



The Watercare Enterprise Model (EM) and Implementation of Practical Digital Engineering Solutions

Richard McIntosh & Farzam Farzadi – March 2023

make everyday better.

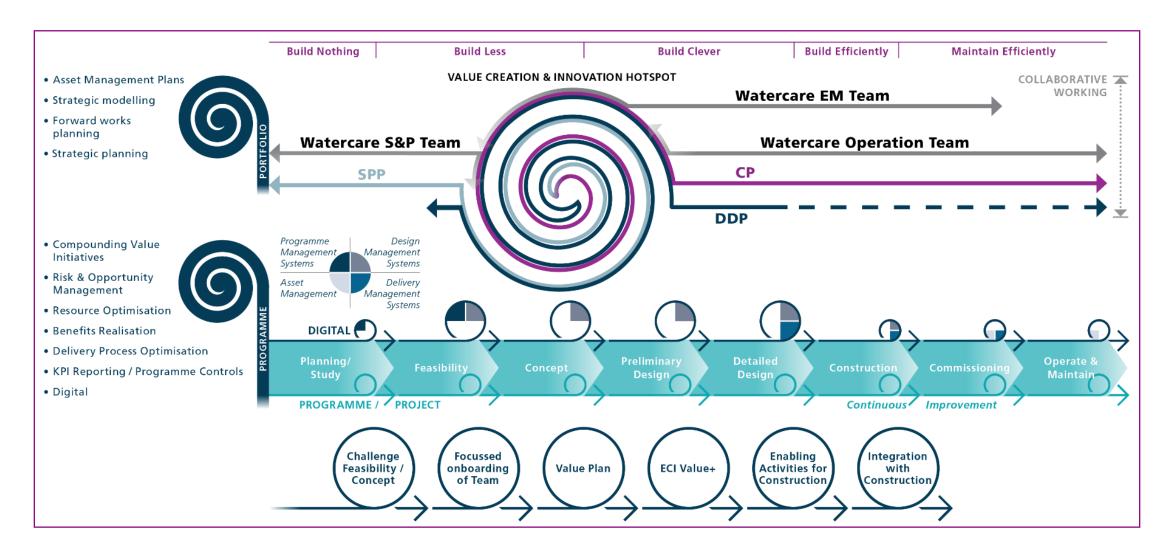


Agenda:

- About the Enterprise Model (EM)
- The EM Digital Journey
- The Outcomes
- Reflections



About the EM:







The EM Goals and Value Outcomes:



construction year on year by 20%

Watercare Goals and Value Outcomes

Risk Avoidance benefits

- Compliance to mandatory standards
- Supply continuity from ethically sound supply chains
- 'One Way of Working'
- Operating in accordance with Watercare's values

Continuous Improvement benefits

- Continually engineering out components and work practices which add cost, but no value to the construction lifecycle
- Realising Watercare's sustainability agenda

Game-changing benefits

- Recognised as global leaders in infrastructure delivery
- At the forefront of capability development within the industry (Watercare Academy)
- Blueprint for how greater value can be realised from other expenditure

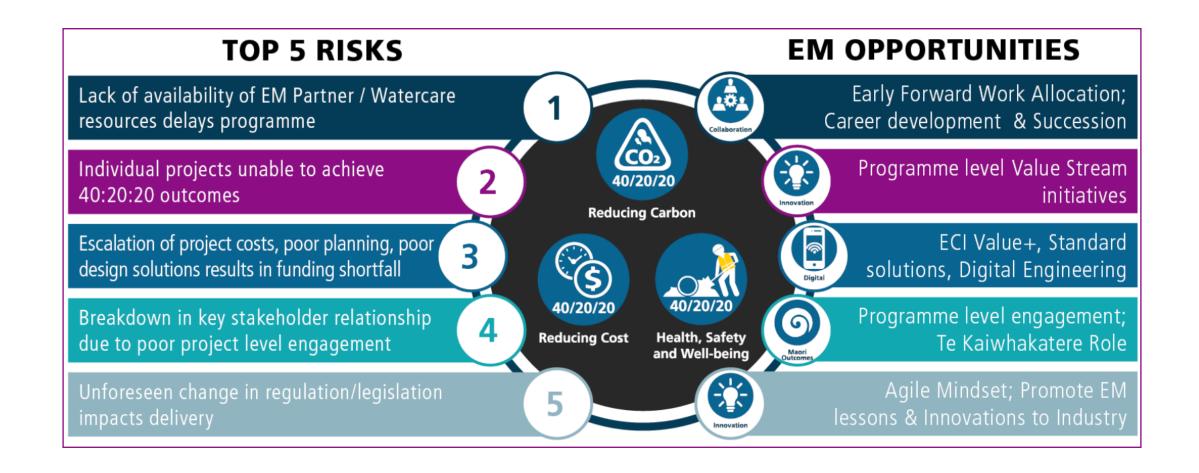
ROGRE

PRODUCTIV



Kaitiakitanga

The EM Risks and Opportunities:







The EM Culture:

Our behaviours to deliver the purpose are:

Outcomes Focussed – Deliver the plan with purpose

- Programme over project with value whole of life outcomes
- · Keep eyes on the bigger picture
- · Be aligned on expectations and plan for success

Culture – Embrace people and perspectives

- Be vulnerable, ask for feedback, understand each other
- Embrace broad perspectives, ideas and experience
- · Be the collaboration you want to see

Capability – Play to strengths

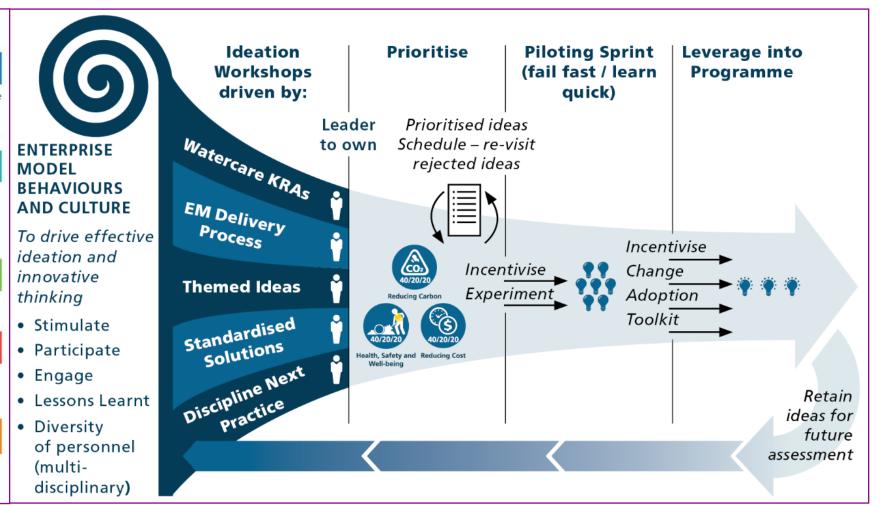
- · Celebrate and grow from success and failure
- · Share what we learn to grow the industry

Respect – Strong opinions loosely held

- · Challenge constructively listen and be curious
- · Grow and enhance a safety culture
- · Evolve the model to shape the industry

Action – Commit to our promises

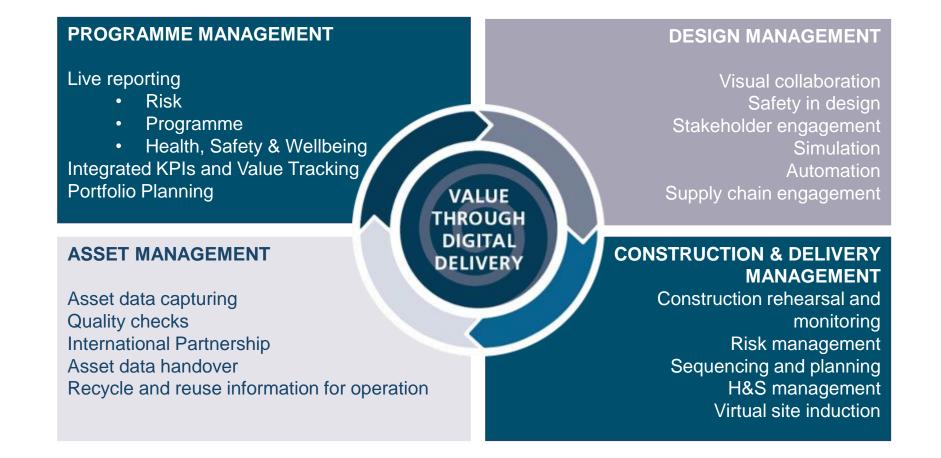
- · We find a way
- · Explore ideas
- · Keep to task with clear goals and check ins







Value Through Digital Delivery:







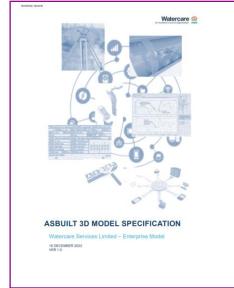
The EM Digital Delivery Strategies:

We focused on practicality, effectiveness, and agile improvement.







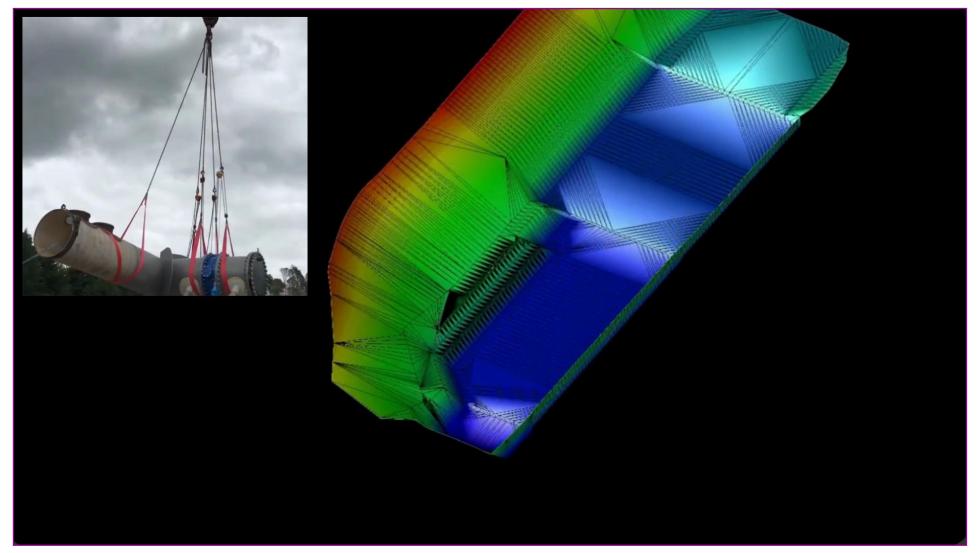








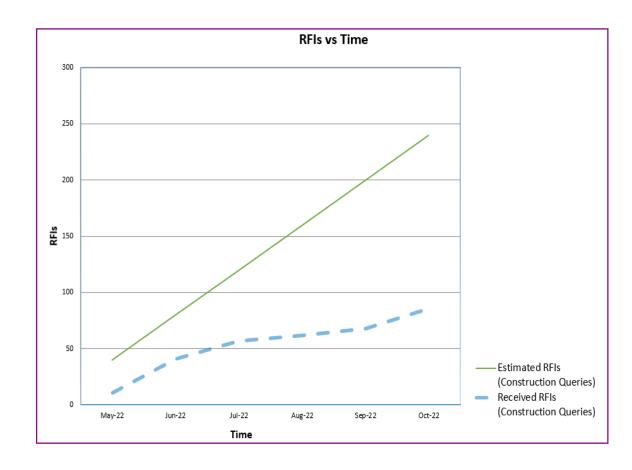
The Outcomes: Data driven solutions

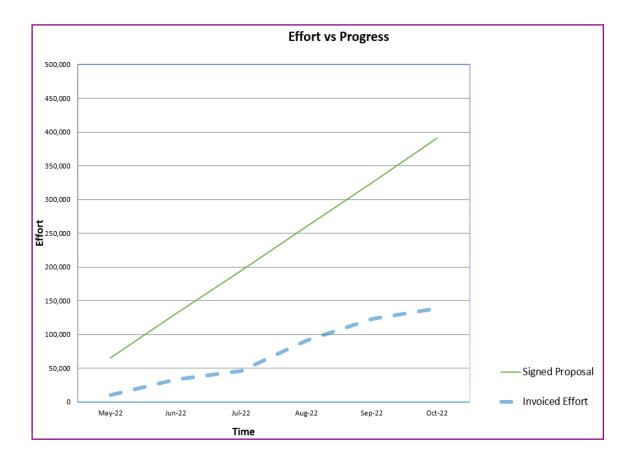






The Outcomes: Minimising RFIs and reworks







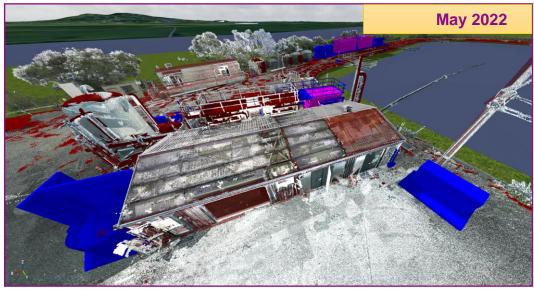


The Outcomes: Agile delivery

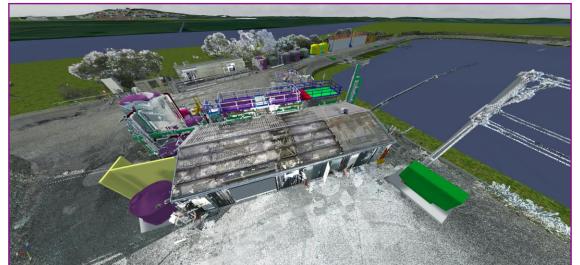


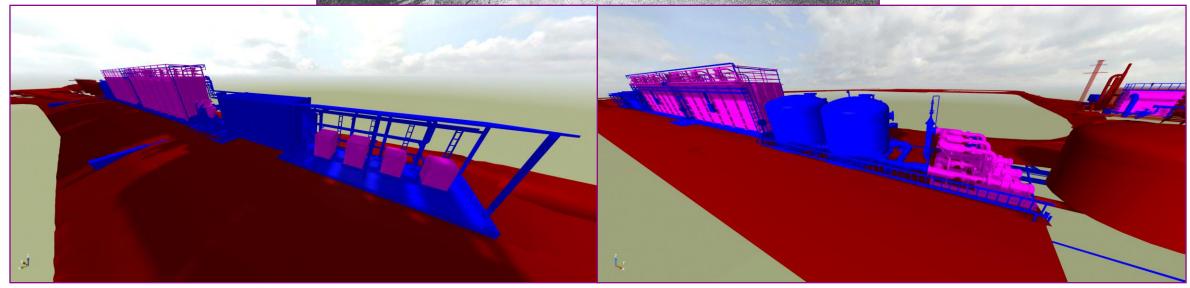






The Outcomes: Empowering the supply chain









Reflections:

- Courage to try something and being willing to adapt
- Focus on practicality and agile improvement progress vs perfection
- Manage technical and culture barriers this is a people journey
- Alignment of expectations between users
- Digital is not an innovation, it needs to be our way of working
- Client maturity is a challenge how do we use digital beyond the build?
- Value realisation is critical and needs to be communicated







Conversation Corner:

- We will join Beca's conversation corner at 1 pm.
- Please join us; we look forward to meeting you and answering your questions.

make everyday better.





