Smart Construction in the UK

Peter Hansford
Infrastructure Cost Review

- …to identify savings of 15-20% in the cost of UK infrastructure projects
- Worth £2.7bn p.a.
Government Construction Strategy

• ...to reduce the cost of Government construction projects by 15-20% by the end of this Parliament

• Targeting £2bn over 4 years
BIM Strategy

- ...to mandate the use of BIM on all centrally procured Government projects by 2016
Construction 2025

- ...to transform the UK construction industry by 2025
Our Joint Ambitions for 2025

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<tr>
<td>Lower costs</td>
<td>Faster delivery</td>
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<td><strong>33%</strong></td>
<td><strong>50%</strong></td>
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<td>Lower emissions</td>
<td>Improvement in exports</td>
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<td><strong>50%</strong></td>
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Construction 2025 - Key Themes

- People
- Smart
- Sustainable
- Growth
- Leadership
Smart

An industry that is efficient and technologically advanced

- Build the UK’s competitive advantage in smart construction and digital design through the Digital Built Britain agenda
- Bring forward more R&D and demonstration and remove barriers to innovation
BIM – Progressing to Level 3
BIM – Supply Chain Collaboration

PUSH SIDE – SUPPLY CHAIN

Tier N  Tier3  Tier2  Tier1

E  S  ME
E  S  ME
E

MAC1  MAC2

1  2  3  4  5

1

PULL SIDE–CLIENT

Portfolio Mgt
PPM OPS

PPM OPS

HM Government
Chief Construction Adviser
Summary

- Smart Construction is central to transformation of construction in the UK
- Partnership between industry and Government
- BIM Level 2 mandated for use by 2016
- Adoption by industry progressing well
- Now developing Level 3
- Key contributor to delivering construction projects faster, more efficiently and with greater whole-life value
Thank you