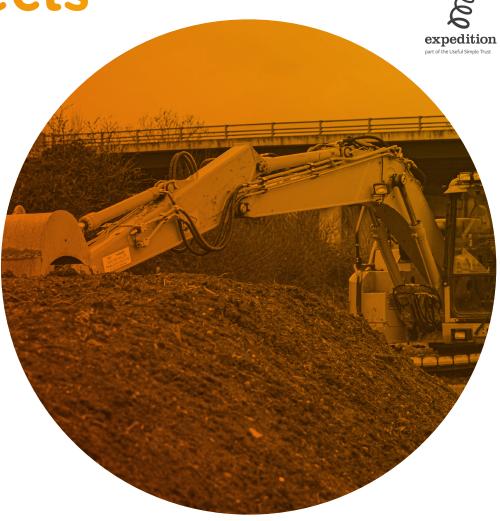
Tiger Teams —
Open innovation for infrastructure projects

Summary of Approach



HS₂



Tiger Teams — Open innovation for infrastructure projects

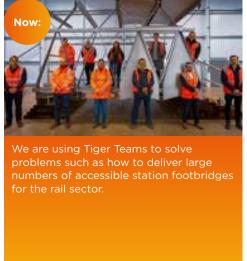
Tiger Teams are groups of experts brought together to solve difficult engineering problems.

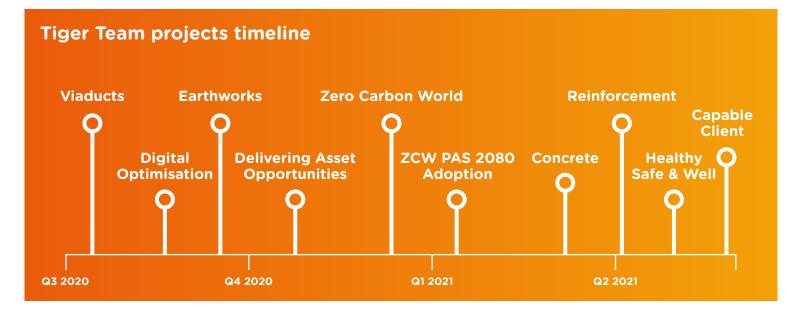
They are particularly useful for the sort of complex, multi-stakeholder challenges that are often found in infrastructure. Representatives from different stakeholders can work together in a challenging, but collaborative, way to address ideas around innovation. Tiger Teams can therefore help unlock solutions

that the market has failed (or is likely to fail) to address on its own.

i3P is working with infrastructure clients and their supply chains to embed Tiger Teams as an established methodology for 'soft-system' engineering problems - that is, where the problem definition is subjective and solutions depend on a complex interplay between human, technological and environmental factors. This document introduces the Tiger Team concept and sets out the methodology and approach at a high level.







About i3P

Established in 2016, the Infrastructure Industry Innovation Partnership (i3P) is a community of client and supply chain organisations that have made a commitment to delivering collaborative innovation. Its 45 members include infrastructure asset owners, contractors, consultants and Government departments.

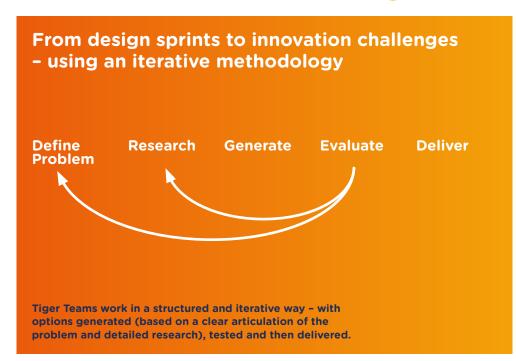
The Knowledge Transfer Network (KTN) works with i3P to support members and to help identify, prioritise and promote strategic innovation opportunities.

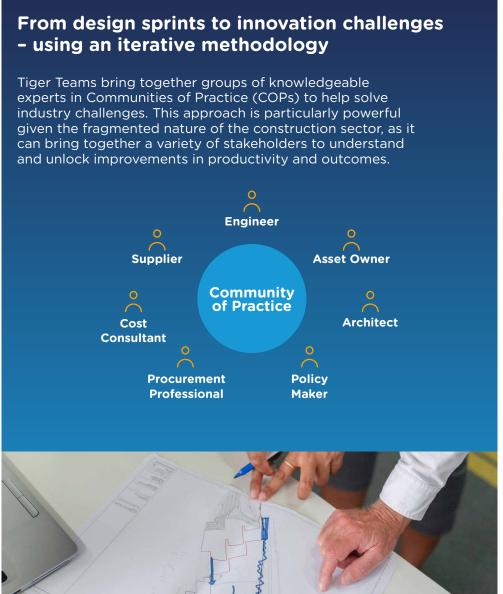
Tiger Teams — Open innovation for infrastructure projects

The three-stage, 3 'D's process

The Tiger Teams approach works best for complex, interconnected problems. Projects are organised around a three stage process, made up of Discovery, Development and Delivery. The process starts with a broad review of the business case for the innovation in question, and moves towards how to deploy the efficiency improvements identified at scale.







Tiger Teams have provided the following benefits to infrastructure projects:

1

Establishing a
Zero Carbon
World Community
of Practice,
comprising over
80 members
from across the
wider industry.

2

15-20% of efficiencies in programme cost and duration from Digital Optimisation.

3

24 ideas identified and being developed to improve productivity in Earthworks.

4

Identified three major concrete carbon reduction strategies to be piloted for large scale adoption. 5

Undertook a research study to identify significant opportunities to optimise viaduct design on HS2 Phase 2.

6

Creation of a
Community of
Practice of over
60 experts from
the reinforcement
industry to
identify over
100 innovation
opportunities.

"Tiger Teams are able to identify the real blockers to innovation in major infrastructure schemes - and then bring people together to resolve them."

Andrew Pestana
Innovation Strategy Lead, HS2

We see the real value from this TT (Zero Carbon World) study. The discovery phase has exceeded our expectations and we look forward to the next part of the journey.

To find out more about how Tiger
Teams can help with your infrastructure project, contact:

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Nick Sumption

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