

Enabling collaboration in offsite construction





A Membership Organisation

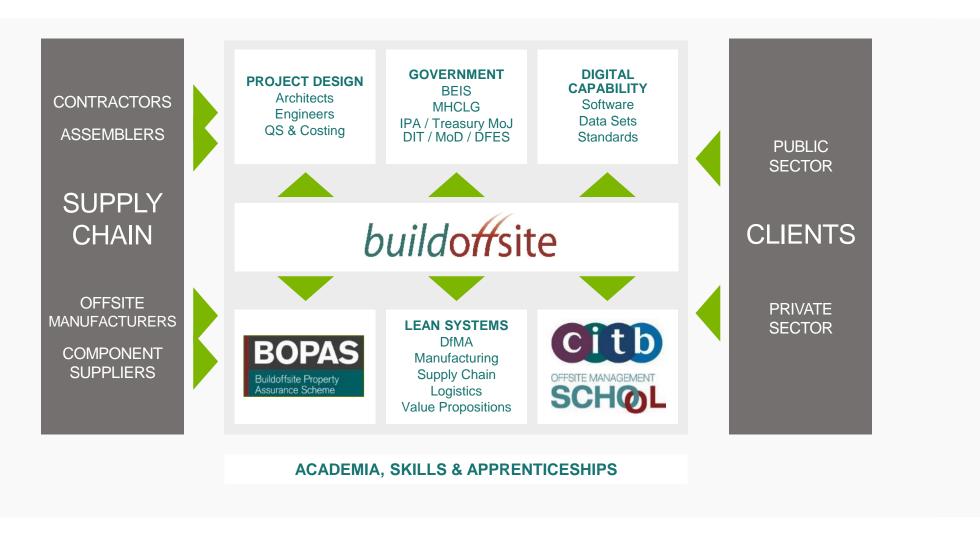
Voice of the UK Offsite Sector

Championing a Capable Offsite Ecosystem

Enabling the construction industry to deliver greater project value

Across the Value Chain









■ The BOPAS Scheme

The market need

The user benefits & value



The Buildoffsite Property Assurance Scheme





























































- Addressing sector labour skills and availability
- Addressing sector performance and defects
- Securing future mortgageability, insurability
- Providing user confidence: Carbon performance
- Accessibility: Database, BIM performance
- Delivering market confidence for the future





The User Benefits & Value



- For the provider
 - Product and process certainty
- For the user
 - Value
 - Predictability of performance
 - Future security of asset
- Brand value
- National assets



Our Industry Challenge: To Deliver the 2025 Construction Targets





Why offsite?







Enabling production not construction









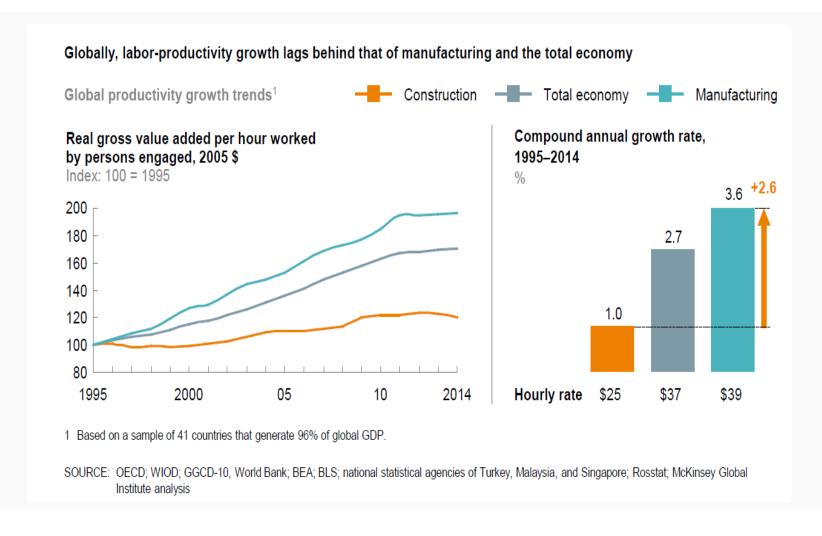
Offsite is not new...





Manufacturing Productivity vs. Construction Productivity







Health & Safety in Construction 2016-17

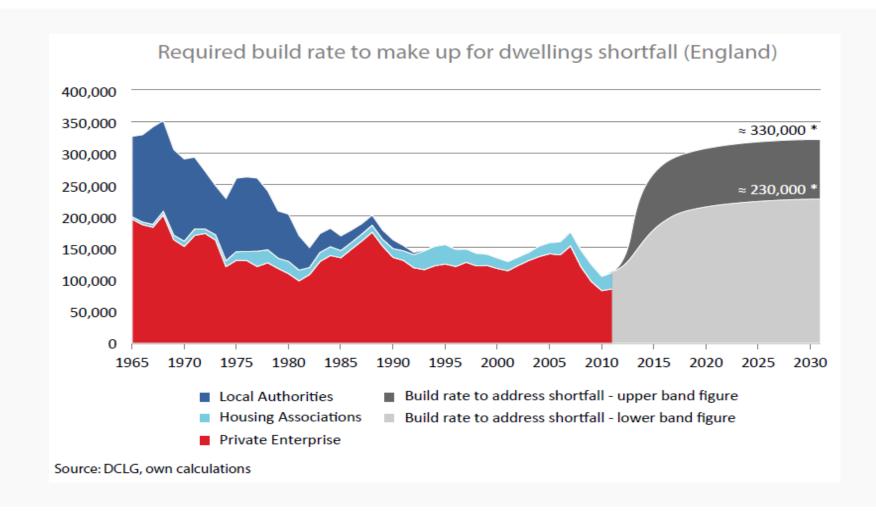


- ■30 deaths on construction sites
- ■526,000 work related illnesses
- ■70,116 non-fatal injuries
- ■7% falls from height
- ■31.2 million work days lost
- ■19 deaths in manufacturing still too many but nearly half that of a construction site



The Housing need

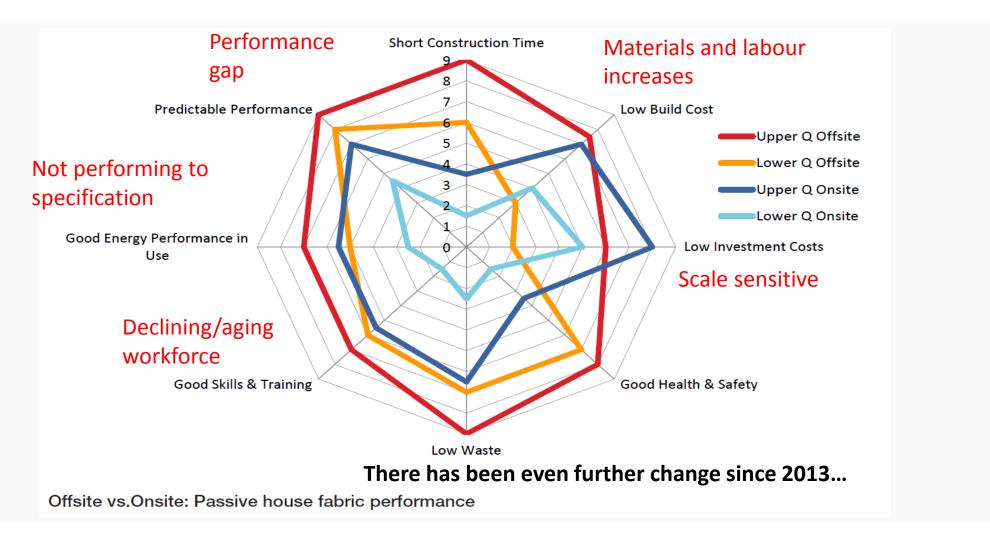






Offsite vs. Traditional

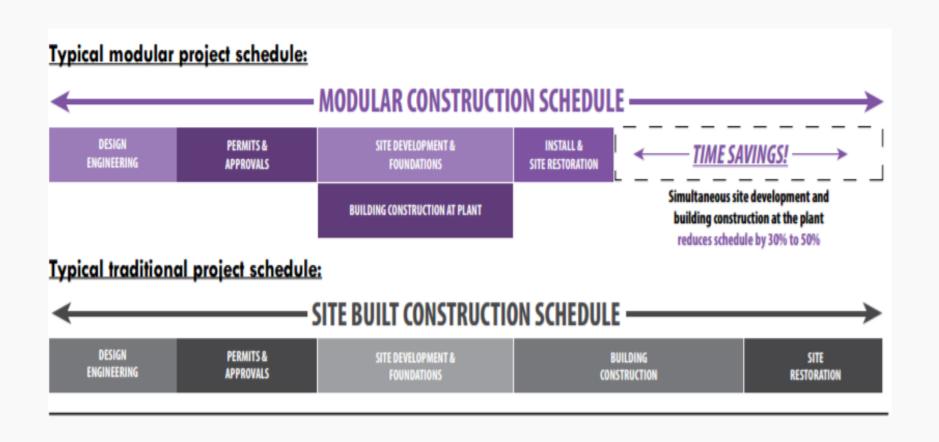




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Offsite vs. Traditional





Source: Modular Building institute annual statistical report Aug 2016 http://www.modular.org/documents/Modular_Advantage/ModularAdvantage_Pub_3-Q_DIGITAL.pdf#26





UKCES says so too...





Example; North West Cambridge Development





Example; Factory in a Box









 Defect-free pharmaceuticals facility developed by Bryden Wood



 Built by 8 ex-Gurkhas using 'factory in a box' – IP free

Example; Dalston Works, London









- Tallest CLT building & by volume the largest CLT project globally; 121 residential units
- Saved 2,400 tonnes of carbon, compared to an equivalent concrete frame
- Its 3,852 cubic metres of CLT entirely make up the external, party/core walls, floors & stairs
- HS1 and Crossrail pass underneath, so CLT perfect for lighter construction weight, enabled smaller foundations & added 2 stories on to the building

Example; Wenlock Road, London







■ The building is a solid CLT structure, manufactured offsite, it uses steel reinforcement where necessary, and is one of the tallest of its kind in Europe





 The innovative CLT hybrid structural strategy, developed by timber and steel specialist B+K Structures, proved the most efficient and sustainable way to achieve the unique 10-storey building





- Provides assurance & insurance of product & process
- We will hear from the other partners in BOPAS to discuss how the scheme works

 Followed by Stelling Modular, who will give of an overview of their journey to accreditation