



## Whole-Life Value Workstream & Procuring for Value Project

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#### **Driving Better Outcomes**





#### Workstream Aim



"Developing, validating and embedding within industry, a consistent and transparent approach to the definition and assessment of Whole Life Value across all asset lifecycle phases".

#### **Workstream Objectives**



- Detailed review of relevant existing frameworks, methodologies, tools and datasets
- Development of a clear and consistent 'Value Framework' covering social, environmental and economic metrics as they apply across asset lifecycle phases
- Robust, evidence-based benchmarking against the value framework to support a data-driven approach to decisionmaking across asset lifecycle phases;
- Development of relevant free-to-industry tools, underpinned by the above to support decision-making across asset lifecycle phases (e.g. PfV project)
- Data collection for, and validation of, the value framework and developed tools based on its application on realworld projects, past and present.
- Consideration for, and development/adoption of, the commercial & business models required to enable a valuebased approach to asset decision-making, and;
- Identification and development of the skills & capabilities required within the industry to support a data-driven, valuebased approach to asset decision-making.

#### Applying the 'Five Capitals' Model



### The Value Framework will be based on the 5 Capitals model, covering:

- Natural Capital: embodied carbon, operational energy, water use, biodiversity...
- Financial Capital: capital cost, operational cost...
- Manufactured Capital: quality, time, productivity...
- Human Capital: employment, apprenticeships, skills & training, health & wellbeing...
- **Social Capital:** community engagement & benefits, supply chain accessibility, responsible sourcing...



#### **Data Driven Decision-Making**





#### **Key Workstream Challenges**







# **Applying the Value Framework: Procuring for Value Project**

#### **Procuring for Value Project**



- Development of a software tool, based on the Hub's Value Framework, to support value-based decision-making during procurement of new asset delivery projects.
- Practical tool to drive a change of behaviour in the procurement process leading to much greater alignment between policy and procurement behaviour.
- Joint initiative between the Construction Innovation Hub and the Construction Leadership Council's (CLC) Procuring for Value working group.
- Building on IPA's Transforming Infrastructure Performance programme and CLC work, supported by industry (CIC, Constructing Excellence, ACE, RIBA, RICS, Arup, etc).





#### PfV Tool Concept (In Progress!)



- 1. **Project Information:** Used to determine relevant capital/metric benchmarks and limits for type of project, location, etc.
- 2. User Weighting: User weights each of the 5 capitals and their metrics to suit local definition of 'value' (within defined limits).
- 3. Benchmarks: Tool shows user benchmark data and upper and lower limits for each metric (user may adjust limits where appropriate).
- 4. **Bid Data:** Actual design values are then entered for each metric from tender information.
- 5. **Baseline Score:** The aggregation of all the benchmark 'scores' across all metrics represents a normalised score of 1000.
- 6. Final Bid Scores: New score for each capital/metric and subsequent total score generated based on user defined weightings. (>1000 = value added, <1000 = value below baseline).







#### Thank you for your attention!

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#### Join the transformation



