Houston we Have

AUGMENTED INTELLIGENCE FOR RISK MANAGEMENT

ELIZABETH WHITELOCK, CEO

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" ... offers a unique type of prescriptive analysis, one that tackles the difficult strategic end of the decision spectrum."

GARTNER

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AUSSIE AI TECH + PATENTED

OUR CHANNELS

- DEFENCE
- HEALTHCARE
- INSURANCE
- INVESTMENT
- GOVERNMENT
- FINANCE
- LAW

HOUSTON WE HAVE AI SOFTWARE CAPABLE OF ACCURATE PREDICTIONS

Originally designed for the Defence Intelligence Organisation to solve problems lacking data and influenced by human interpretation. Houston We Have the ability to identify the likelihood and certainty of future outcomes - without ambiguity.

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ARTIFICIAL vs. AUGMENTED INTELLIGENCE

AI aims to create systems that run without humans, whereas Augmented Intelligence aims to create systems that support humans to make, for example, better decisions. Simply, augmented intelligence applications combine human and machine intelligence.

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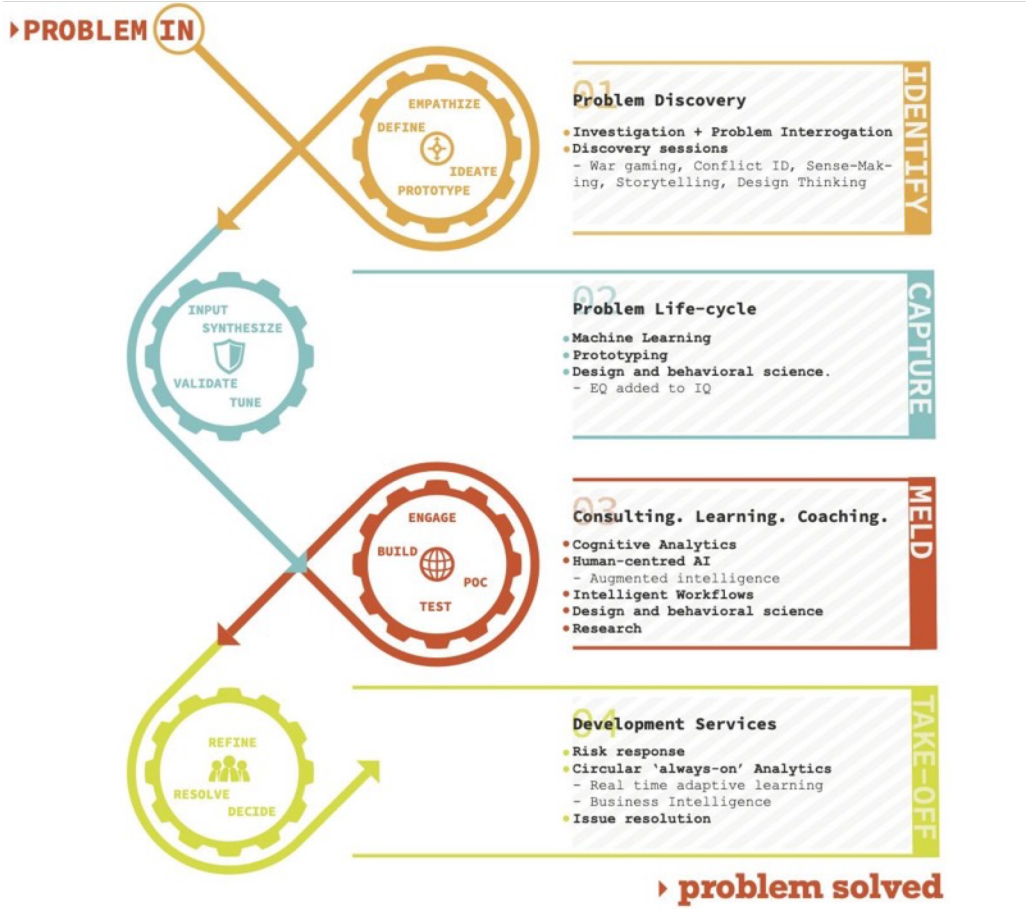
METHODOLOGY

“A value proposition unlike that of any vendor we have ever seen.”

GARTNER, Cool Vendor



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AUGMENTED INTELLIGENCE FOR RISK MANAGERS

SIMPLICITY

Remove the need for a traditional risk register. Integrate with existing systems.

CORRELATION

Models have detailed correlation built into them from the ground up.

ACCURACY & PREDICTABILITY

Largely eradicate ‘finger in the air’ assessments; shining a light on guesswork, heuristics and deep-rooted biases

FORESIGHT

Models show exactly where your risk is EARLY, empowering mitigation in designs, schedules and supply chains.

TRANSPARENCY

Outcomes show the right people the right information at the right time in a way they can understand.

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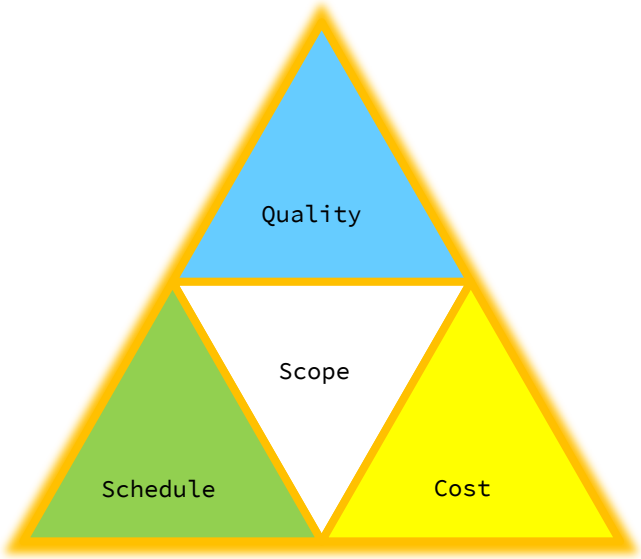
THE ABILITY TO UNDERPIN THE GOLDEN TRIANGLE



ANTI-FIREFIGHTING MEASURES

ASSESSMENT OF SECONDARY CONSEQUENCES

HYPOTHETICAL SCENARIOS (CONTINGENCY PLANNING)

ANTICIPATE THE NEXT FIRE

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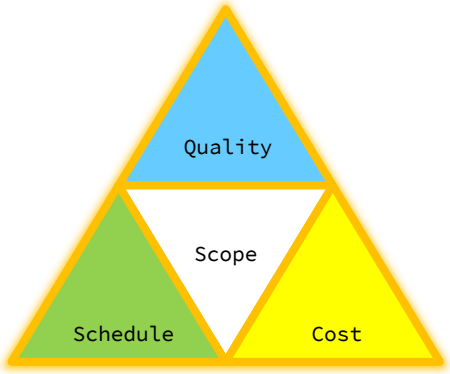

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AN APPROACH TO RISK MANAGEMENT

Augments the conventional risk register by creating a real-time view of

- the key factors impacting the cost, time and quality of the project

Cascading view of risk
- ingestion of information
- immediate update of the risk register and assessment of the impact across the project

Complete traceability, transparency and auditability
- date and time stamped assessments

Supports the workflow

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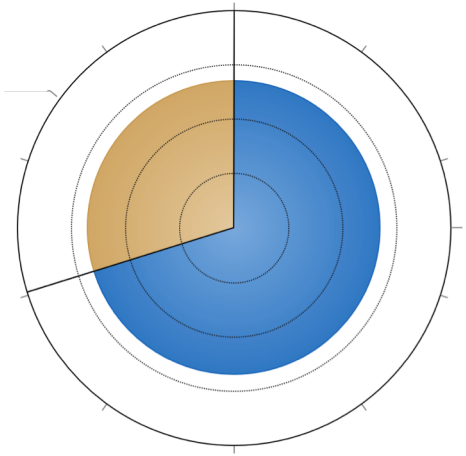
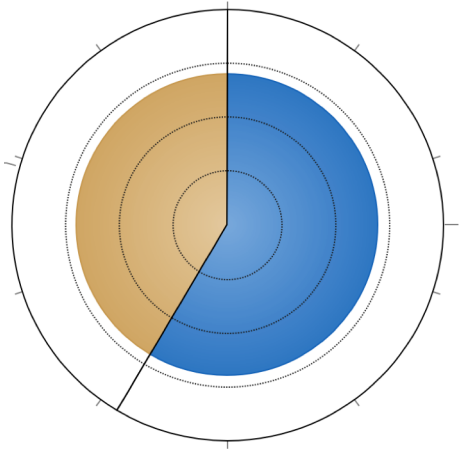
Example Dashboard Results



ON BUDGET

70% likelihood 68% certainty

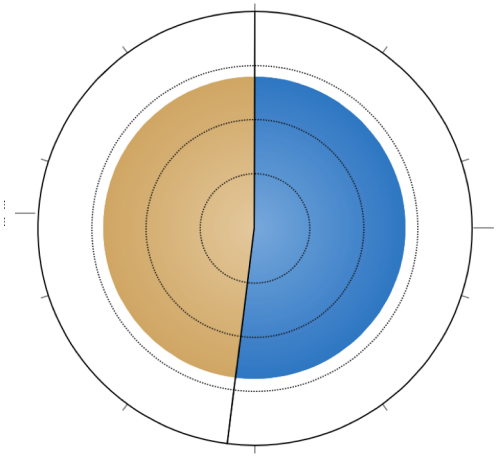
Upgrade of existing assets to meet design requirements
Unidentified asset removal/relocation
Undefined Scope – Signage; Noise Enclosures; Anti-Vandalism
Specialist Materials
Metal Price Increases



ON TIME

59% likelihood 70% certainty

Testing and Commissioning takes longer than expected
Possession Overruns
Discovery of Archaeology
Interface between contractors
Adverse Weather Conditions



WITH QUALITY

52% likelihood 69% certainty

Inconsistent Concrete Supply
Unavailability of Specialist Resource
Insufficient completion of handover documentation
Noise and Vibration damages completed works
Water Ingress

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PROBLEM
HOUSTON WE HAVE A SOLUTION

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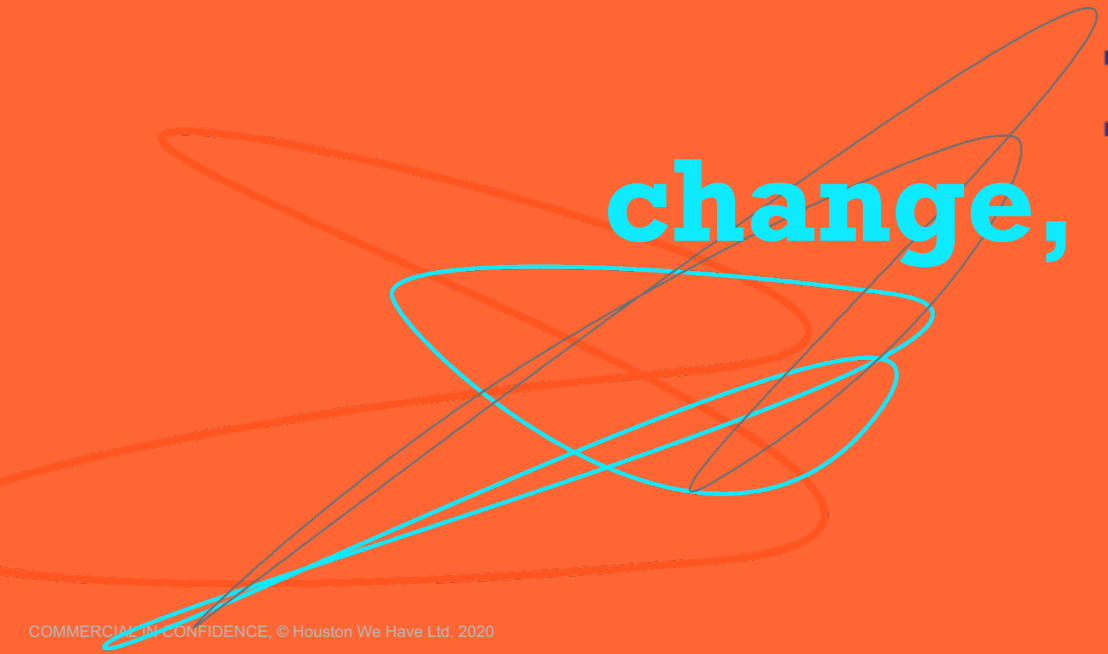
change, for good



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