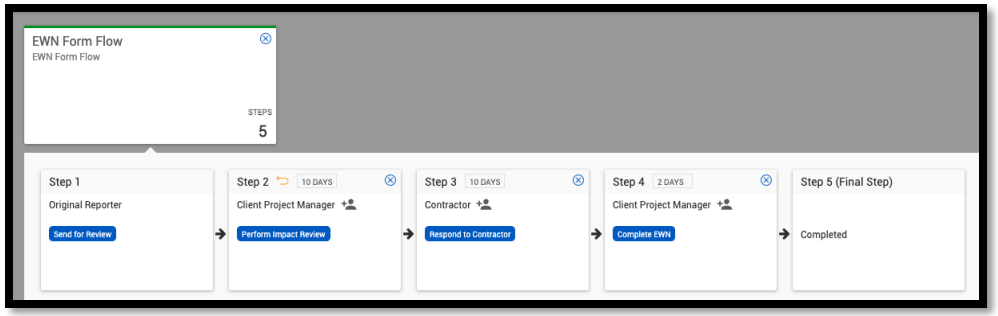
## EWN Raised

- ✓ Simple Web Form
- ✓ Configurable Workflow
- ✓ E-mail to inbox
- ✓ Directly accessible URL

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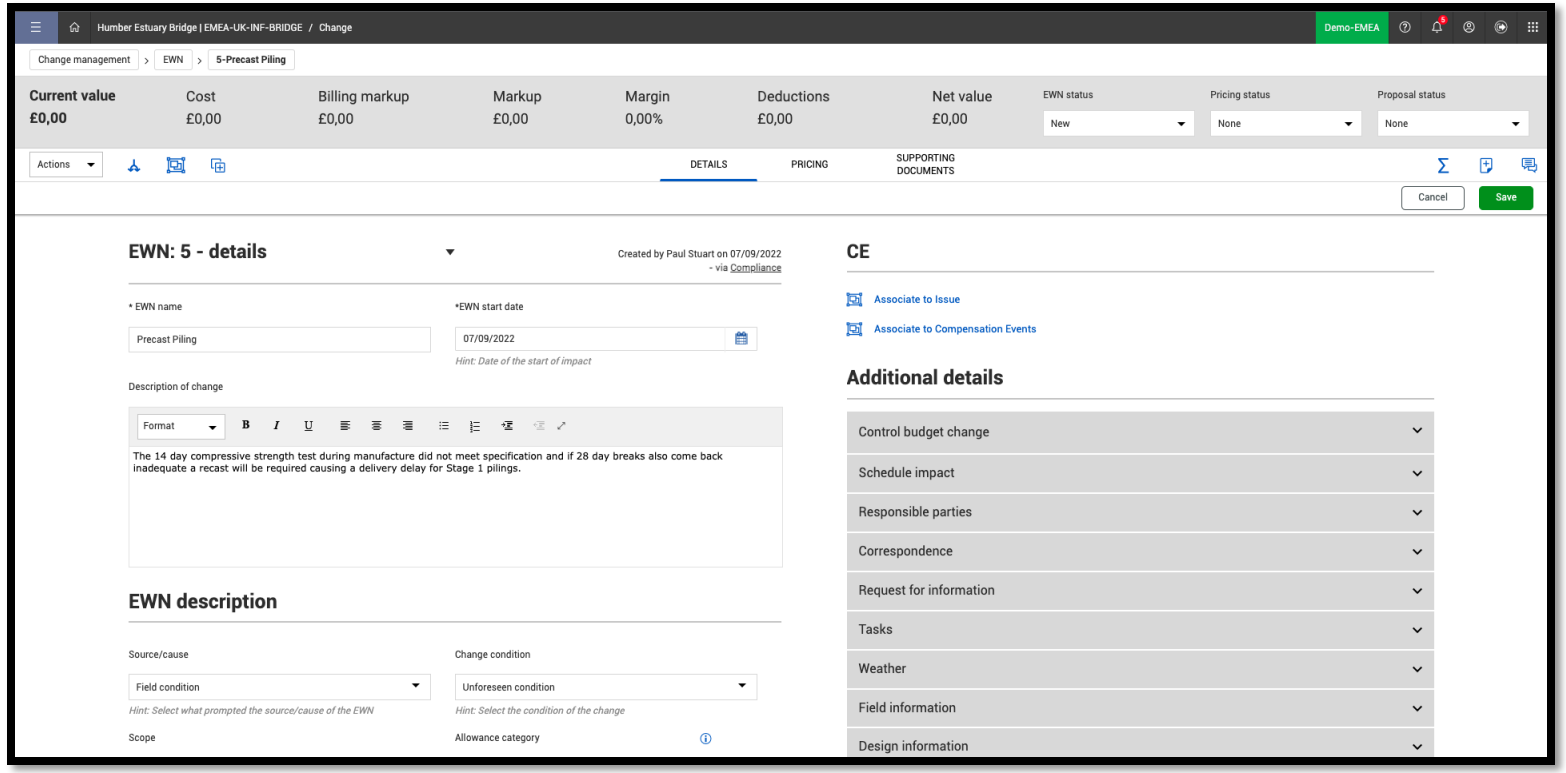
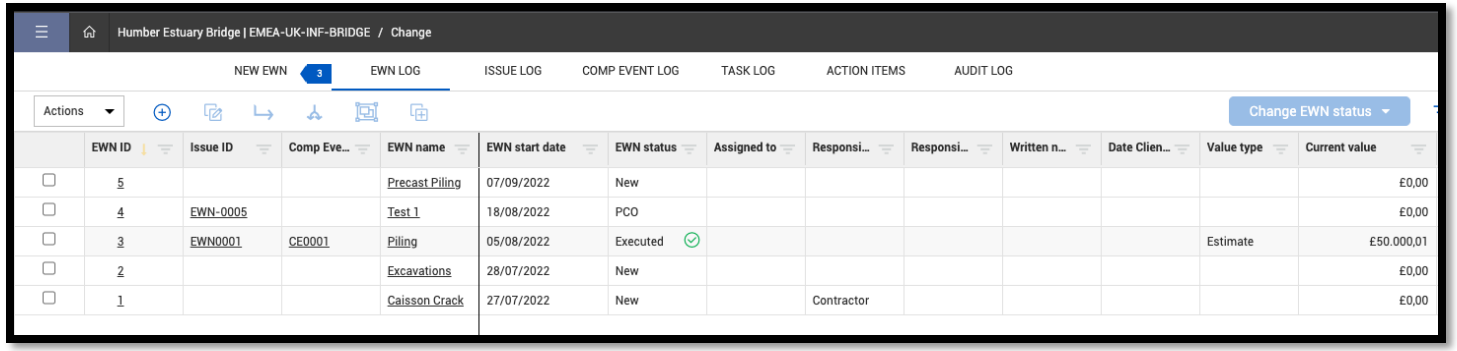
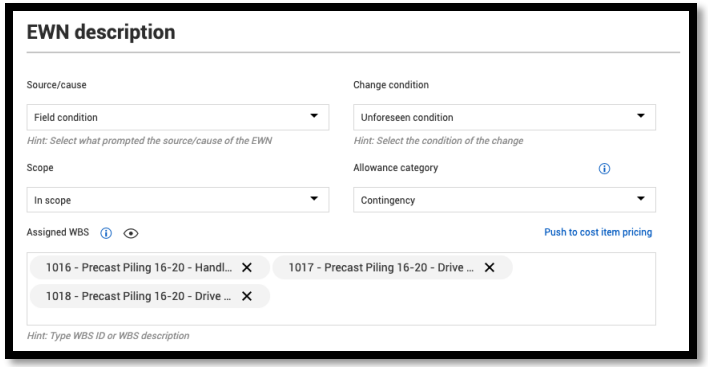
# EWN Raised

- ✓ Full EWN Details
- ✓ Generate/Assign tasks
- ✓ Link to WBS
- ✓ Embedded Register

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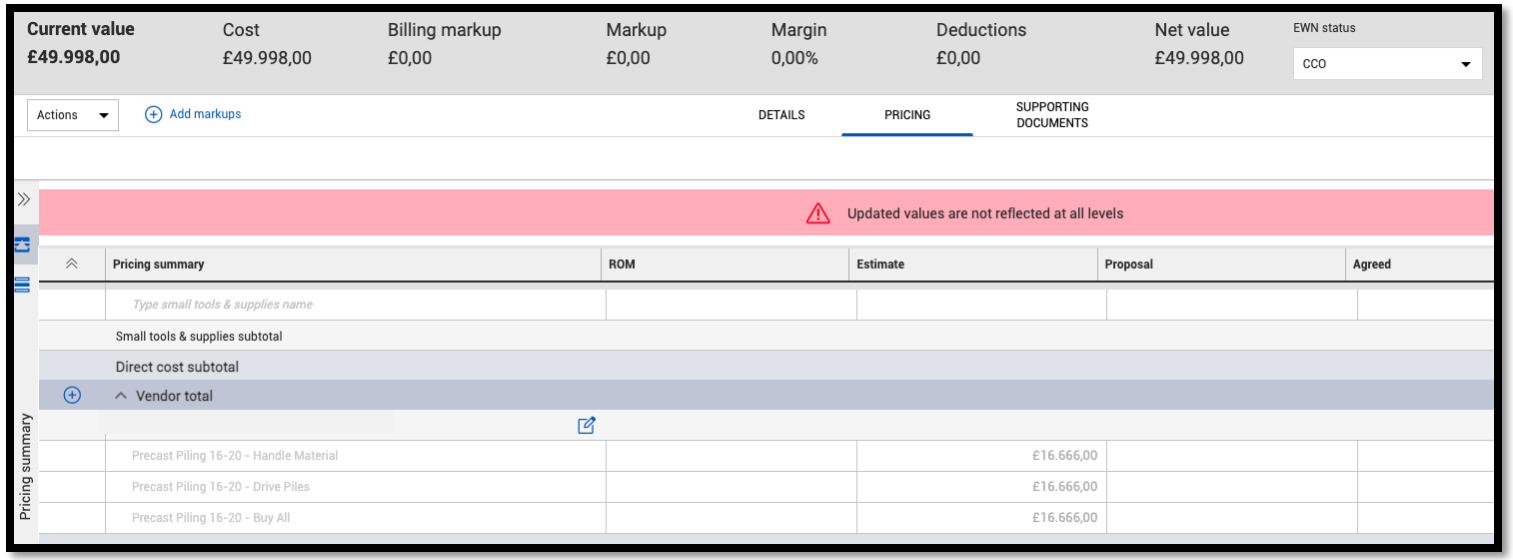
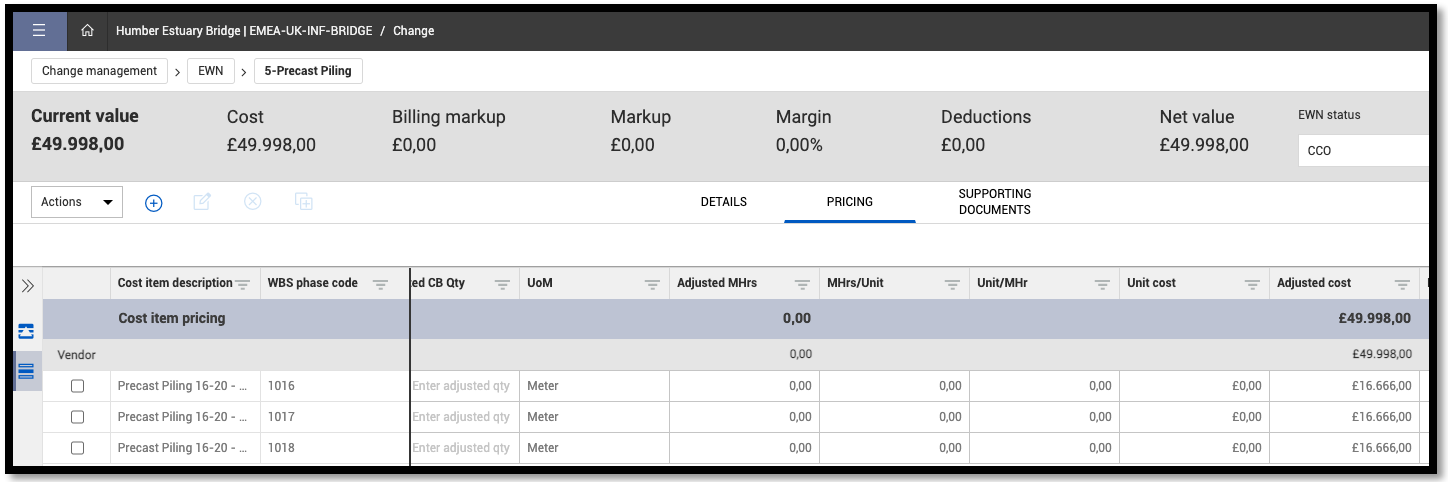
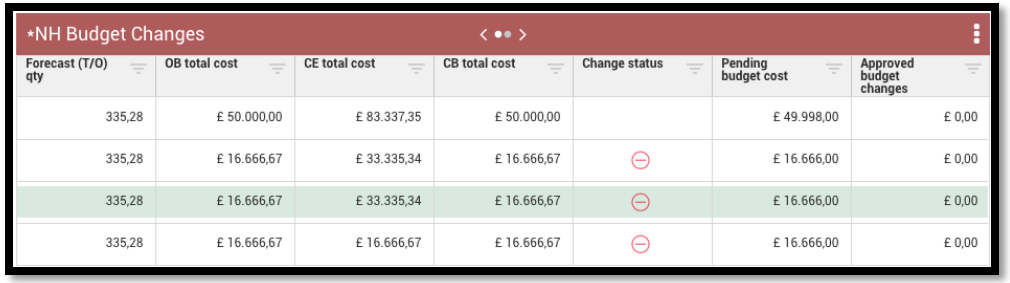
# EWN Review & Impact

- ✓ Estimate “in-place”
- ✓ Early sight of costs
- ✓ Visualise Impact on Budget

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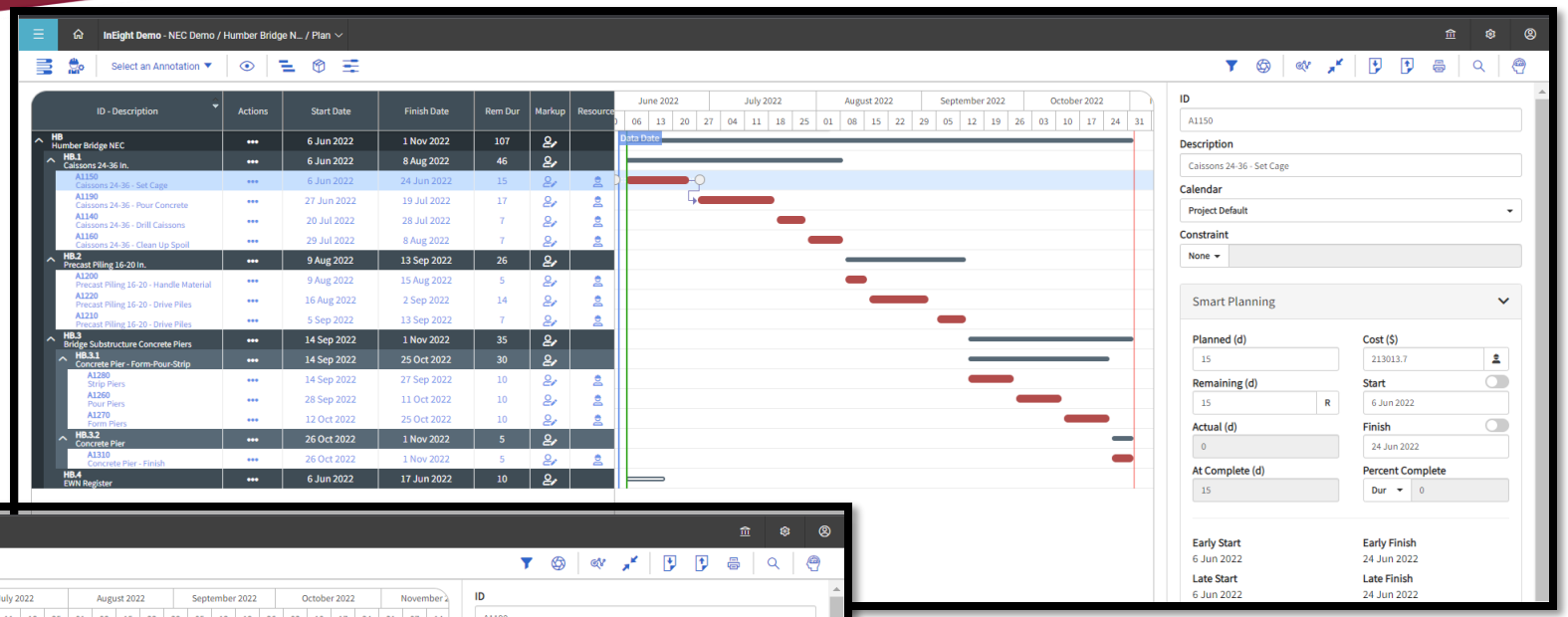
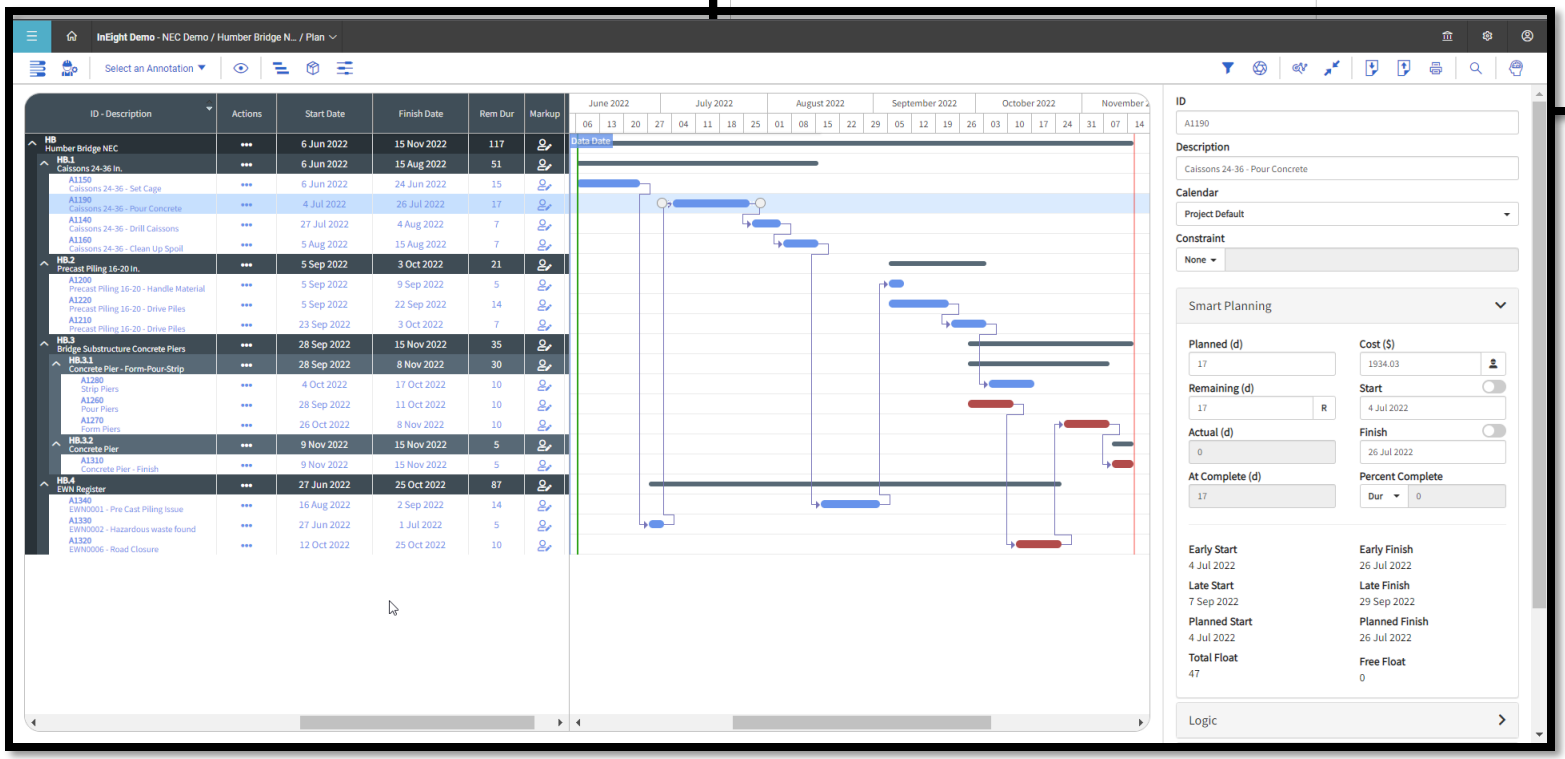
# EWN Review & Impact

- ✓ EWN Schedule events

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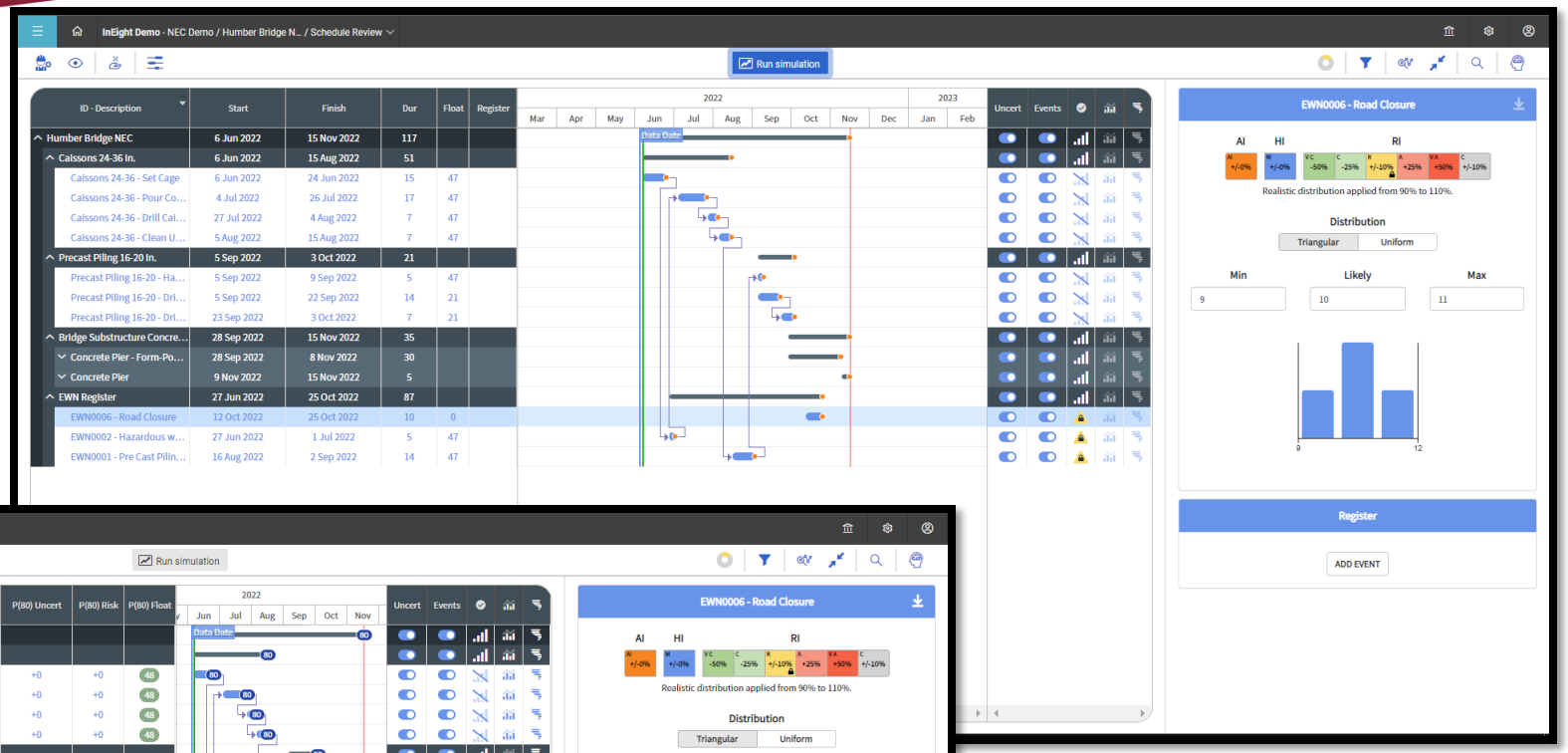
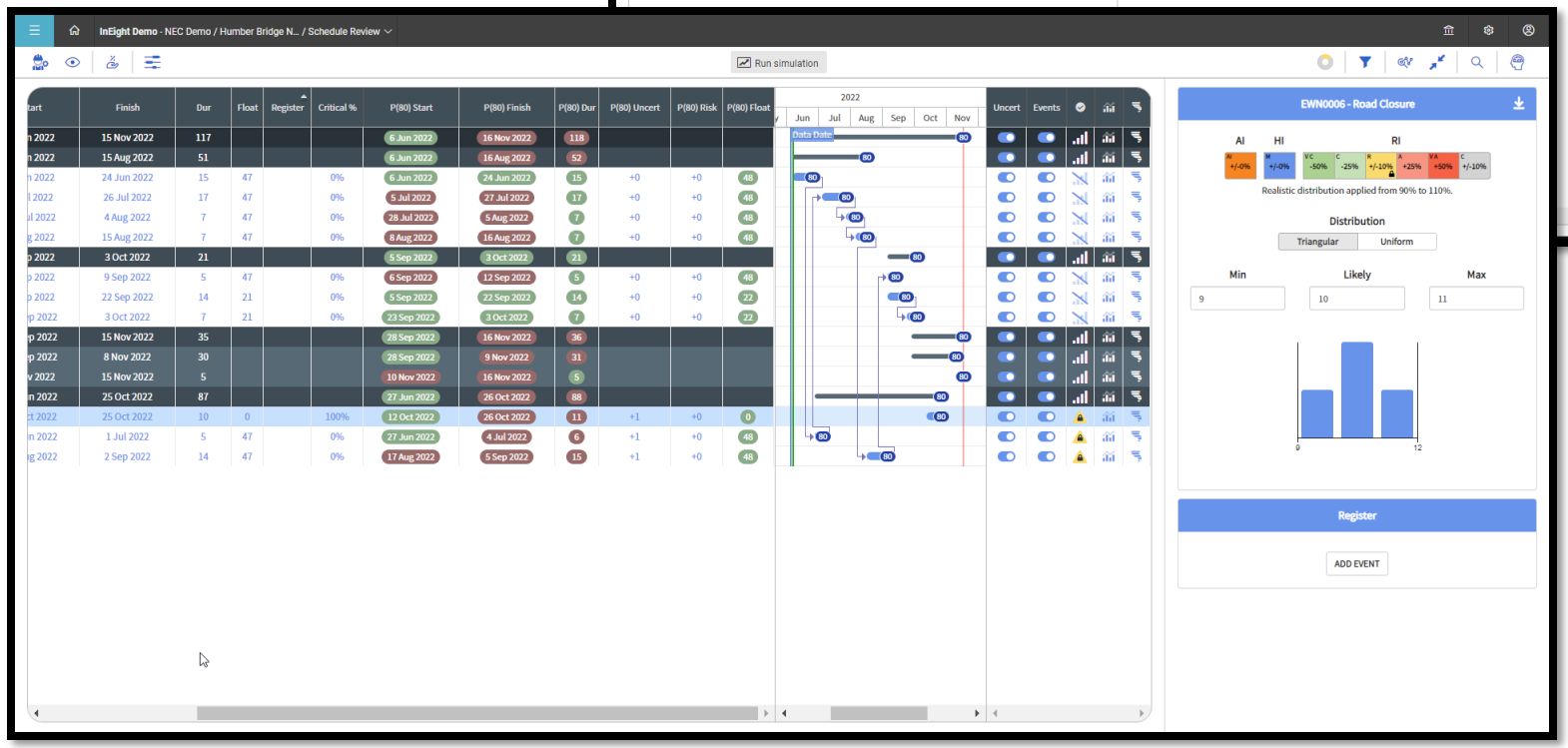
# EWN Review & Impact

- ✓ Configurable P-Values
- ✓ Monte-Carlo Simulations
- ✓ Min, Max, Most Likely Durations

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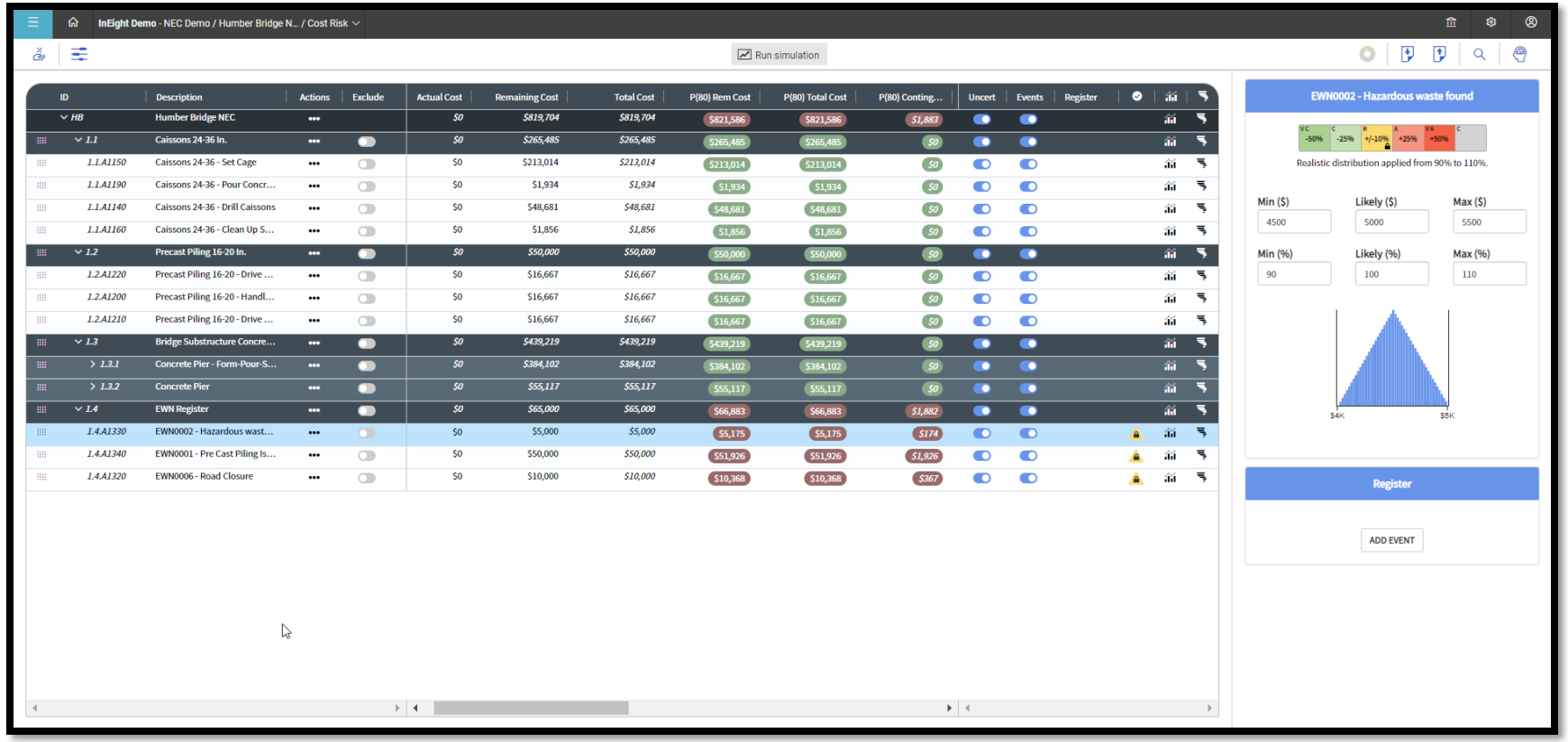
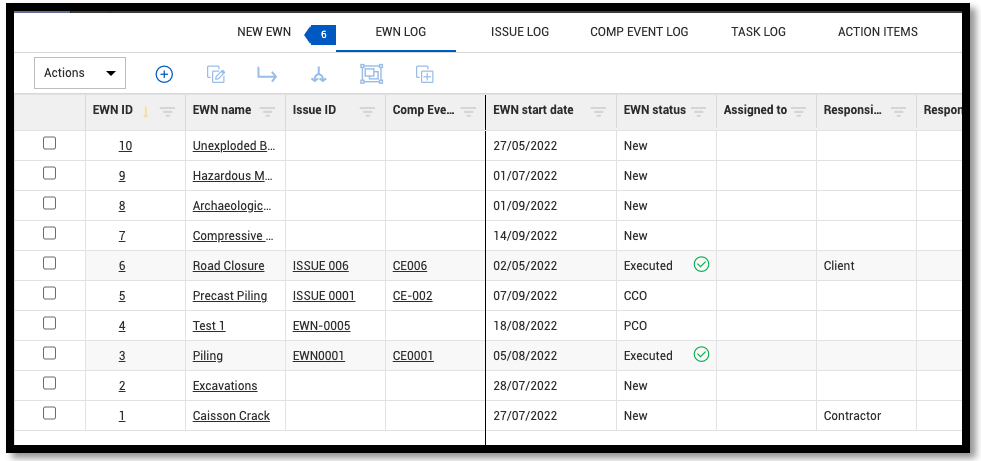
# EWN Cost Review & Impact

✓ Works for Cost too!!

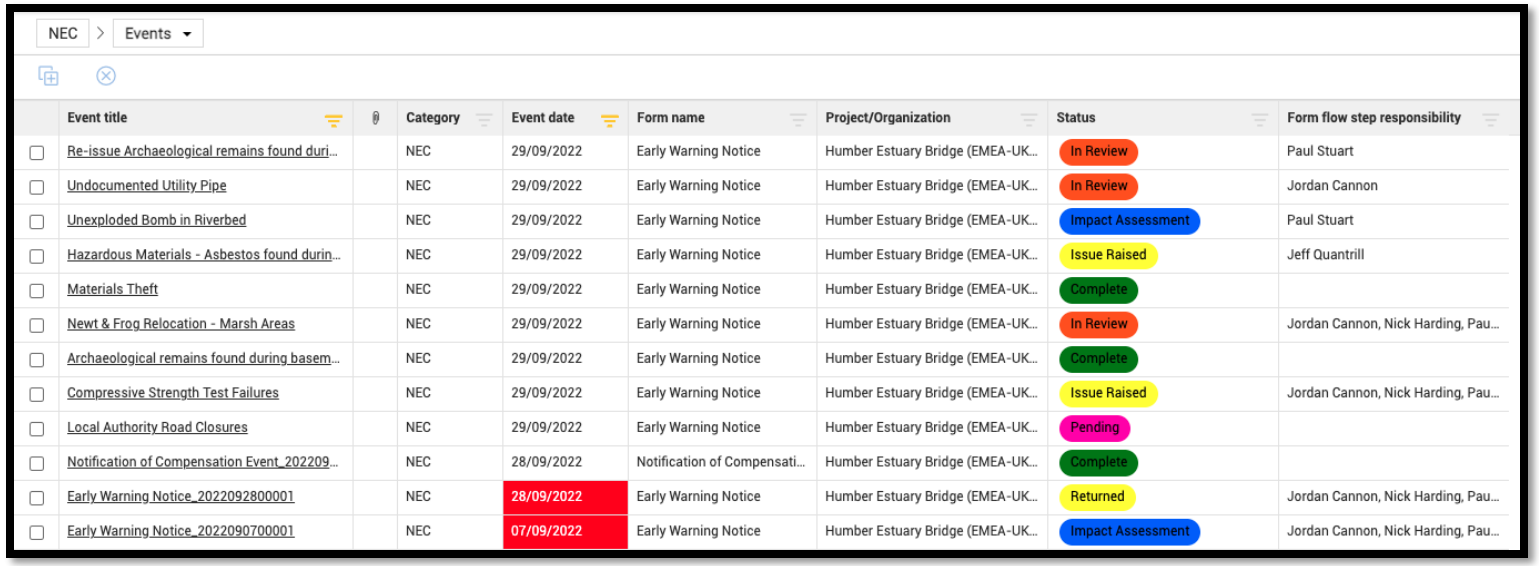


# EWN Accept & Manage

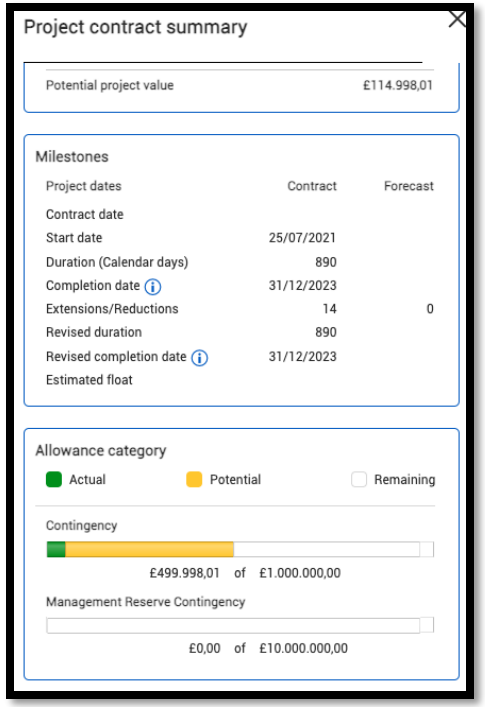
- ✓ See all in process EWN's
- ✓ Ball in Court & Status
- ✓ "At a glance" view of contract & contingency (Project and Management Reserve)




| | EWN ID | EWN name | Issue ID | Comp Eve... | EWN start date | EWN status | Assigned to | Responsi... | Respon |
|---|---|---|---|---|---|---|---|---|---|
| ☐ | 10 | Unexploded B... | | | 27/05/2022 | New | | | |
| ☐ | 9 | Hazardous M... | | | 01/07/2022 | New | | | |
| ☐ | 8 | Archaeologic... | | | 01/09/2022 | New | | | |
| ☐ | 7 | Compressive ... | | | 14/09/2022 | New | | | |
| ☐ | 6 | Road Closure | ISSUE 006 | CE006 | 02/05/2022 | Executed | | Client | |
| ☐ | 5 | Precast Piling | ISSUE 0001 | CE-002 | 07/09/2022 | CCO | | | |
| ☐ | 4 | Test 1 | EWN-0005 | | 18/08/2022 | PCO | | | |
| ☐ | 3 | Piling | EWN0001 | CE0001 | 05/08/2022 | Executed | | | |
| ☐ | 2 | Excavations | | | 28/07/2022 | New | | | |
| ☐ | 1 | Caisson Crack | | | 27/07/2022 | New | | Contractor | |




| | Event title | | Category | Event date | Form name | Project/Organization | Status | Form flow step responsibility |
|---|---|---|---|---|---|---|---|---|
| ☐ | Re-issue Archaeological remains found duri... | | NEC | 29/09/2022 | Early Warning Notice | Humber Estuary Bridge (EMEA-UK... | In Review | Paul Stuart |
| ☐ | Undocumented Utility Pipe | | NEC | 29/09/2022 | Early Warning Notice | Humber Estuary Bridge (EMEA-UK... | In Review | Jordan Cannon |
| ☐ | Unexploded Bomb in Riverbed | | NEC | 29/09/2022 | Early Warning Notice | Humber Estuary Bridge (EMEA-UK... | Impact Assessment | Paul Stuart |
| ☐ | Hazardous Materials - Asbestos found durin... | | NEC | 29/09/2022 | Early Warning Notice | Humber Estuary Bridge (EMEA-UK... | Issue Raised | Jeff Quantrill |
| ☐ | Materials Theft | | NEC | 29/09/2022 | Early Warning Notice | Humber Estuary Bridge (EMEA-UK... | Complete | |
| ☐ | Newt & Frog Relocation - Marsh Areas | | NEC | 29/09/2022 | Early Warning Notice | Humber Estuary Bridge (EMEA-UK... | In Review | Jordan Cannon, Nick Harding, Pau... |
| ☐ | Archaeological remains found during basem... | | NEC | 29/09/2022 | Early Warning Notice | Humber Estuary Bridge (EMEA-UK... | Complete | |
| ☐ | Compressive Strength Test Failures | | NEC | 29/09/2022 | Early Warning Notice | Humber Estuary Bridge (EMEA-UK... | Issue Raised | Jordan Cannon, Nick Harding, Pau... |
| ☐ | Local Authority Road Closures | | NEC | 29/09/2022 | Early Warning Notice | Humber Estuary Bridge (EMEA-UK... | Pending | |
| ☐ | Notification of Compensation Event_202209... | | NEC | 28/09/2022 | Notification of Compensati... | Humber Estuary Bridge (EMEA-UK... | Complete | |
| ☐ | Early Warning Notice_2022092800001 | | NEC | 28/09/2022 | Early Warning Notice | Humber Estuary Bridge (EMEA-UK... | Returned | Jordan Cannon, Nick Harding, Pau... |
| ☐ | Early Warning Notice_2022090700001 | | NEC | 07/09/2022 | Early Warning Notice | Humber Estuary Bridge (EMEA-UK... | Impact Assessment | Jordan Cannon, Nick Harding, Pau... |

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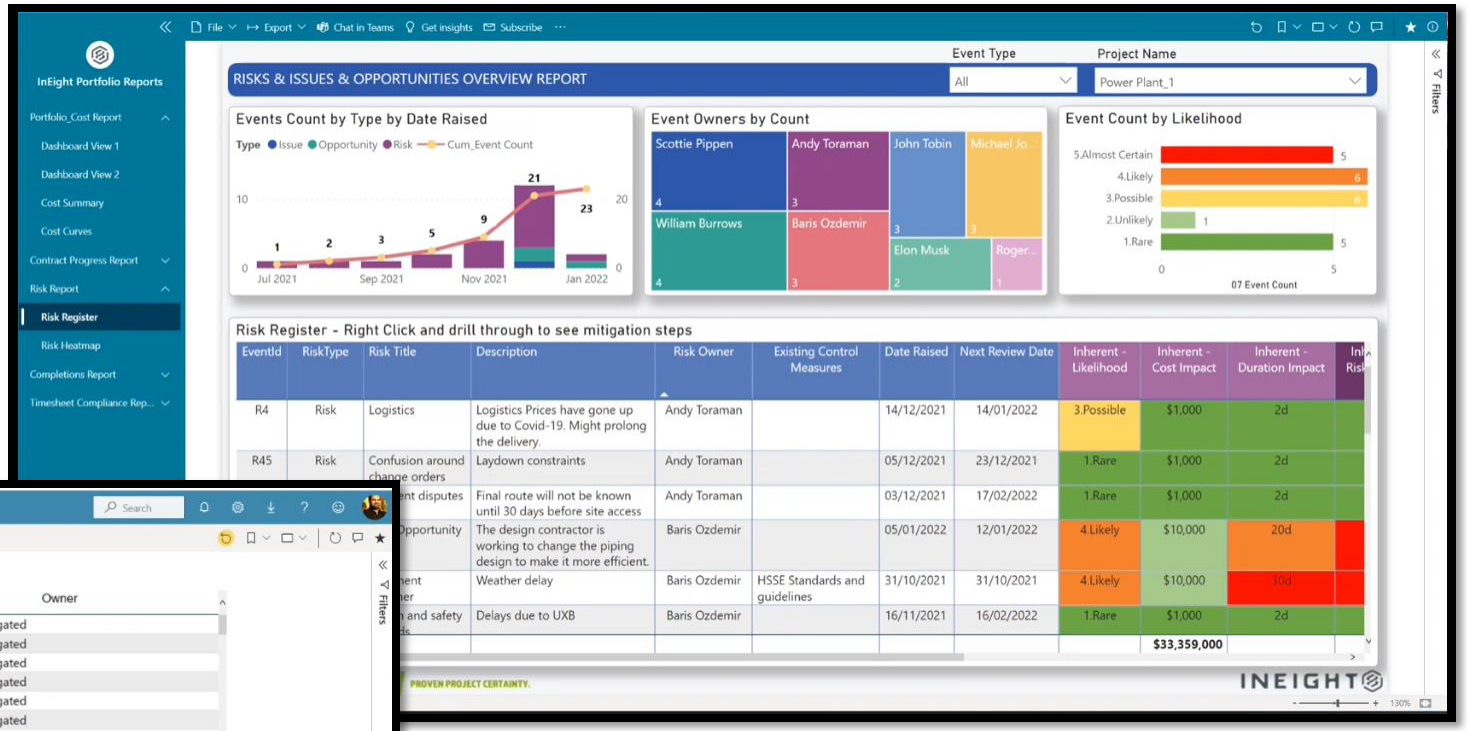
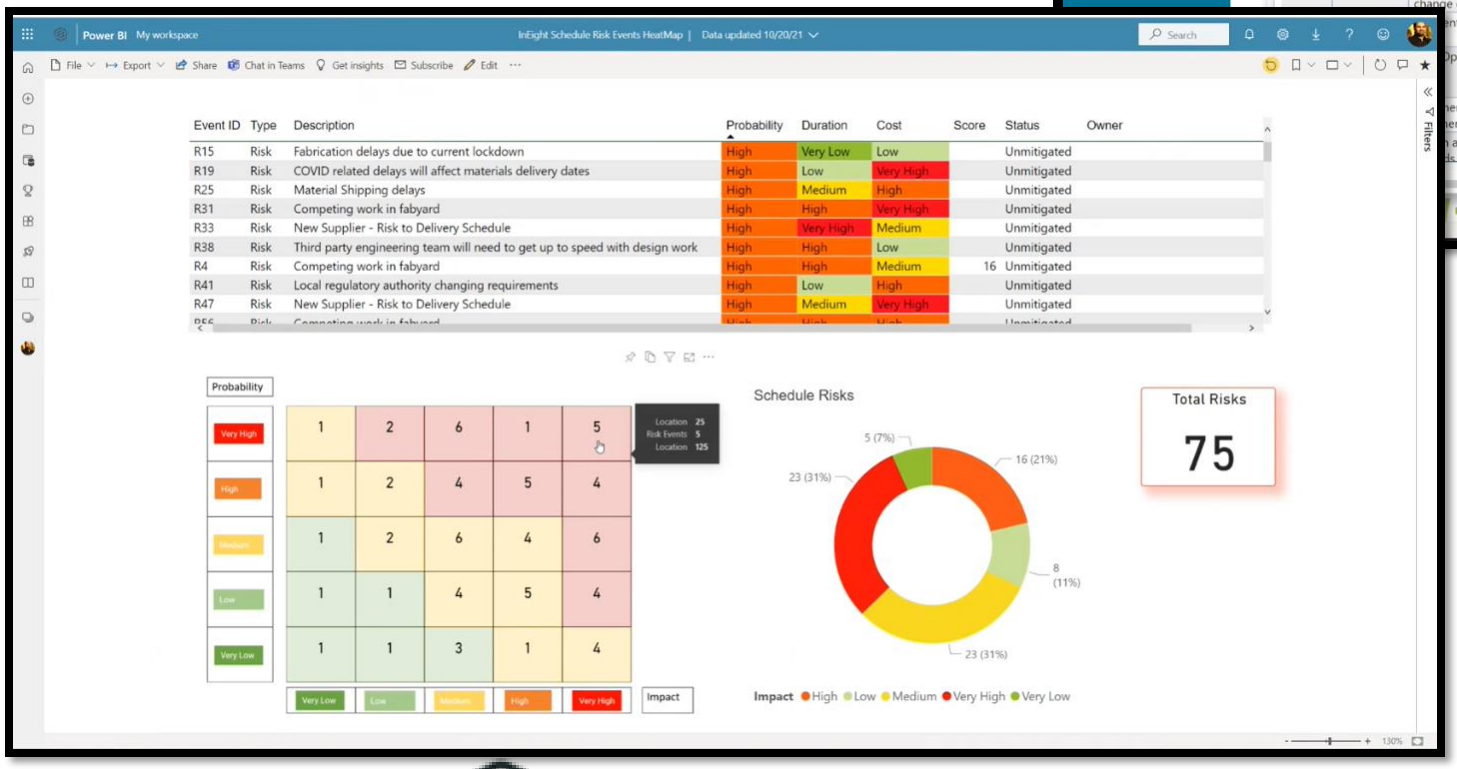
# EWN Accept & Manage

- ✓ PowerBI based dashboards

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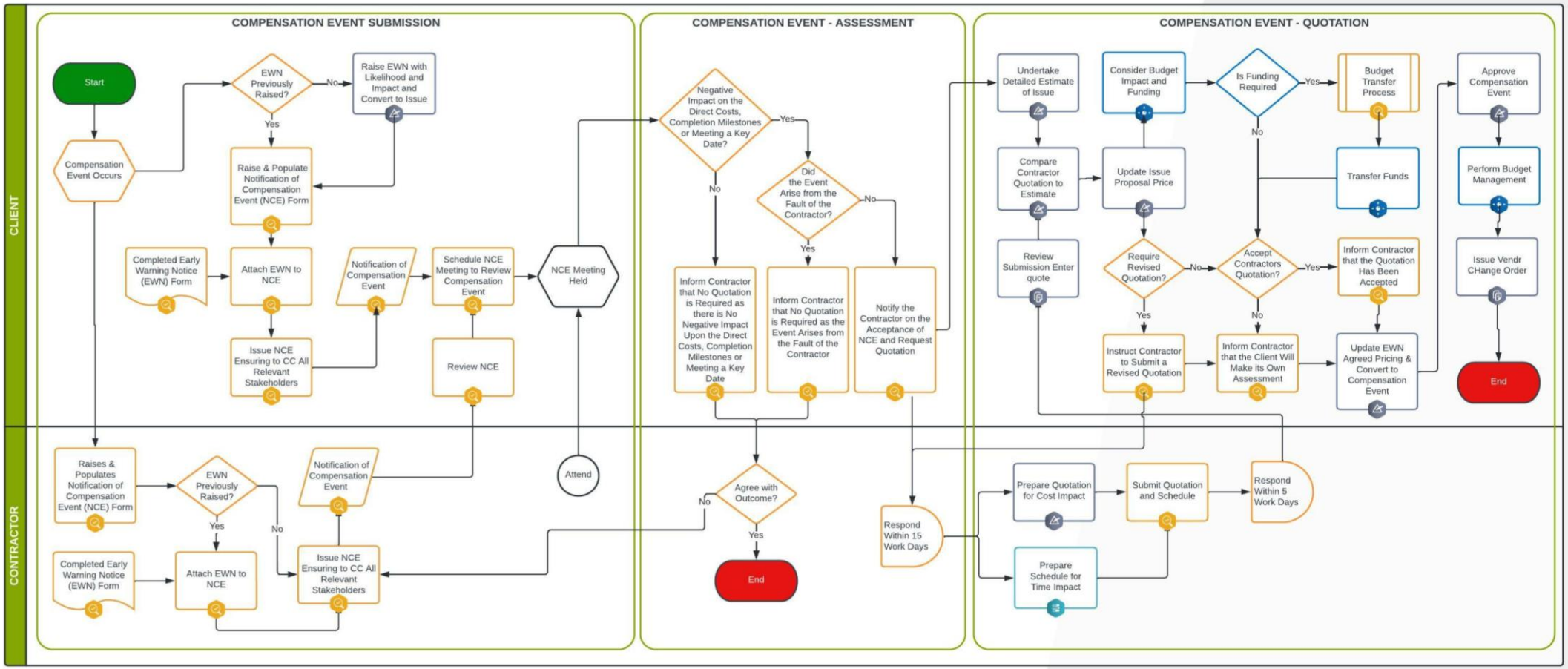
# Compensation Events

# COMPENSATION EVENT PROCESS FLOW




LEGEND Terminator Process Sub Process Data Milestone Action Time Decision

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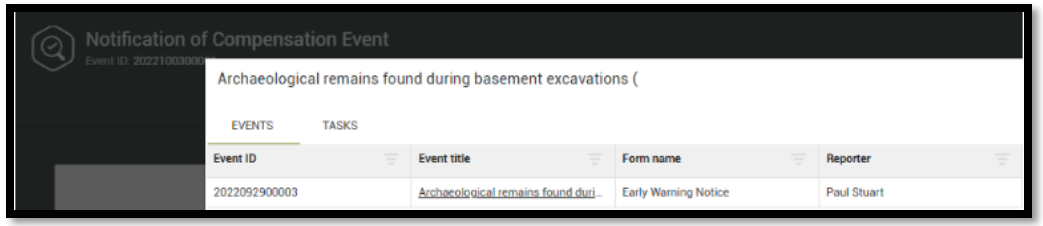
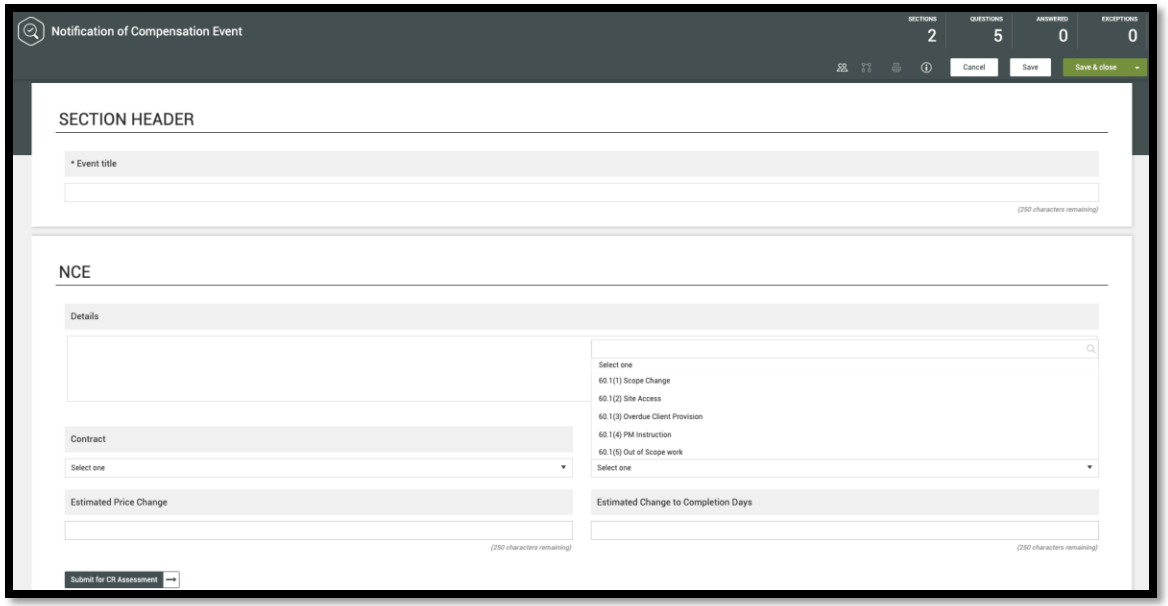
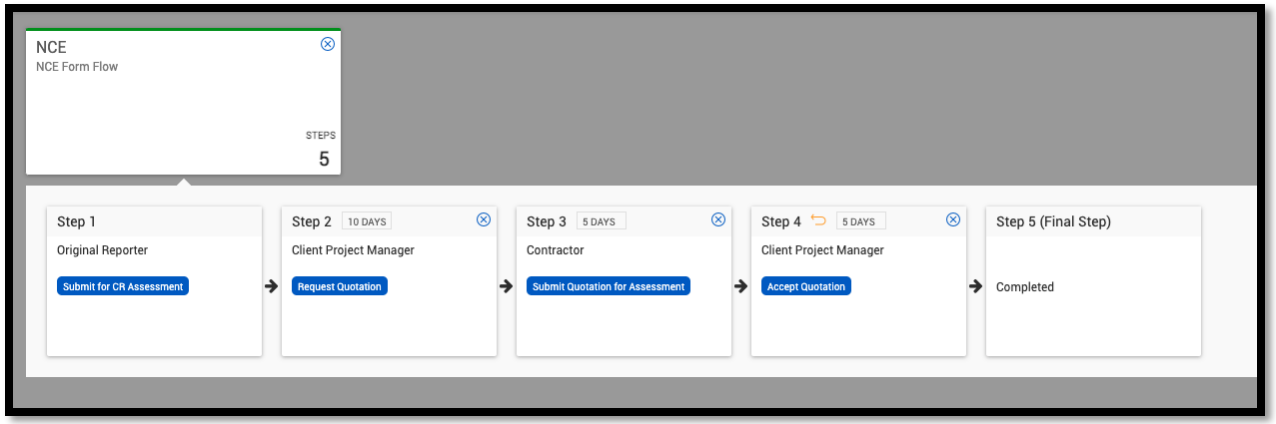
# COMPENSATION EVENT - SUBMISSION

- ✓ Forms & Workflow
- ✓ Links to source EWN(s): Trail History

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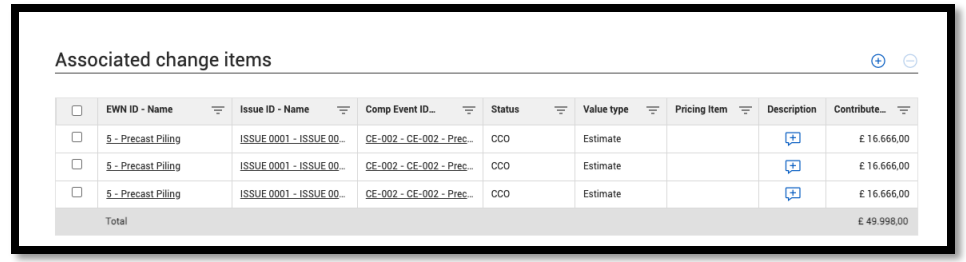
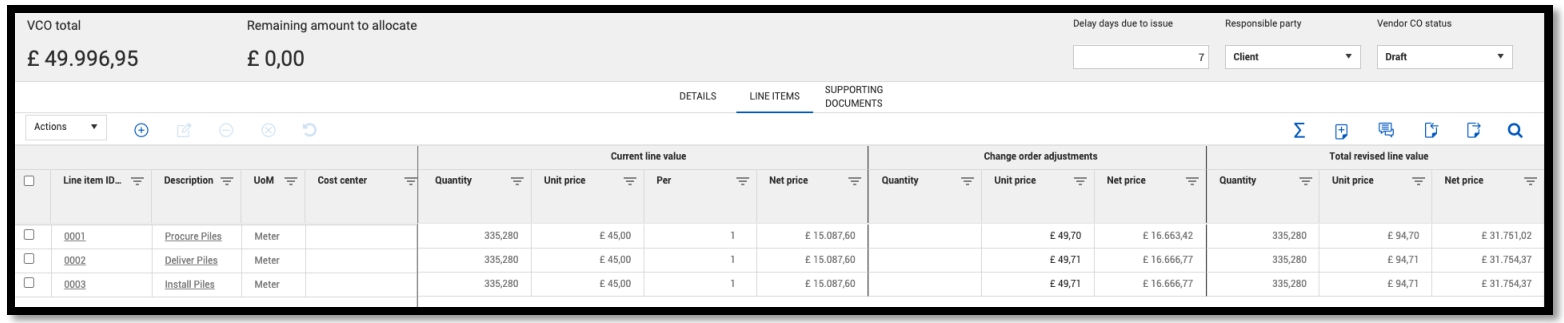
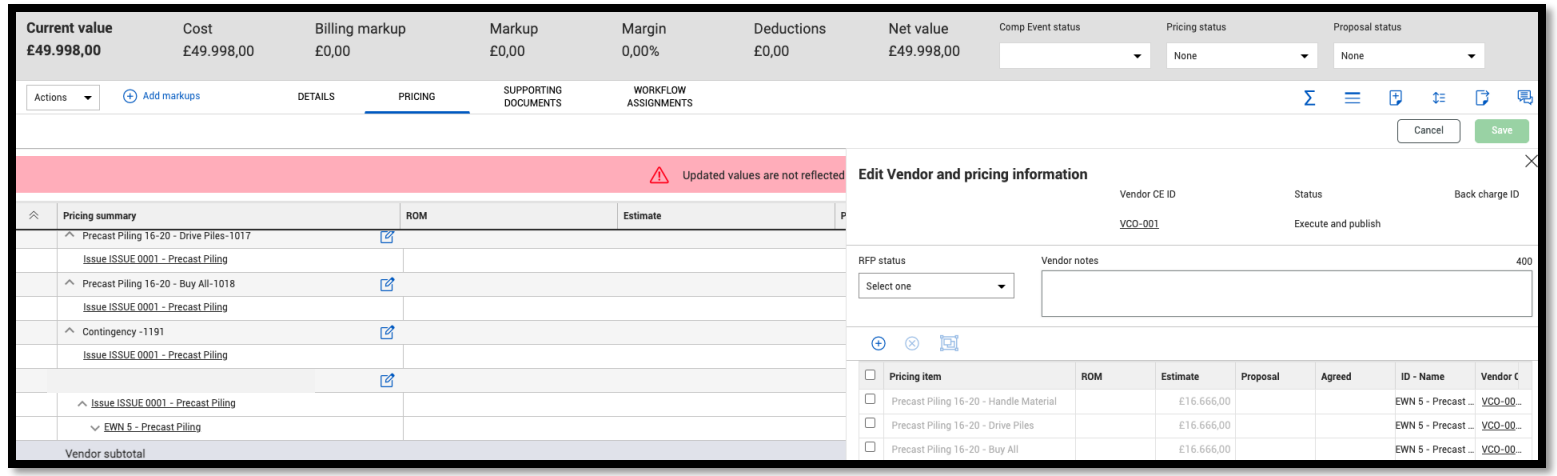



# COMPENSATION EVENT – QUOTATION & SCO

- ✓ Can request formal quotation
- ✓ Initiate Draft Supplier Change Orders

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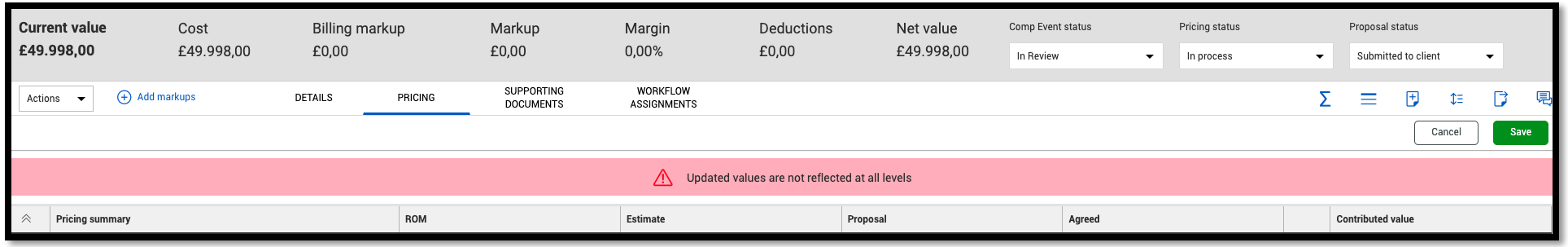
# COMPENSATION EVENT – ASSESSMENT




✓ Complete cost assessment & pricing status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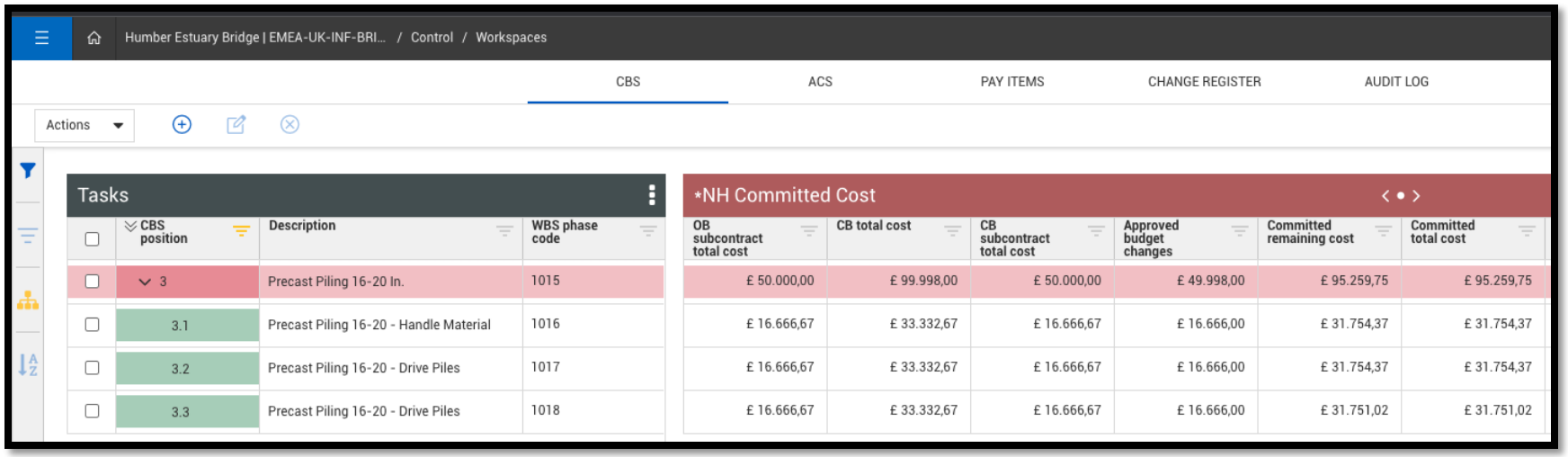
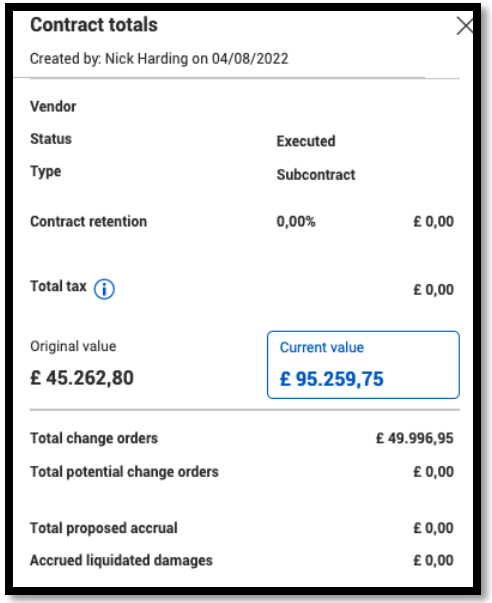
# COMPENSATION EVENT – Revised Budget / Executed Supplier Change Order

- ✓ Updated Budget and Contract Commitment

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## SUMMARY

1. A fully integrated platform for managing the key EWN and CE processes
2. Complete Management and Governance oversight

But, the best bit…

**All of the above has been achieved out of the box, without a single line of code, customisation, or addons**

If we can deliver this for NEC4, what could we deliver for your Business?

# THANK YOU