

# UK BIM Alliance Update

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**Director - One Creative Environments Ltd**

**Chair - West Midlands BIM Region**

# BIM is about...

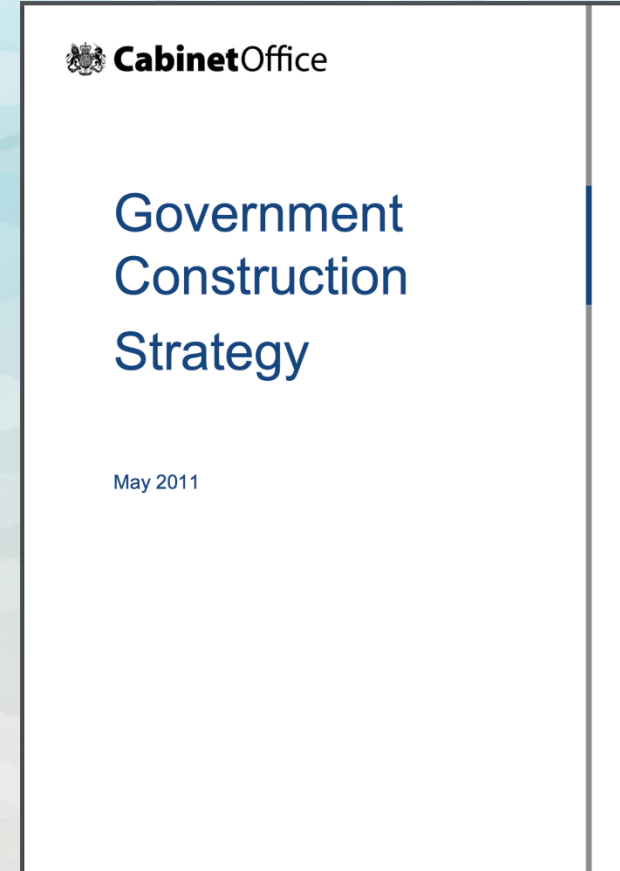
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**“Delivering better business and customer outcomes by embracing digital technologies and smarter ways of working”**

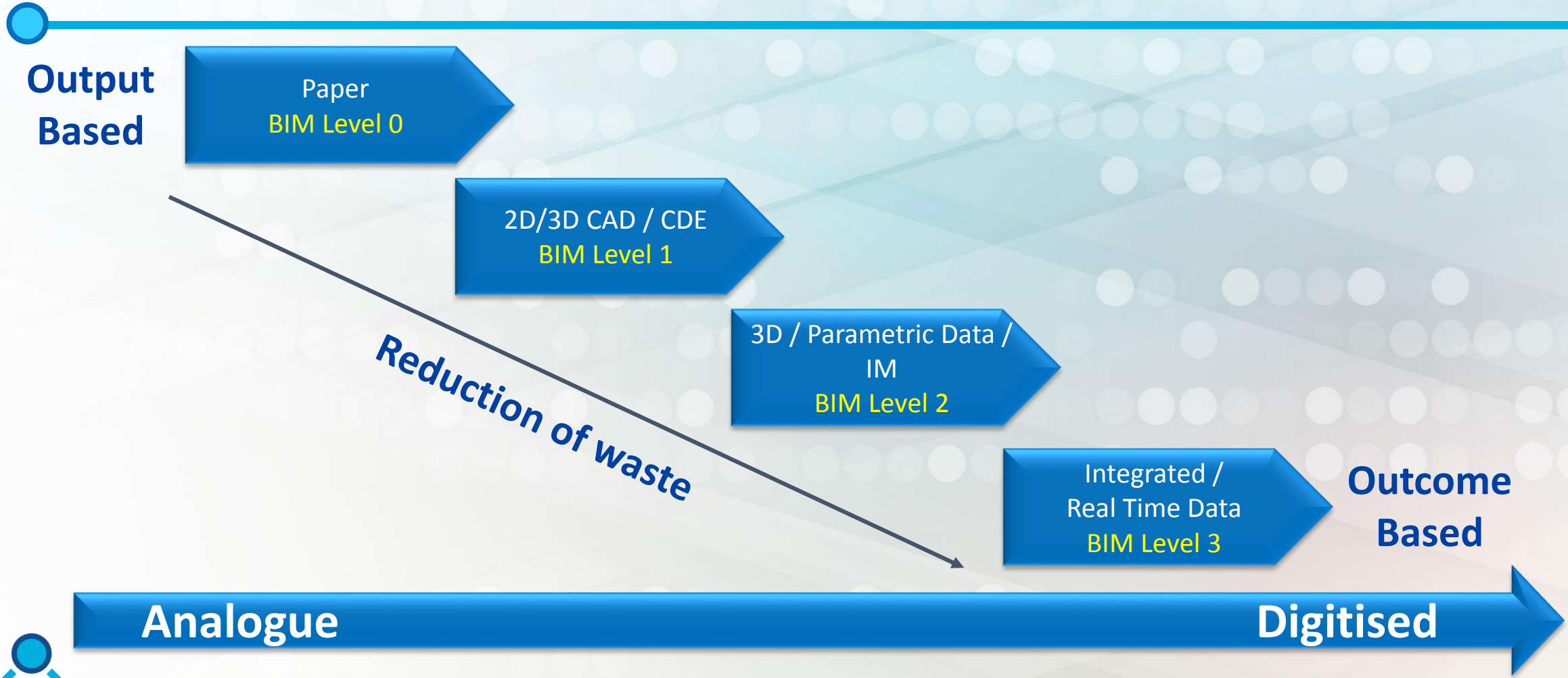
**“Having the right information available in the right place at the right time”**

# UK Government Construction Strategy 2011

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



# 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



Department for  
Business, Energy  
& Industrial Strategy

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

## Construction 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.

# Centre for Digital Built Britain



Department for  
Business, Energy  
& Industrial Strategy



UNIVERSITY OF  
CAMBRIDGE



**"LIKE ANY COMPLEX PROGRAMME, PARTICULARLY ONE LOOKING TO THE FUTURE, THE CHALLENGES ARE PARTLY AROUND PREDICTING WHAT THAT FUTURE WILL HOLD AND HOW TECHNOLOGIES WILL EVOLVE."**  
- PROFESSOR ANDY NEELY,  
UNIVERSITY OF  
CAMBRIDGE

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



BIM 4 WATER



**BIM4  
FitOut**



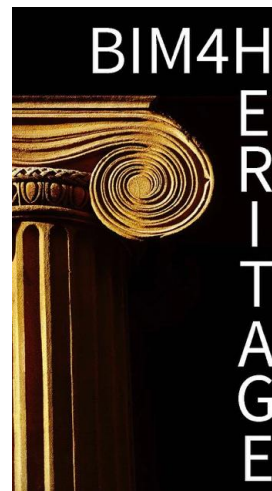
**BIM4**  
sme

**BIM4M2**

**Wi3**



**BIM4**  
INFRASTRUCTURE UK



**BIM4**  
HOUSING

**BIM4**  
DC

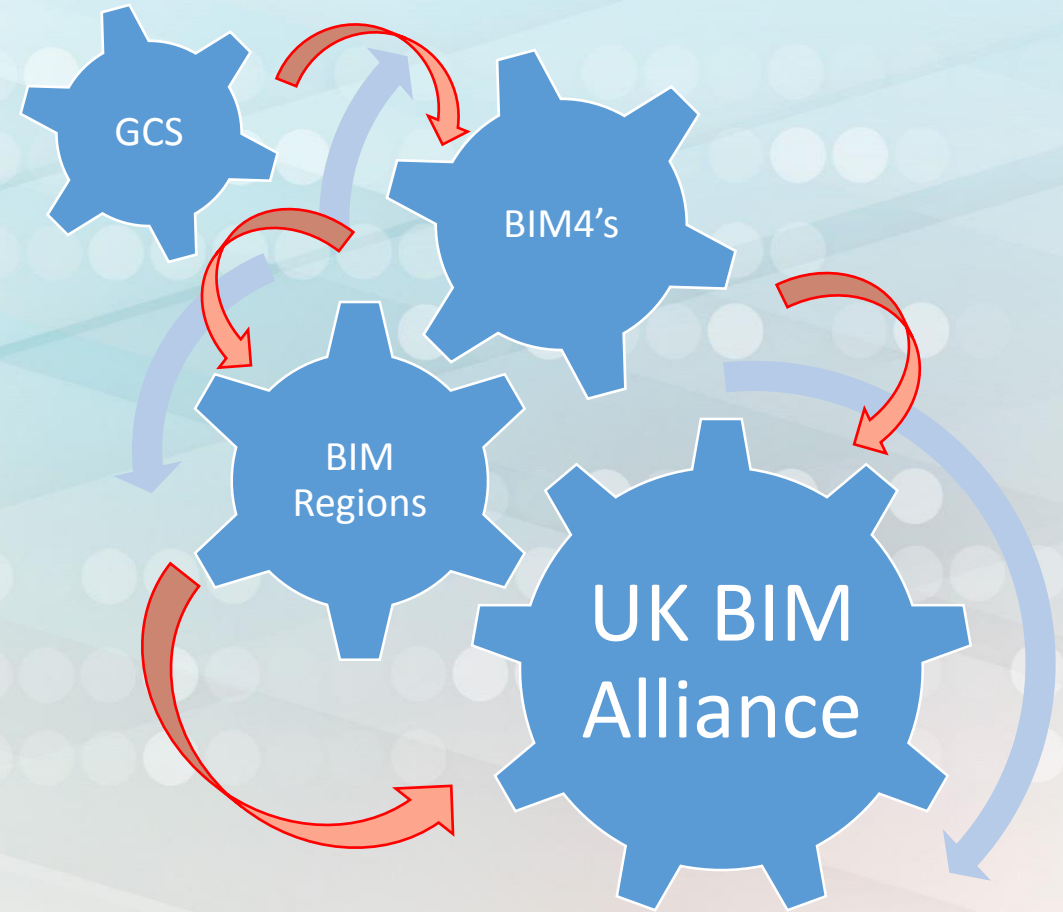




# Introducing:



# UK BIM ALLIANCE



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](http://bit.ly/BIMSecurity)

Next steps TBC





# Client Data Requirements

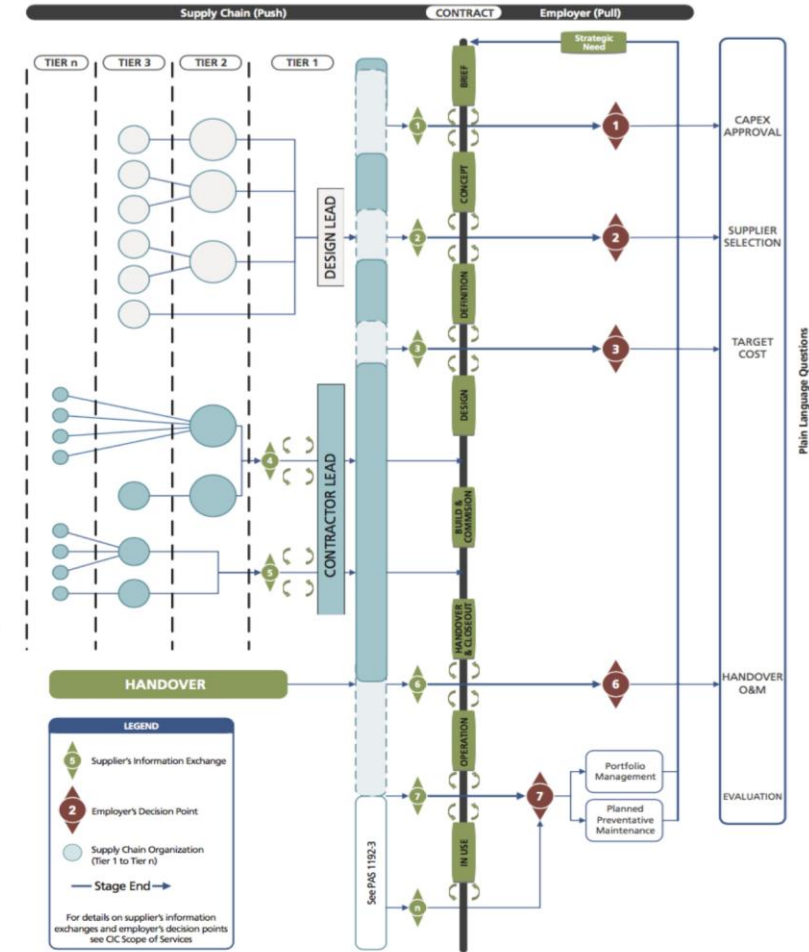
Guidance for Client Data Requirements

Nick Tune, Atkins

Guidance & Data Matrix Oct 2017:

[bit.ly/ClientDataRequirements](http://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



**BRE Academy : BIM Level 2 training from BRE Academy**

<https://www.bre.co.uk/academy/page.jsp?id=3516>

Here at BRE Academy we have worked closely with some of the UK's leading BIM experts to develop comprehensive BIM Level 2 training to ensure that you are BIM ready.  
BIM Fundamentals · BIM Training Stage 2: BIM PIM ...

**BRE Academy : BIM training stage 1: BIM Fundamentals**

<https://www.bre.co.uk/academy/page.jsp?id=3517>

This is the foundation course, or Stage 1, of our BIM Level 2 training pathway. BIM Level 2 Fundamentals provides the fundamental knowledge essential for understanding the terminology, technology and principles of BIM Level 2 and is therefore a prerequisite for all subsequent BIM training. The course runs over two days ...

**BIM Training Courses | BSI Group**

<https://www.bsigroup.com/en-GB/our-services/training.../BIM-training-courses/>

Building Information Modeling (BIM) is more than just working in a digital environment. It's about ensuring teams have the relevant knowledge and capabilities to achieve best practice and the continued drive to commit to it. Developed in conjunction with leading industry consultants and trends, our BIM training courses ...

**BIM Courses - ICE Training**

<https://www.icetraining.org.uk/courses/building-information-modelling-bim/>

Building Information Modelling (BIM) training courses from ICE Training, delivered by leading industry experts.

**Building Information Modeling Training – BIM Training Courses**

<https://www.academyclass.com/training/autodesk/building-information-modelling/>

We offer Autodesk building information modeling training courses that assures you a pleasing learning experience. Make the most of this educational journey.

29 Jan - 31 Jan **Beginner Revit Course** Academy Class, London ...

29 Jan - 2 Feb **Revit Certification** Academy Class, London ...

15 Feb - 16 Feb **Beginner Navisworks Course** Academy Class, London ...

**BIM - Online Courses, Classes, Training, Tutorials on Lynda - Lynda.com**

<https://www.lynda.com/BIM-training-tutorials/1293-0.html>

Find exactly what you want to learn from hundreds of how-to videos about BIM, taught by industry experts.



# 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

BIM News

### BIM: Do the lawyers get it?

January 18, 2018



# BIM4LEGAL



# A Fresh Way Forward for Product Data

**New project**

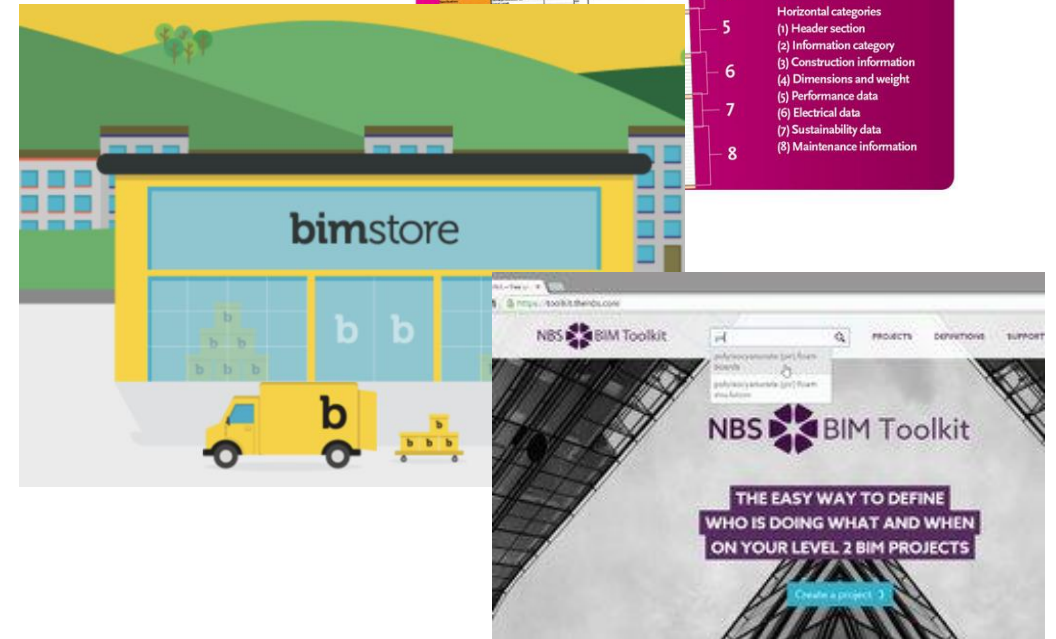
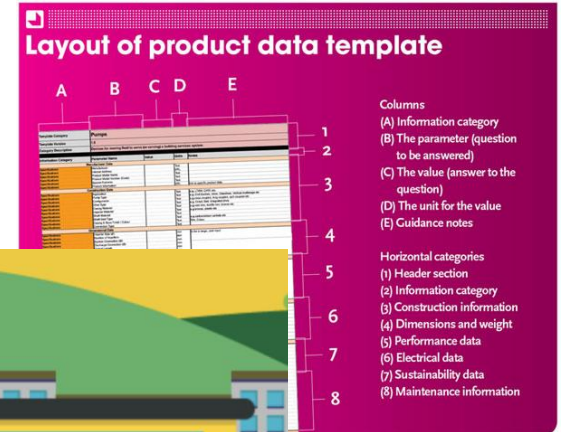
**Inclusive, independent approach**

**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](http://bit.ly/UKBIMAnews)

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[www.ukbimalliance.org](http://www.ukbimalliance.org)

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Communications: Pam Bhandal

[pam@pambhandal.com](mailto:pam@pambhandal.com)

West Midlands BIM Region: Jason Whittall

[BIMRegionsWM@gmail.com](mailto:BIMRegionsWM@gmail.com)

# 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)
- 7.25 – 7.45 : Essential Employer BIM documentation (Neil Marshall)
- 7.45 – 7.55 : PAS1192-6 Health & Safety using BIM (Peter Nicholas)
- 8.00 : Question and answer / discussion / Networking

*With thanks to*

**ASSA ABLOY**