



Construction
Leadership
Council



Technology Roadmap for UK Construction & National Infrastructure



Journey to date

The launch of i3P on October 18th 2016, with 22 major client and supply chain organisations, confirmed that the construction and infrastructure sector had now committed to a future based on, and leveraged through, collaborative innovation.

We committed to using the same platform, approach and categorisation for innovation, with people from across all member organisations sharing ideas, innovations, and participating in industry-wide collaborative projects.

The development of a strategic relationship between i3P and the MTC has enabled us to accelerate our ambitions. With the support of the MTC, i3P has developed a Technology Roadmap for UK Construction and National Infrastructure, aligned with the three strategic themes in the CLC Sector Deal.

The Roadmap work will be supported by the i3P Collaborative Innovation Fund to pursue feasibility, scoping and proof of concept studies to develop the required technologies to address the challenges faced by our industry.

I am confident that this industry-wide collaborative 'Innovation Plan' will drive the delivery of infrastructure fit for the 21st and 22nd centuries, for the benefit of users, the industry and for UK plc.

Andy Mitchell

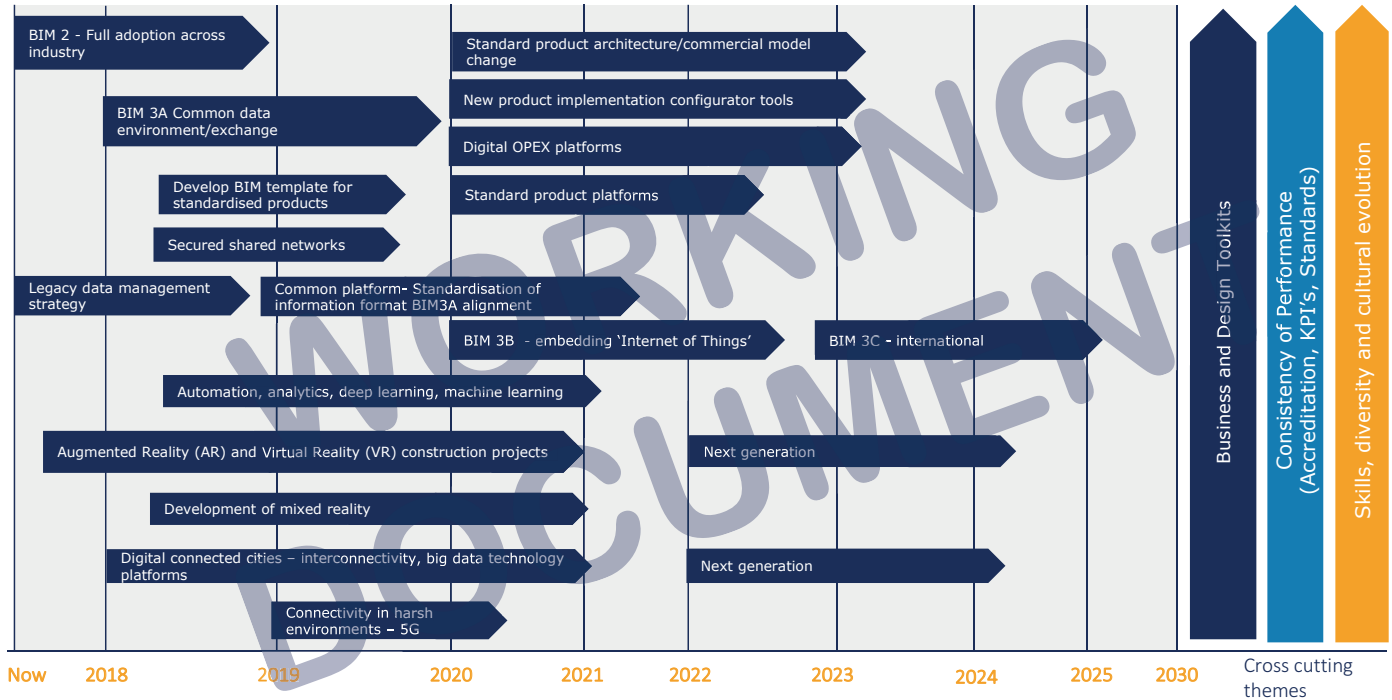
Chair of i3P, CHIEF EXECUTIVE OFFICER, Tideway

"The development of this technology roadmap represents an important step forward in the drive to significantly improve productivity and make the UK construction industry world class. By collaborating on research and development projects, this will help to mobilise and accelerate innovative solutions that will transform the whole sector."

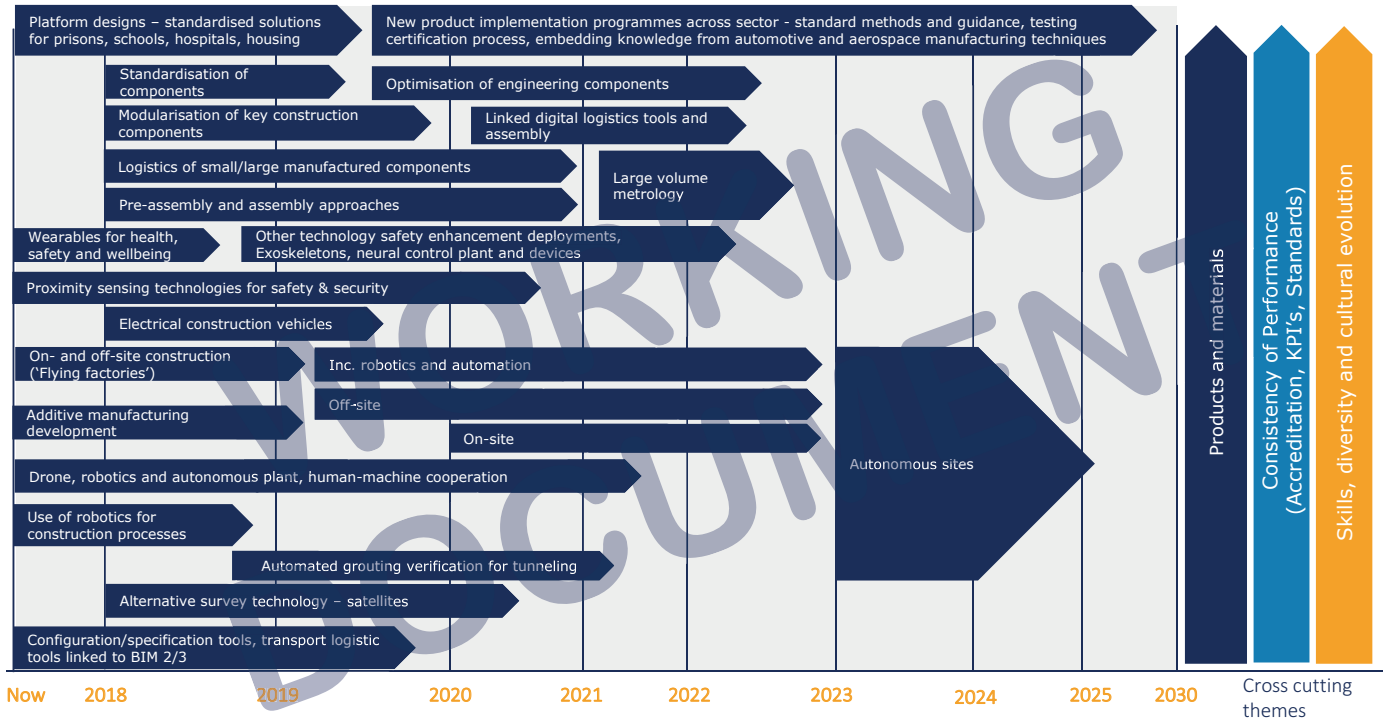
Lord Prior

*Parliamentary Under Secretary of State
at the Department for Business, Energy
and Industrial Strategy*

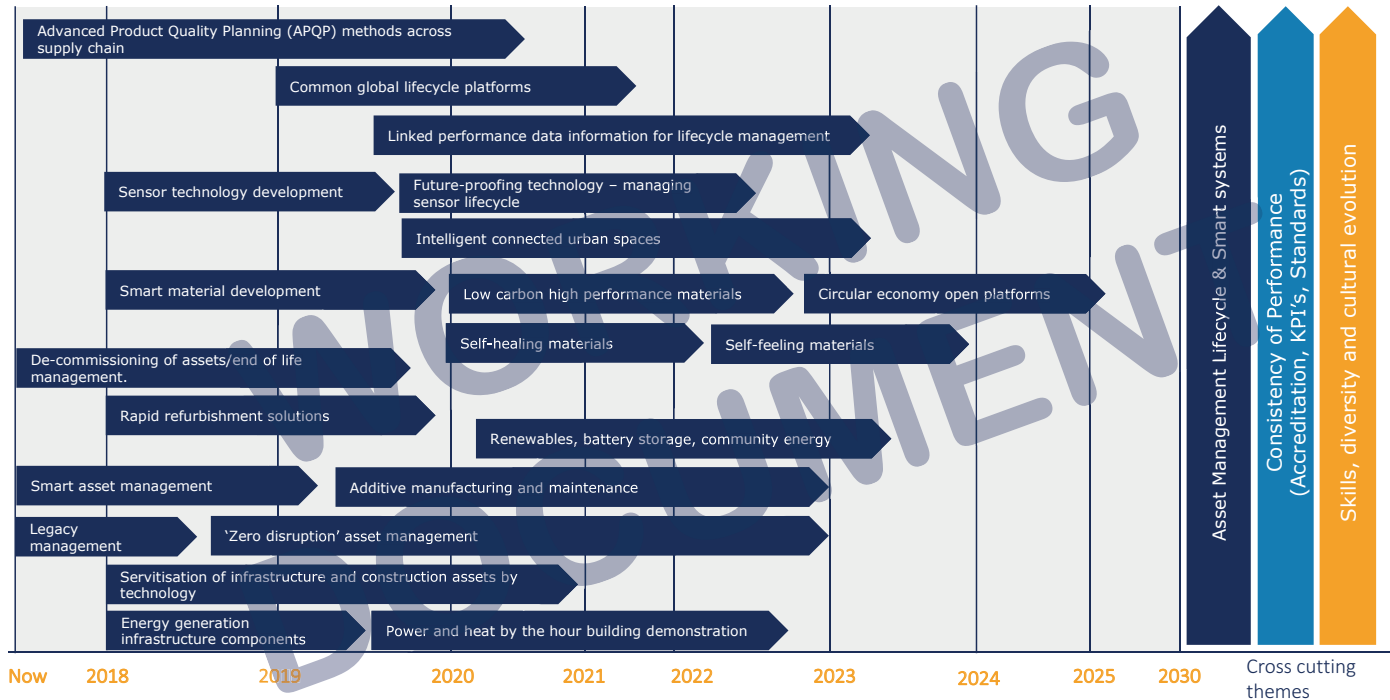
Strategic Theme 1 - Digital Transformation



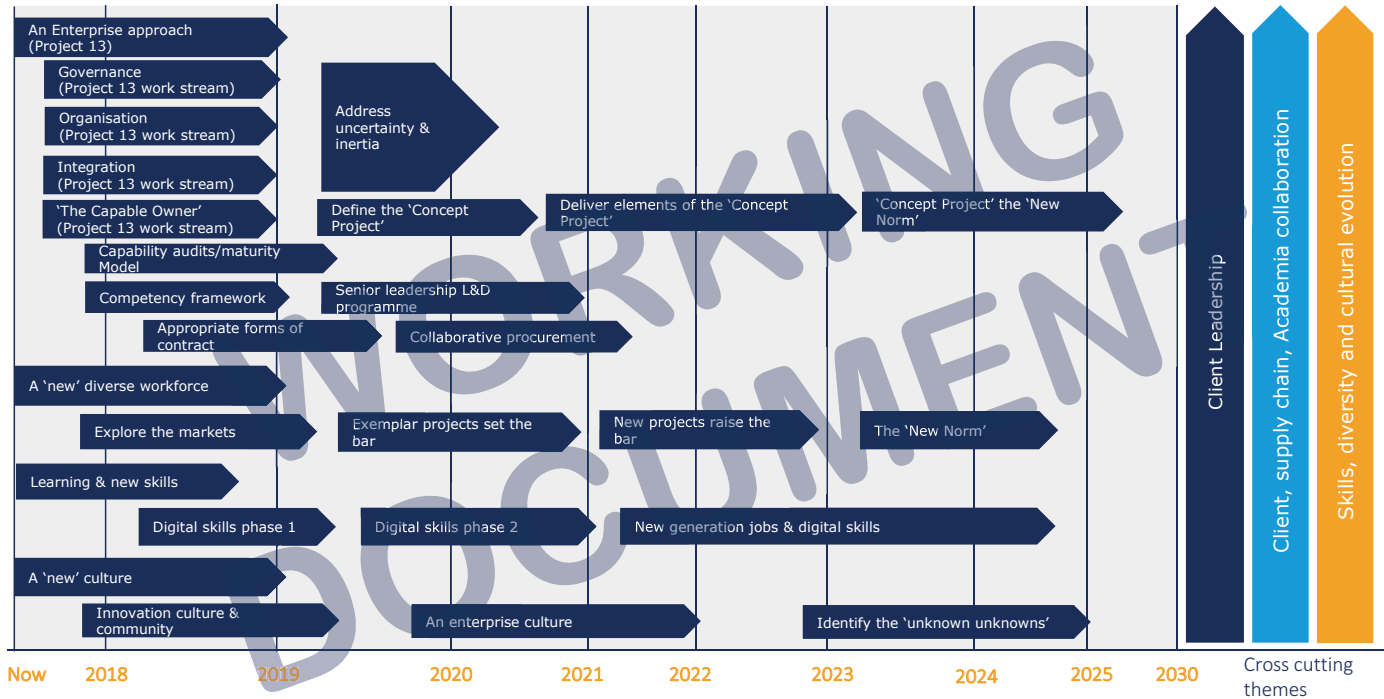
Strategic Theme 2 - Manufacturing Construction



Strategic Theme 3 - Life Cycle Performance



Non-Technology - Critical Elements



Next Steps

We have commenced our journey but the next critical step is to further develop and refine the Technology Roadmaps. These will be completed collaboratively with i3P membership, MTC, BRE, industry institutions and academia. The establishment of pathways and dependencies between Technology, Industry and Manufacturing Readiness Levels (MRL's) for each key technology area will enable the industry to form coherent programmes of work which will transform how construction and infrastructure is delivered.

Non technology areas identified will also be closely considered to provide a culture and framework conducive to one driven by investment in collaborative innovation.

For more information please contact:-
www.i3P.org.uk

Chris Bagley

*i3P Secretariat Head of Infrastructure
Knowledge Transfer Network
chris.bagley@ktn-uk.org*

Susan Hone-Brookes

*Chief Engineer, Construction & Infrastructure MTC
susan.hone-brookes@the-MTC.org*

"The adoption of digitally-enabled technology solutions will transform productivity and performance in the built environment. BRE supports i3P and MTC in evolving this roadmap and working with industry to deliver against it."

Dr Peter Bonfield OBE FREng

Chief Executive, BRE Group

"We support this as an important step in informing the long term strategy and direction of our infrastructure industry."

Roger Bailey

Asset Management Director, Tideway

"The roadmap articulates the crucial next steps of our industry's accelerating journey to a more productive, engaging and rewarding future."

Rob Ewen

Delivery Director, Heathrow Expansion Programme

"The road mapping provides a focused industry approach to allow collaborative innovative solutions to be developed that will address our customer needs and improve the performance of the industry."

Tim Embley

Costain

"The passion shown by the i3P Industrial Players to collaborate for the benefit of the whole industry has impressed me. That is why I'm so pleased to have been part of the team which delivered the first National Technology Roadmap for the Industry."

Neil Rawlinson

Strategic Director, MTC



The i3P membership is made up of



Balfour Beatty

SKANSKA

**MORGAN
SINDALL**



Heathrow



ATKINS



ch2m:



ARUP



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UK Construction & National Infrastructure

11th July 2017