UK BIM Alliance Update

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BIM is about...

“Delivering better business and customer outcomes by embracing digital technologies and smarter ways of working”

“Having the right information available in the right place at the right time”
The phased roll-out of Building Information Modelling (BIM), resulting in a requirement for **Fully Collaborative 3D BIM** on all centrally-Procured construction contracts by 2016.
Industry in transition

- **Output Based**
  - Paper
    - BIM Level 0
  - 2D/3D CAD / CDE
    - BIM Level 1
  - 3D / Parametric Data / IM
    - BIM Level 2
  - Integrated / Real Time Data
    - BIM Level 3

- **Reduction of waste**

- **Analogue**

- **Digitised**

- **Outcome Based**
UK Government Construction 2025: Strategy

**Lower costs**
33%
reduction in the initial cost of construction and the whole life cost of built assets

**Faster delivery**
50%
reduction in the overall time, from inception to completion, for newbuild and refurbished assets

**Lower emissions**
50%
reduction in greenhouse gas emissions in the built environment

**Improvement in exports**
50%
reduction in the trade gap between total exports and total imports for construction products and materials
Industrial Strategy: Sector Deals

Supported by £170 million of government investment over three years (+£250 million of match funding from industry), the deal will bring together the construction, manufacturing, energy and digital sectors in a new hub to commercialise technologies capable of building assets which are both cost effective and energy efficient.

Construction Sector Deal

Life Sciences Sector Deal

Automotive Sector Deal

Artificial Intelligence Sector Deal

The government and the construction sector, through the Construction Leadership Council, have agreed a Sector Deal to transform the productivity of the sector benefiting the wider economy.

Construction is one of the largest sectors in the UK economy – with a turnover of £370 billion, contributing £138 billion in value added to the UK economy and employing 3.1 million people (9% of the total UK workforce).

The deal will substantially boost the sector’s productivity, through greater investment in innovation and skills, creating new and well-paid jobs and maximising its export potential. This will also reduce the environmental impact, improve the efficiency and reduce whole life cost of new projects and buildings to help build the houses, schools, hospitals and major transport projects we need.
The Centre is bringing together industry, academia and government to explore how digital technologies will be used to improve the built environment and deliver value to the economy.
Harnessing the Power of the Grass Roots
Introducing:

Common understanding; common approach; one voice
Leadership and Coordination at a National Level
BIM Regions UK - Purpose

• Promote the adoption of BIM, associated technologies and collaborative working
• Re-iterate the fundamentals for BIM Level 1 information management
• Promote BIM Level 2 standards and processes (and Level 3 when available)
• Remain software agnostic and promote open standards
• Form collaborative partnerships to promote digital transformation
• Hosting events/workshops throughout the calendar year
• To share ideas/thoughts/suggestions for projects that could be submitted to the Alliance
A Baseline Security Approach

Baseline Guidance on Security
Sarah Davidson, Gleeds
Who needs to do What and When
Baseline Security Process Map
published on UKBIMA website: bit.ly/BIMSecurity
Next steps TBC
Client Data Requirements

Guidance for Client Data Requirements
Nick Tune, Atkins

Guidance & Data Matrix Oct 2017:

bit.ly/ClientDataRequirements

Next: Infrastructure
UK Training & Certification

State of the Nation
Martin Simpson, University of Liverpool
Director for CDBB
Draft report publication due out 2018
Legal and Contractual

Legal and Contractual Barriers to BIM
May Winfield, Carillion & Sarah Rock, Gowling WLG
Current understanding?
Report in Production
BIMShowLive 2018 launch WRR
BIM4Legal Launch April 2018
A Fresh Way Forward for Product Data

New project
Inclusive, independent approach
First meeting 10 Jan 2018
Working Group planned
UKBIMA in leadership role
Standard Product Data Templates
Get Involved – Key Contacts

Communities Groups Bi-Annual
next meeting: June, Leeds/Manchester

Alliance Forum Quarterly
next meeting: March, London

Alliance Newsletter [bit.ly/UKBIMAnews]

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Agenda

5.30 – 6.00 : Registration / Networking
6.10 – 6.30 : Introduction and “UK BIM Alliance update” (Jason Whittall - Chair)
6.35 – 6.55 : BIM Level 2 Maturity: (Fiona Moore)
7.00 – 7.20 : Contract Drafting and BIM (Tim Willis)
7.45 – 7.55 : PAS1192-6 Health & Safety using BIM (Peter Nicholas)
8.00 : Question and answer / discussion / Networking

With thanks to ASSA ABLOY