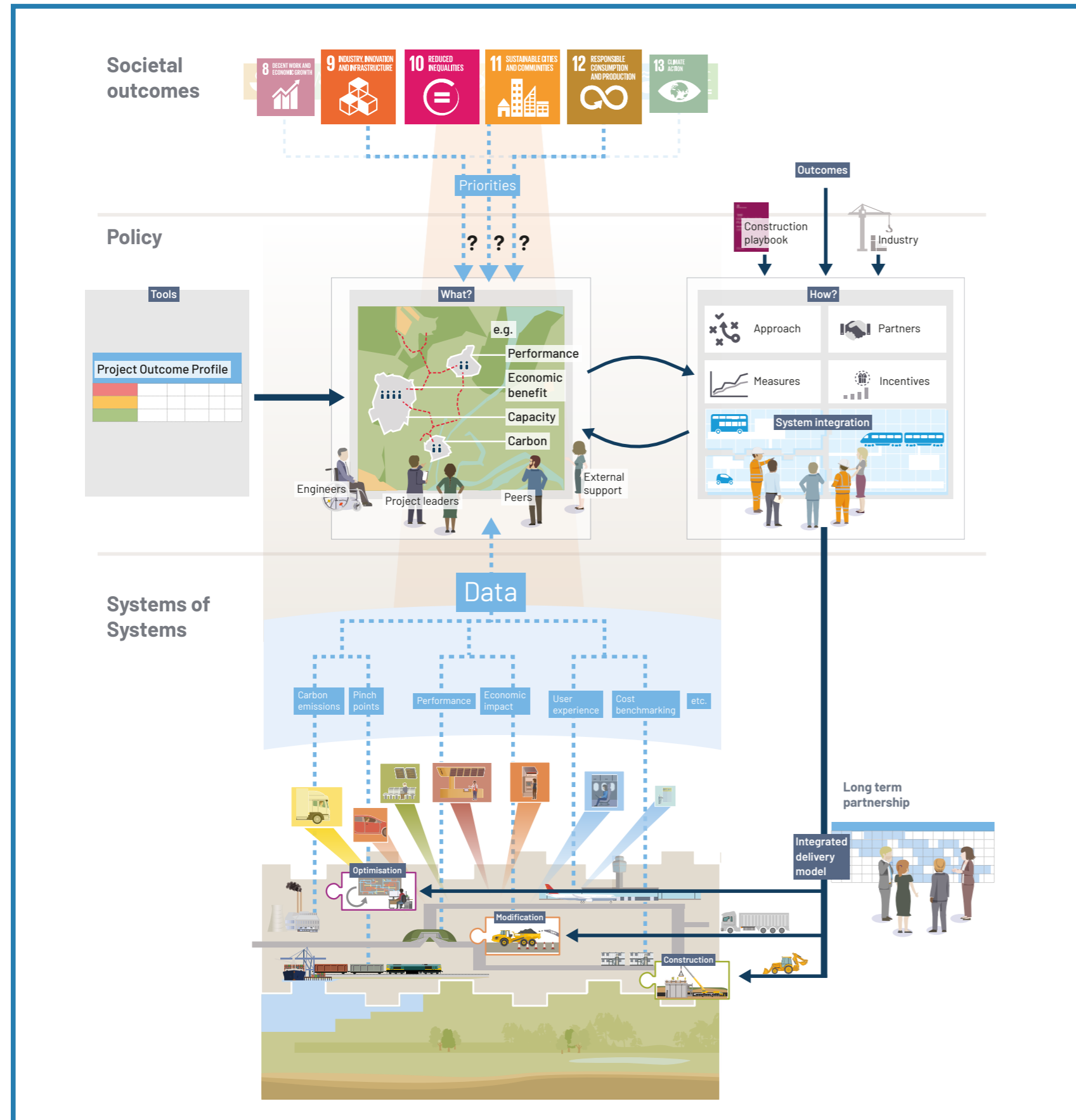


Delivering new economic infrastructure to drive improved outcomes for people and nature



The Problem

Too often when investing in new infrastructure, completion of the project is perceived as an end in itself. We tend to think of the built environment as a series of isolated projects so it can be hard to see their combined effect on mobility, emissions and all the other infrastructure services on which we rely.

The Vision

Government and industry would have the means to define and understand the outcomes required from new assets, and the integration and interactions between new assets and the existing system. They would leverage common metrics and benchmarks to compare performance and make robust decisions on affordability.

Further, government would bring these elements together to enable the formation of longer term relationships with the supply chain that incentivise the delivery of outcomes. These approaches would be supported by a mature project leadership skills base, with a digitally enabled industry becoming an increasingly attractive career pathway.

The Benefits

- Aligned outcomes and incentives: Greater impact from investment, at the societal level as a direct result of outcome-led and value-based decisions.
- Improved understanding and ability to model the impact of interventions in the built environment: The role of data and digital twins in enabling us to move beyond the constraints of individuals, or single systems, to begin to understand the interactions of multiple systems.
- More attractive career pathway, an industry that is a great place to work, with clear routes of entry and progression to attract and retain talented people.