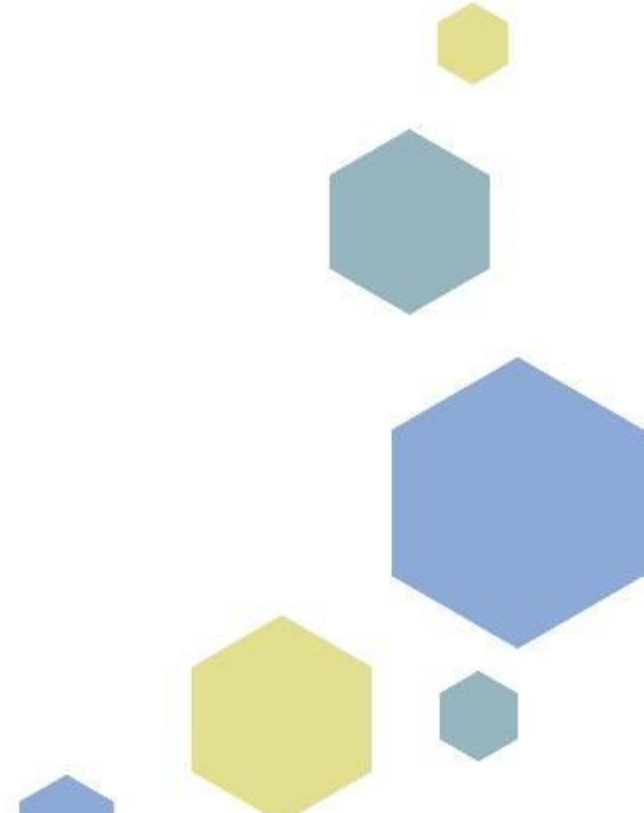


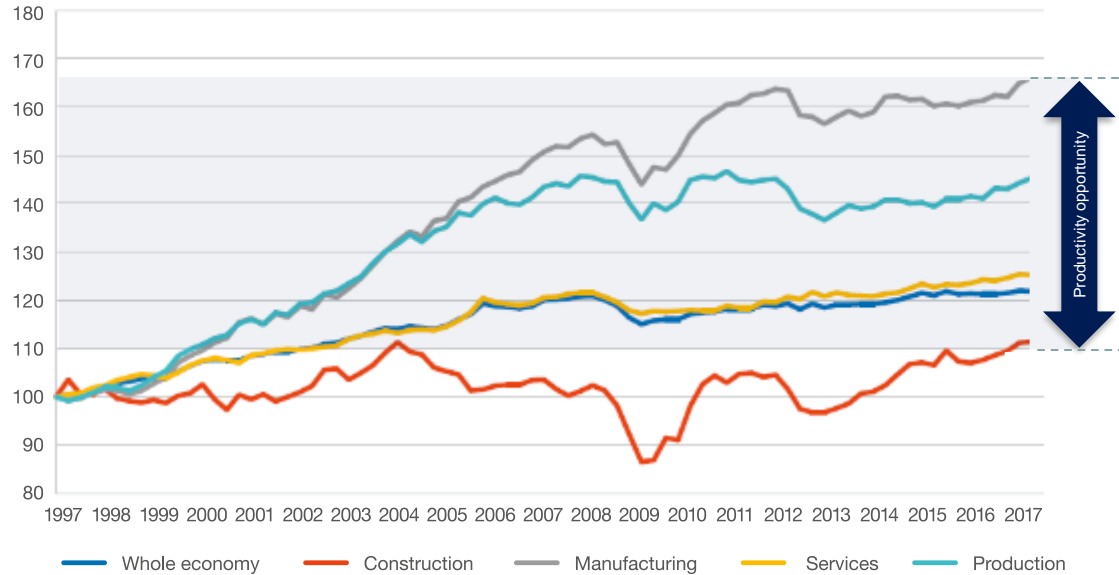
Delivering better outcomes – for business and society

March 2019

Keith Waller
Construction Innovation Hub
Programme Director

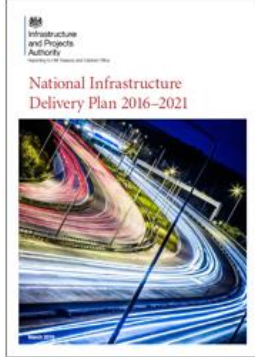
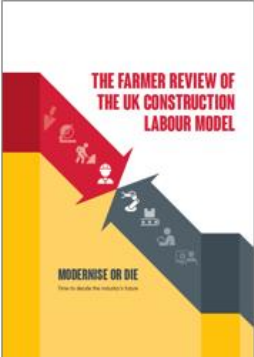
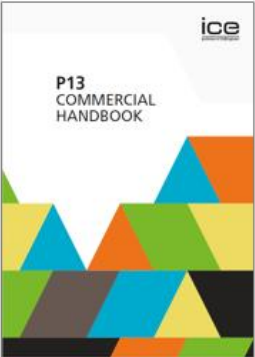


Drivers of change in UK



Source: ONS / Transforming Infrastructure Performance, IPA, 2017.

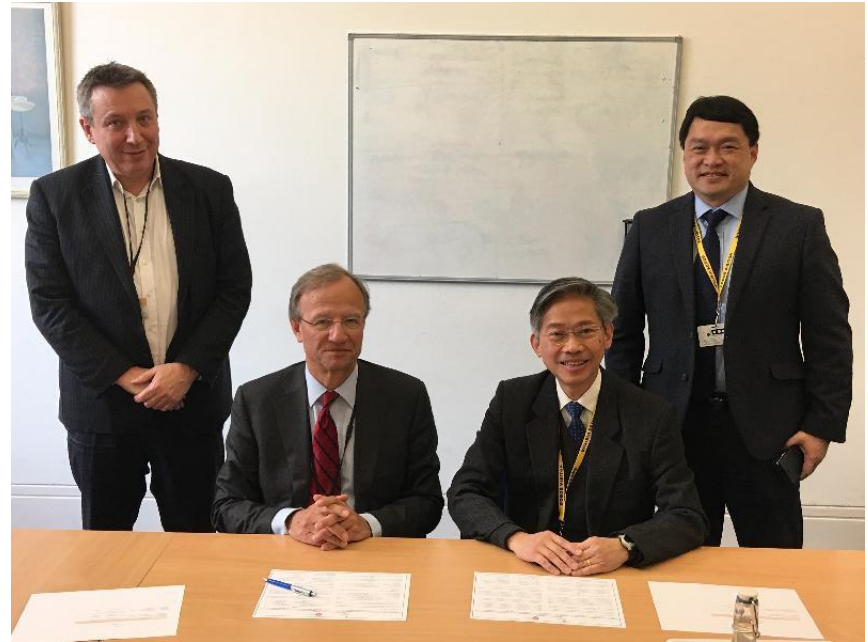
The call to action



Strong co-operation – Hong Kong & UK



Permanent Secretary for Development (Works), Mr Hon Chi-keung, signing a Memorandum of Understanding to strengthen exchange in expertise and experience between Hong Kong and the UK in implementing infrastructure projects in March 2018.



UK's Construction Sector Deal



£170m

Government
funding

£250m

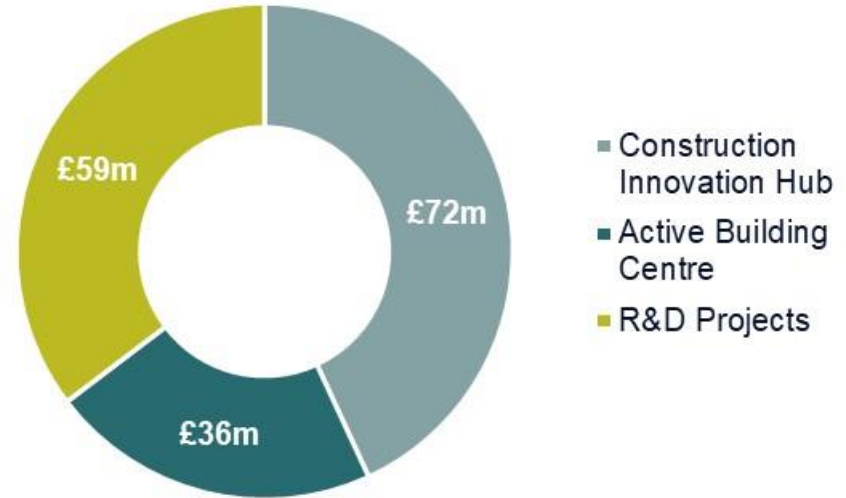
Matched industry
funding

4 years

of funding

Sustainable

long-term model



Construction Innovation Hub



- Product Family Architectures and Standardised Component sets
- Process Engineering Solutions
- Government Department Discovery and Analysis
- Physical Demonstrators



- Engagement and Skills
- Demonstration, Testing and Validation
- Built Environment Performance
- Digital Product Data and Building Regulations



- Digital Transformation across Asset Lifecycle
- Asset Management and Digital Twins
- Contracting and Business Models for the Digitally Enabled Built Environment
- Impact Assessment
- Driving Change and Growth

Catalyst for transformation



Our mission is to be a catalyst for transforming the UK construction sector through manufacturing technologies and digital ways of working – boosting productivity, exports and asset performance to benefit society.

Programme > Key inputs

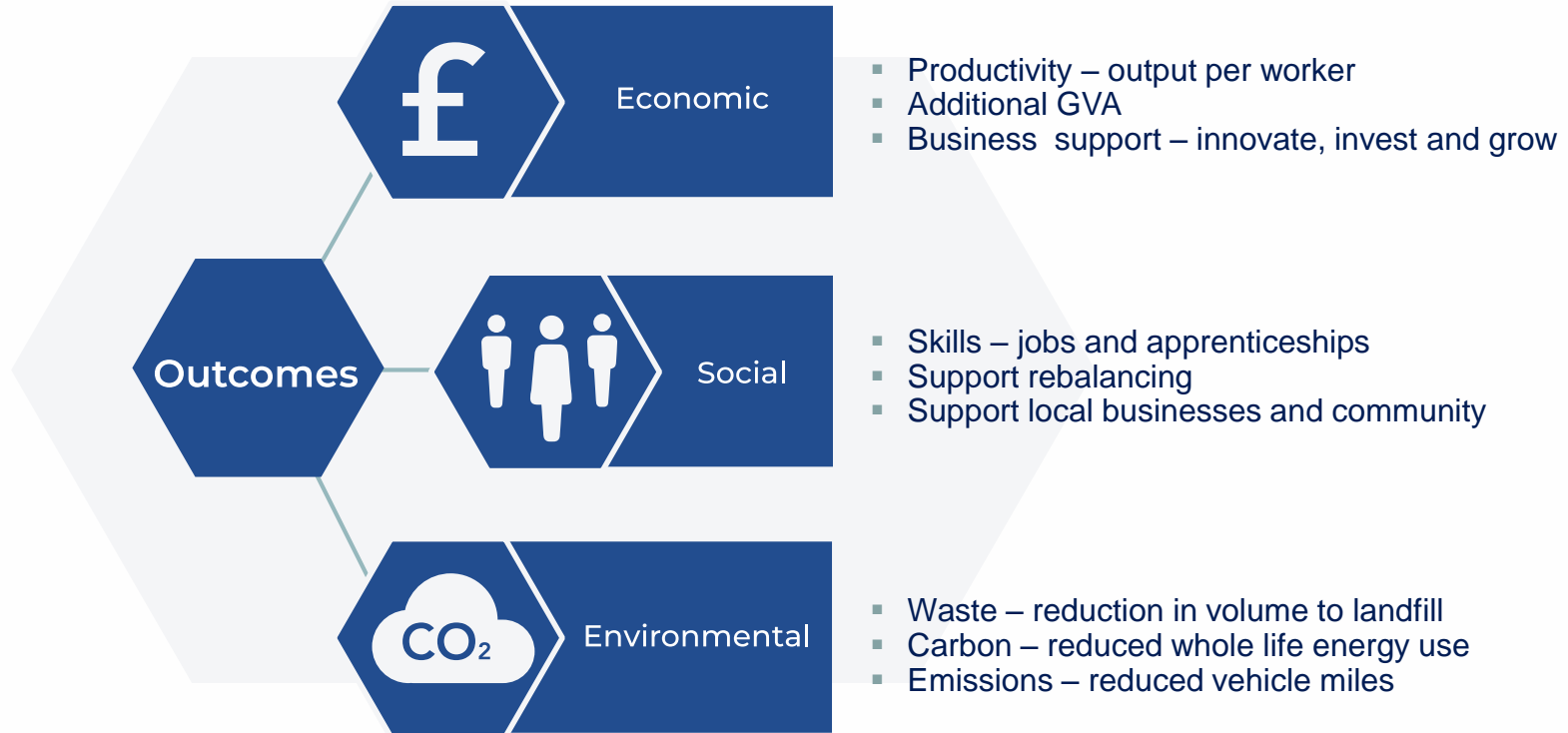


Programme > Key outputs



- Owner**
- High quality projects
 - Better performing assets
- User**
- Better experience
 - Quality
 - Safety
- Operator**
- Better, useable data
 - More effective O&M strategies
- Industry**
- Safer
 - Predictable
 - Profitable

Programme > Key outcomes



Programme



Inputs

Outputs

Outcomes



Construction Innovation Hub



Improved through life performance



Twin outputs

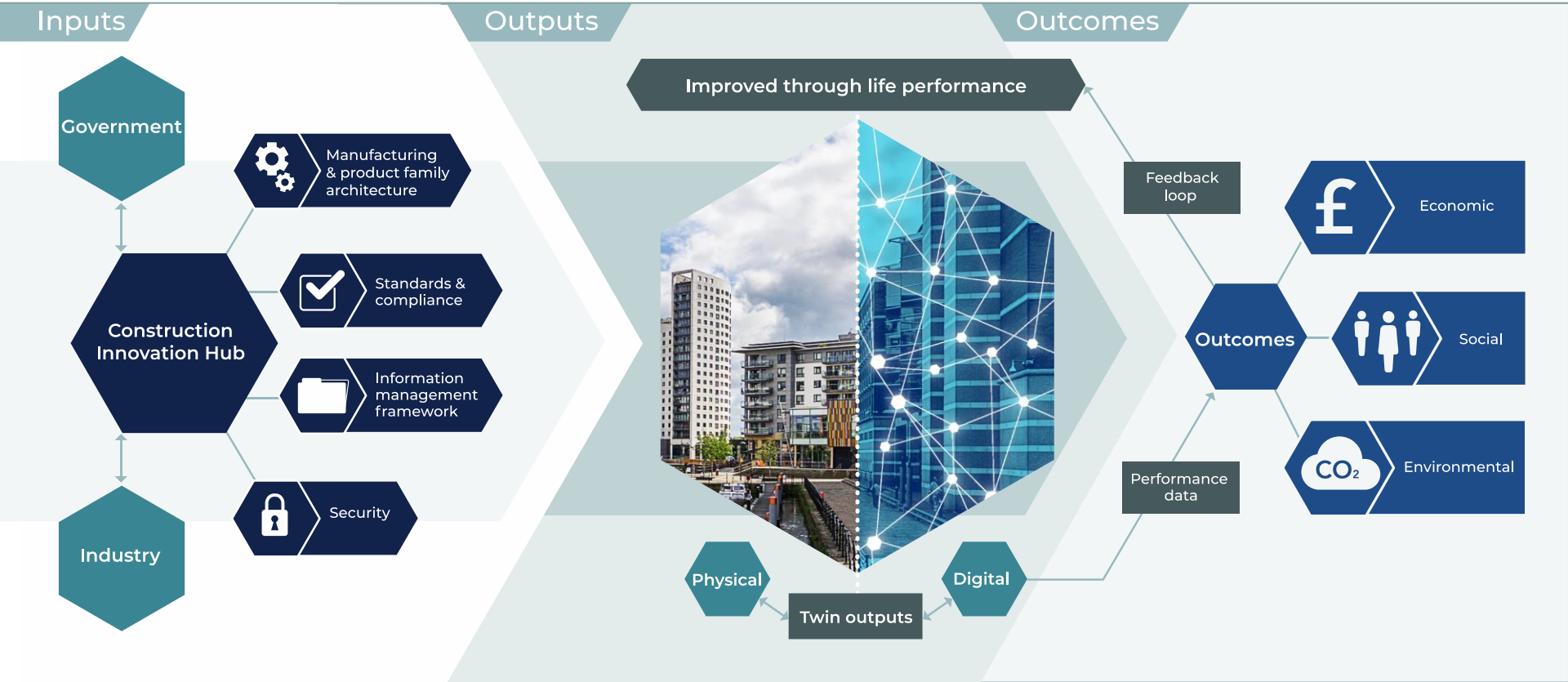


Feedback loop

Outcomes



Performance data



But remember.....



“The pace of change has never been this fast, yet it will never be this slow again.”

Justin Trudeau, Davos 2018

- But it's not just about embracing digital and technology
- Nor is it just about embedding DfMA into our projects
- We should not be just try to do the same thing, but a bit better
- We should strive to do a better thing – for business and society - **DfΣ**

Conclusions



- This is a time of real change for UK industry with a programme focused on delivering better outcomes - **DfΣ**
 - New technology, digital tools, better data, AI, manufacturing systems
 - A long-term funding commitment in the UK
- Essential to build strong support across government, clients and industry
 - A powerful new **Industry Board** to help drive the change in UK
 - Real opportunities to collaborate internationally between UK and HK

Join the transformation



- Visit us at **transformingconstruction.org.uk**
 - Go to **bit.ly/JOINCIH** to sign up for updates
 - How do you envision the future of construction?
 - Tweet at **@CIH_HUB**
 - Share your thoughts via LinkedIn
- [#transformingconstruction](https://twitter.com/transformingconstruction)**