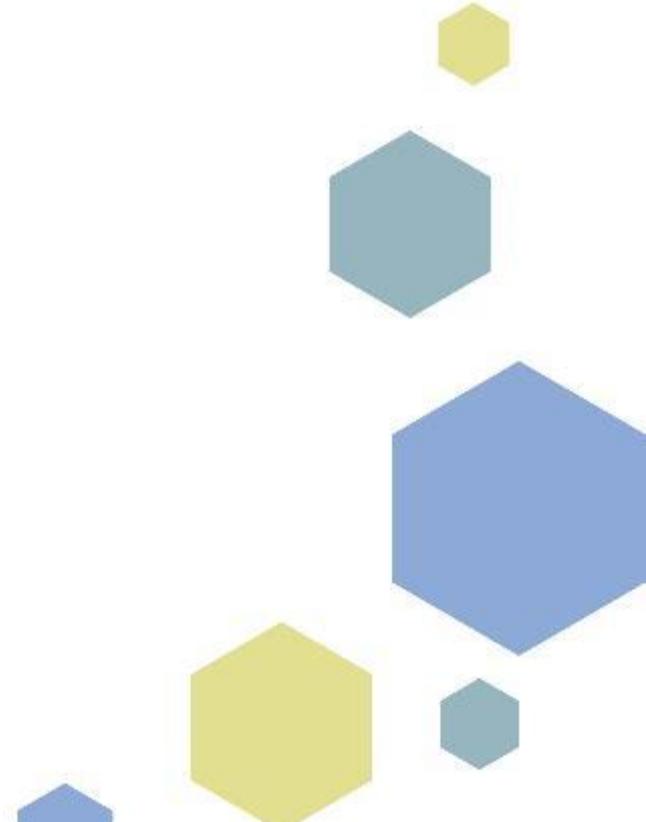


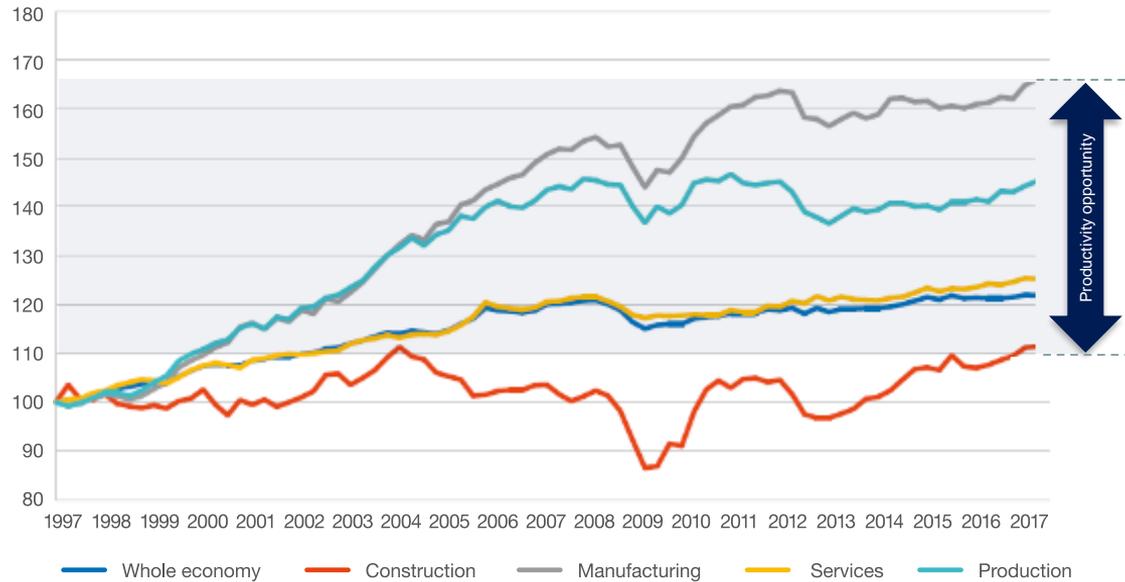
# Delivering better outcomes – for business and society

March 2019

Keith Waller  
Construction Innovation Hub  
Programme Director

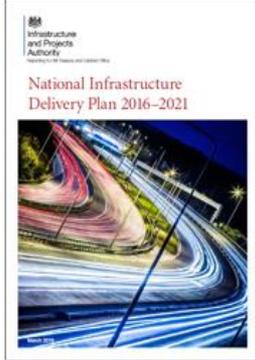
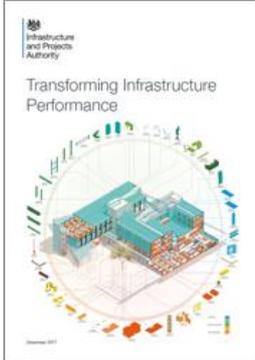
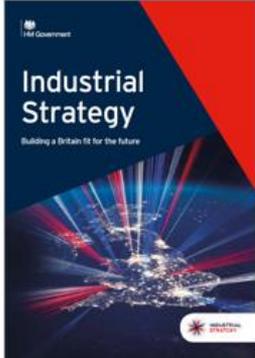
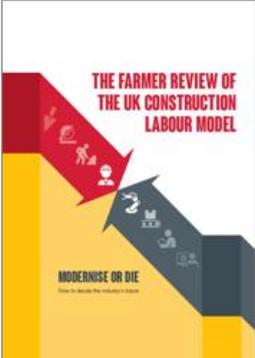
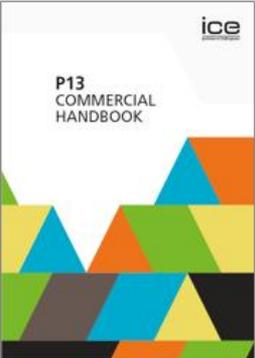


# Drivers of change in UK



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

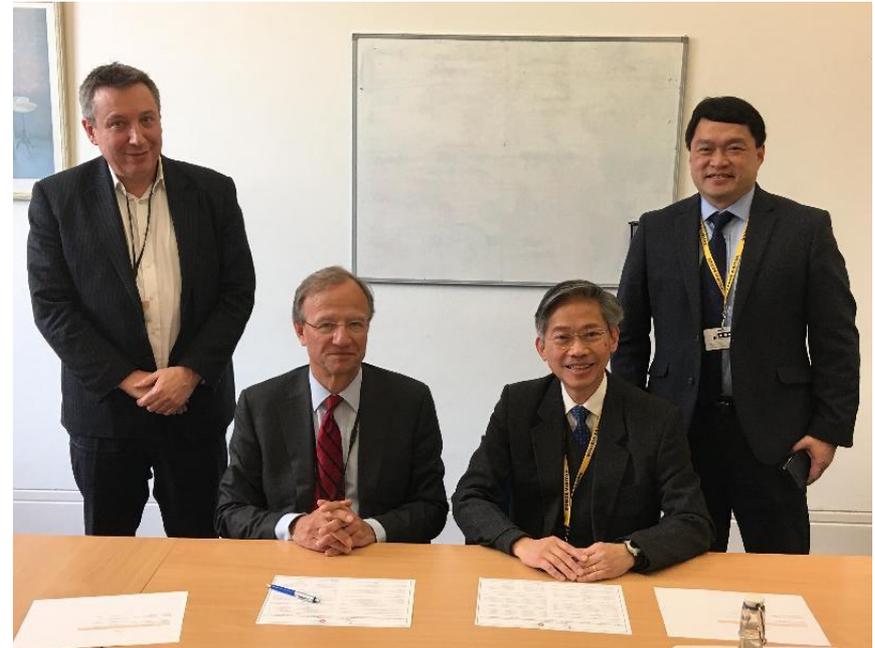
# The call to action



# 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**

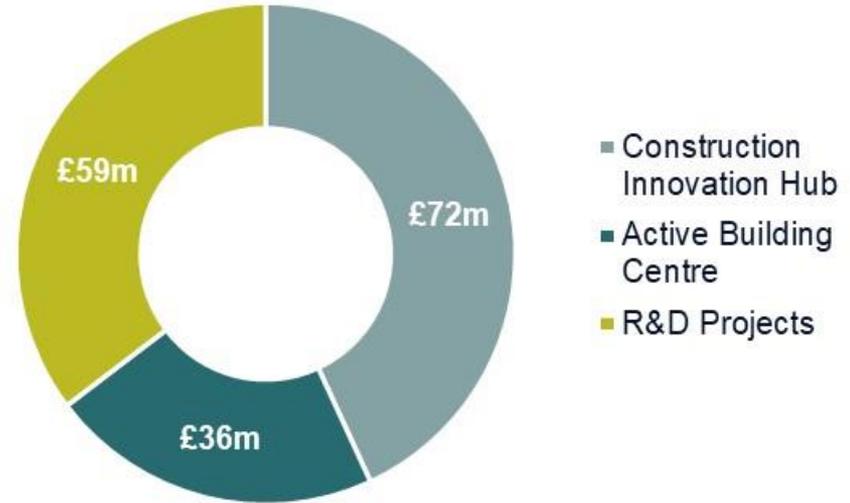
Matched industry  
funding

**4 years**

of funding

**Sustainable**

long-term model



# Construction Innovation Hub



**mtc**  
Manufacturing  
Technology Centre



**bre**



**cabb**  
Centre for Digital Built Britain

- 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

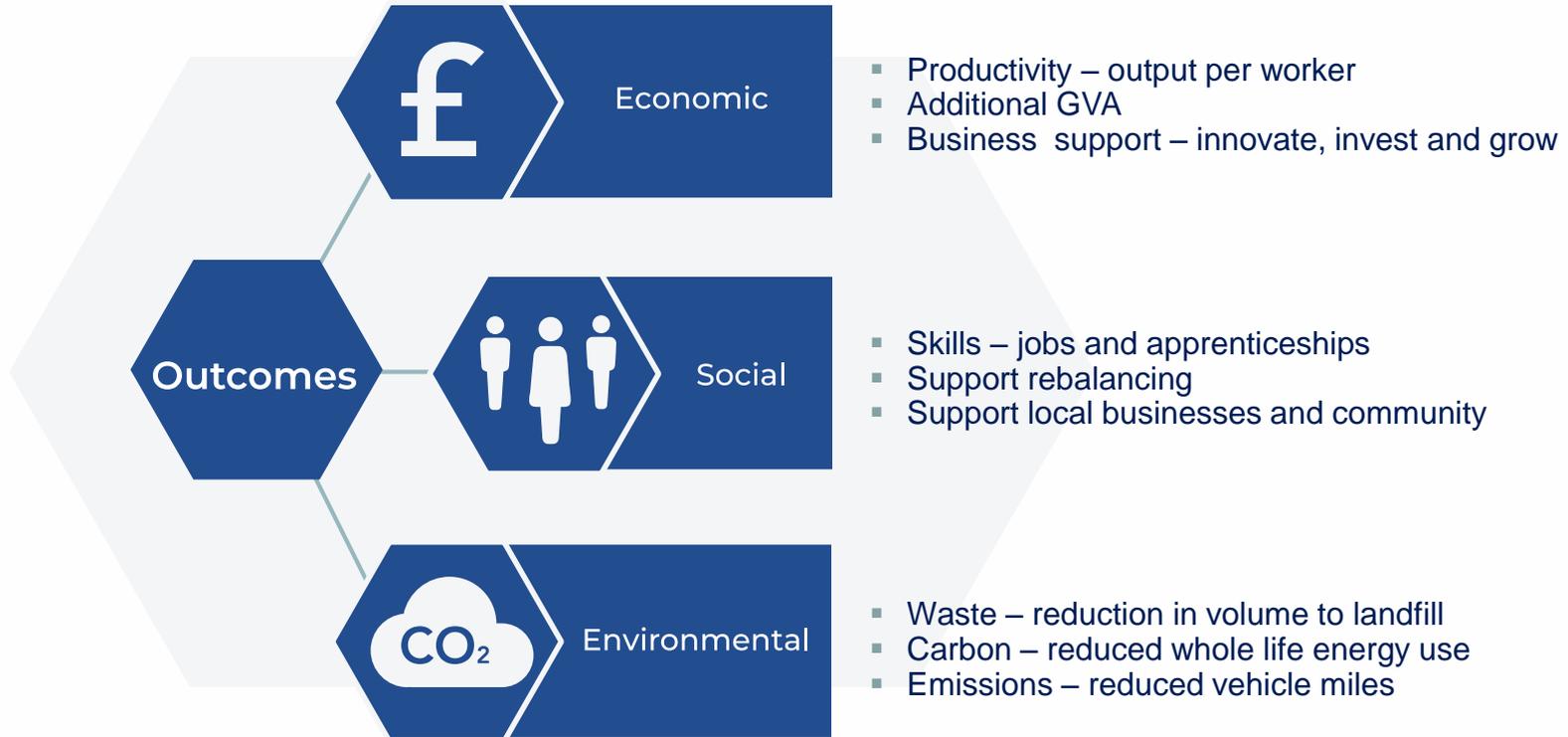


# Programme > Key outputs



- 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



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](http://transformingconstruction.org.uk)**
  - Go to **[bit.ly/JOINCIH](http://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)**