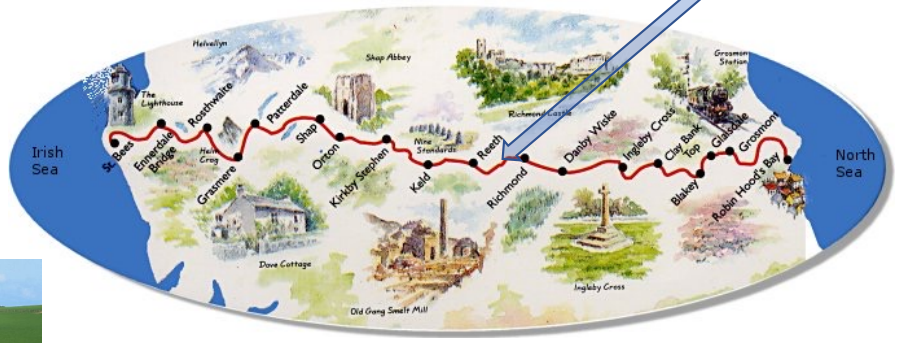
Where am I?

……. Wainwright's Coast to Coast 190 mile walk

With luck, I'm here!



….. In prep for 630 mile charity walk along South West Coastal Path, April/May 2022

The Future is NOW

Anne Kemp
Casey Rutland

So firstly… what is BIM?

At its very simplest, BIM is a PROCESS;

Of defining, creating and delivering structured data and documents…

Making the right information available to the right person at the right time…

For the lifecycle of built environment asset

10 things you need to know about the UK BIM Alliance

It's YOU, the industry.

With projects managed by the Exec Team

It's open.
Anyone can be a part of it.

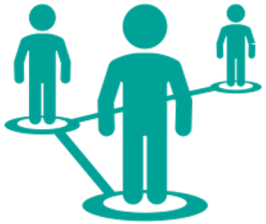
It's funded by Patrons & Strategic Partners.

To promote BIM as 'business as usual'.

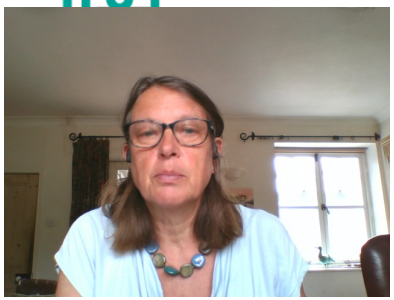
There's a regional hub near YOU.

Or a BIM4 group specific to YOU.

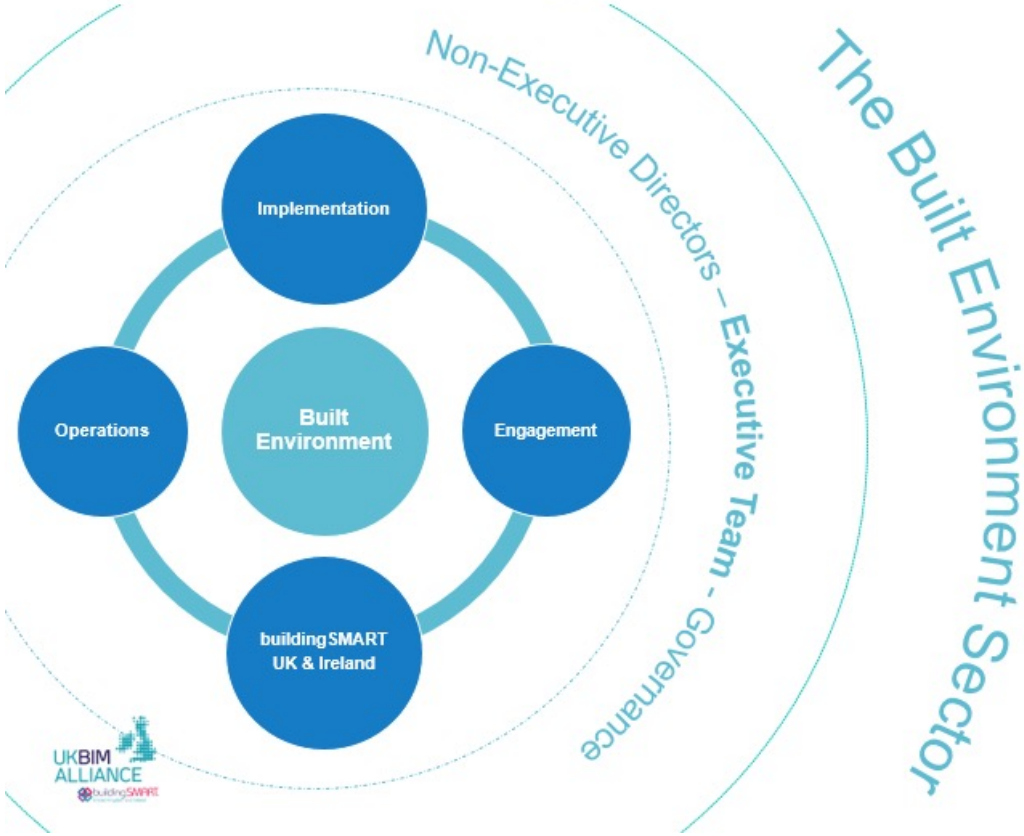
Look out for our Ambassadors!



And connect with others.



UK BIM Alliance Organisation Chart



Engagement
- Communities
- Affiliates
- Patrons
- Ambassadors
- Technology Group
- Supporters

Implementation
- ISO 19650 Guidance
- Projects

buildingSMART UK & Ireland
- Local chapter
- Knowledge rooms

Operations
- Finance
- Secreta

Platinum Patrons

AMCBRIDGE

ATKINS
Member of the SNC-Lavalin Group

Bentley

Department for Business, Energy & Industrial Strategy

HS2

man machine

SERVICE WORKS GLOBAL
ADDNODE GROUP

SYMETRI
ADDNODE GROUP

Tilbury Douglas

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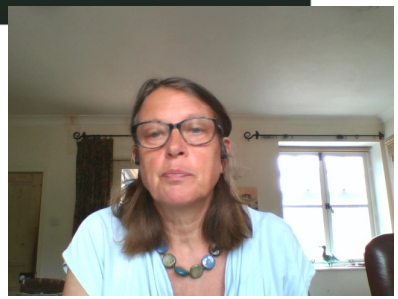
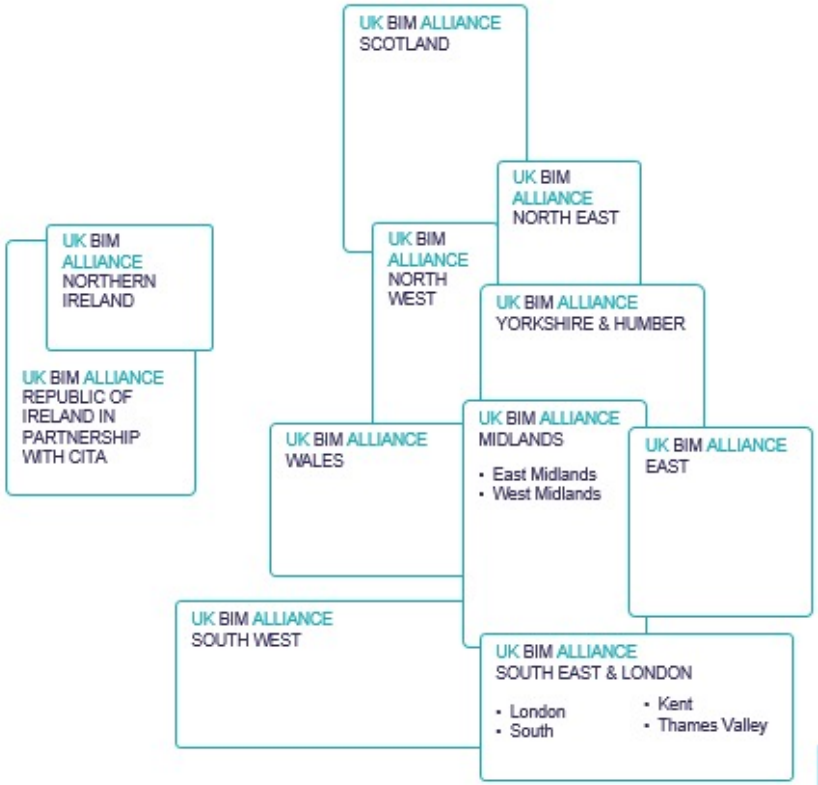
https://www.ukbimalliance.org/patrons/



Engagement: UKBIMA Communities



- BIM4Security
- BIM4Water
- Survey4BIM
- BIM4HAs (Housing Associations)
- WIB (Women in BIM)
- BIM4FM (Facility Management)
- BIM4H&S (Health & Safety)
- Behaviours4Collaboration
- BIM4Housing
- BIM4Heritage
- BIM4Design
- BIM4Health
- BIM4Estates
- BIM4Legal
- BIM4Rail

UKBIM ALLIANCE

communities@ukbimalliance.org

Engagement: UK BIM Alliance Ambassadors

Dan Rossiter
BSI

Marzia Bolpagni
Mace

Vicki Reynolds
i3PT Certification

Rick Hartwig
The IET

Paul Wilkinson
PWcom

David Philp
Construction Innovation Hub

May Winfield
BuroHappold

Patricia Massey
Electrium

Emma Hooper
Bond Bryan Digital

Mark Enzer
National Digital Twin Programme

Louise Kelly
Invicara

Andrew Gamblen
Willmott Dixon

Ray Purvis
Atkins

David Chur
Hitherwood Co

UKBIM ALLIANCE

https://www.ukbimalliance.org/ambassadors/

Take the first fundamental step on your digital transformation journey…

- ✓ Trusted independent leadership
- ✓ Mobilising the community
- ✓ Enabling practical implementation
- ✓ Common understanding, common approach, one voice

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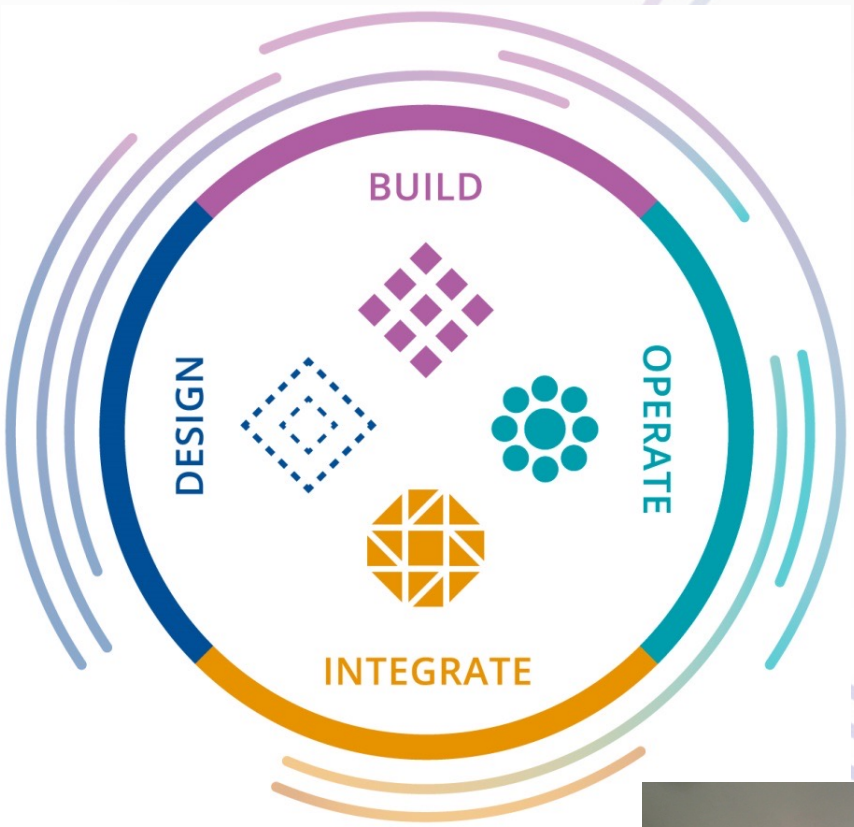
UK BIM FRAMEWORK

bsi. cdbb Centre for Digital Built Britain UKBIM ALLIANCE Enabling Digital Transformation

UK BIM FRAMEWORK

The overarching approach to managing information throughout the whole life of assets making up the built environment, using the ISO 19650 framework within a UK context



UK BIM FRAMEWORK

ISO 19650
Guidance Part 1
Concepts

ISO 19650
Guidance Part 2
Delivery phase

ISO 19650
Guidance Part 3
Operational phase

ISO 19650
Guidance Part 4
(To be confirmed)

ISO 19650
Guidance Part 5
(To be confirmed)

ISO 19650 Guidance A

The information management function & resources

ISO 19650 Guidance B

Open data, buildingSMART and COBie

ISO 19650 Guidance C

Facilitating the CDE (workflow and technical solutions)

ISO 19650 Guidance D

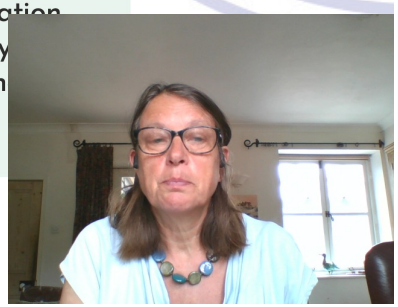
Developing information requirements

ISO 19650 Guidance E

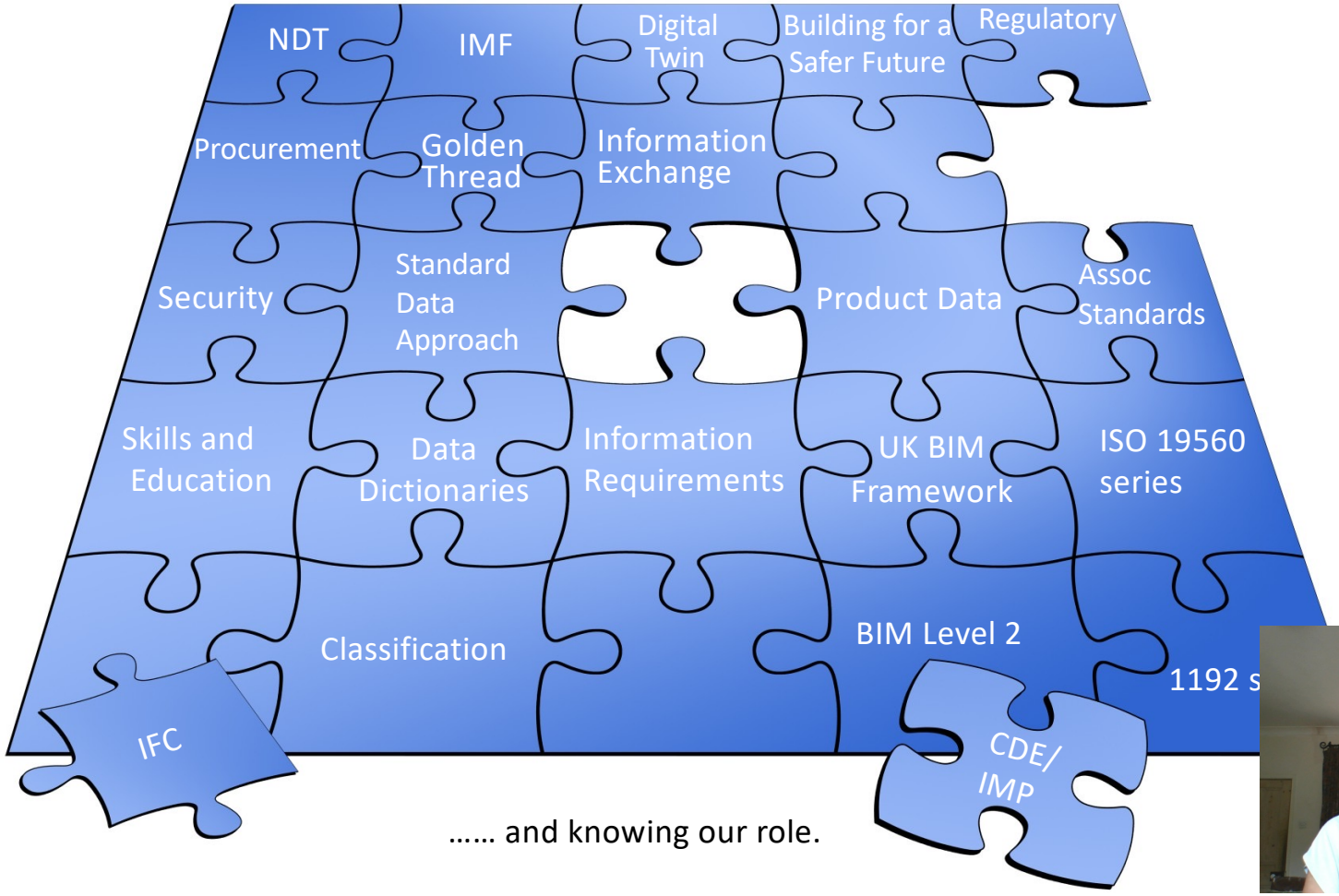
Tendering and appointments

ISO 19650 Guidance F

Information delivery plannin



Assembling the pieces of the jigsaw that play a part in digital transformation of the UK's built environment:
What to include, what is missing …..



…… and knowing our role.

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The Future is NOW

CitA
21st September 2021

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@caseyrutland
@digitalgreen_io

Casey D Rutland

BA(Hons)Arch. Pg.Dip.Arch. ARB

Twitter: @caseyrutland

Founder
digitalgreen.io

Architect

Engineer influenced
Data lover
Technology advocate
I get a kick of out legal speak
Equality, Diversity & Inclusion champion
BREEAM Assessor
Scrum Master, Product Owner & Trainer
Author, lecturer & blogger

UKBIM ALLIANCE
Enabling Digital Transformation
Vice Chair – UK BIM Alliance

buildingSMART International
Chair – buildingSMART UK & Ireland

bsi.
Drafting committee – B/555

#BIMOpenMic
Founder & Compère

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We've come a LONG way…

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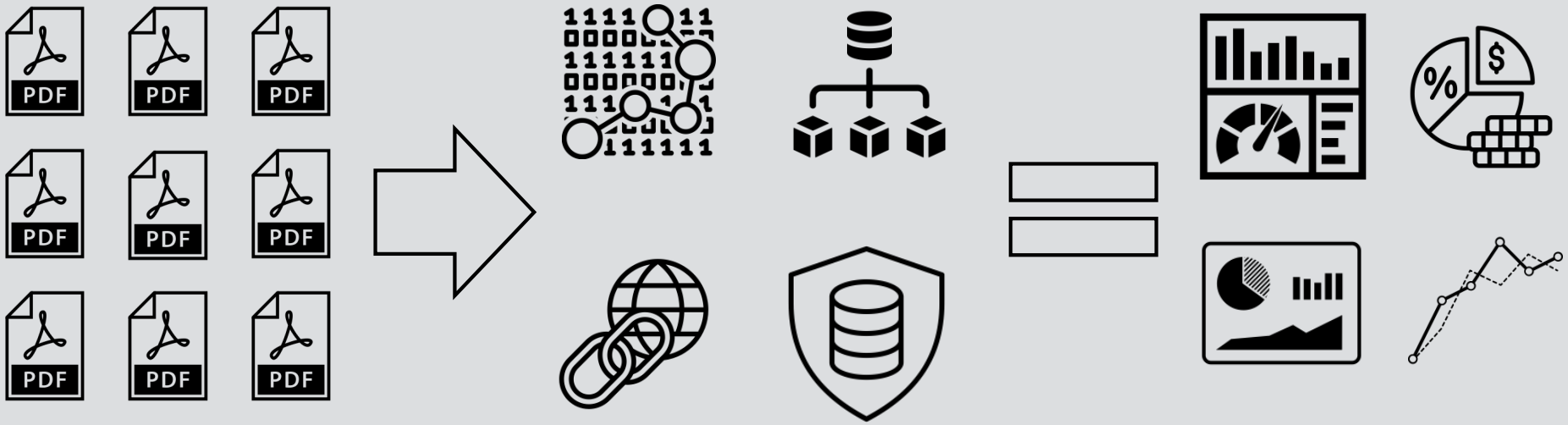
Let's increase industry maturity…



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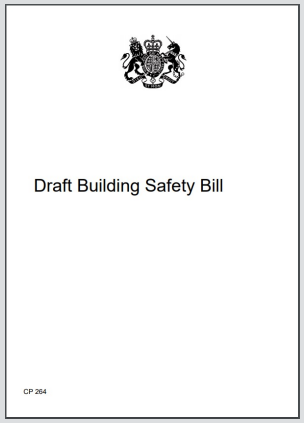
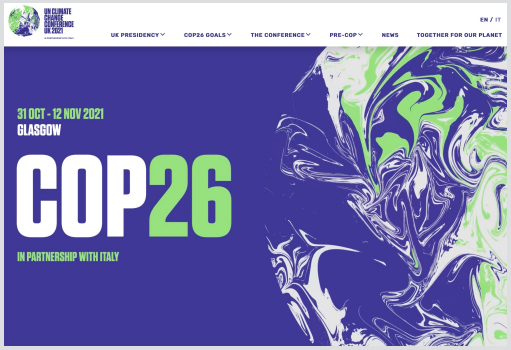
The demand is there…

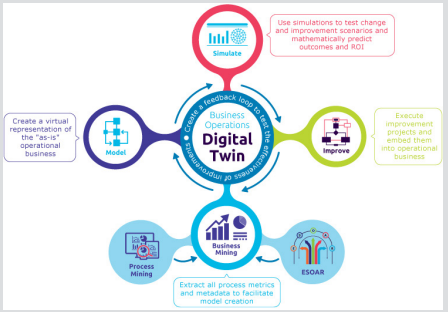


Building Safety Bill

(Social) Infrastructure



Sustainability



Digital Twins

…and increasing.

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So how do we make these things a reality? (& a successful one)

Embrace progress so far. Focus on good quality, secure, interoperable data.

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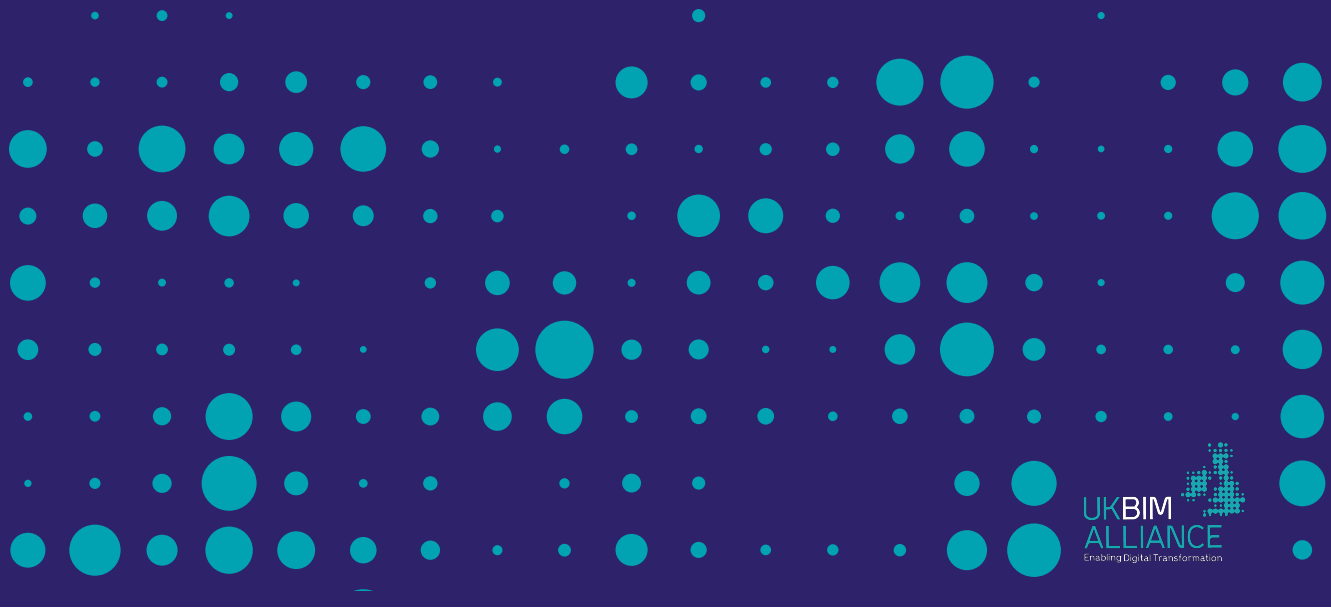
Information interoperability is key.

Interoperability Definition:

'the ability of two or more systems to securely exchange information and to use the information that has been exchanged'

- Information for a defined purpose
- Information exchanged digitally across the contract line
- Information use during the whole asset lifecycle

buildingSMART UK & Ireland



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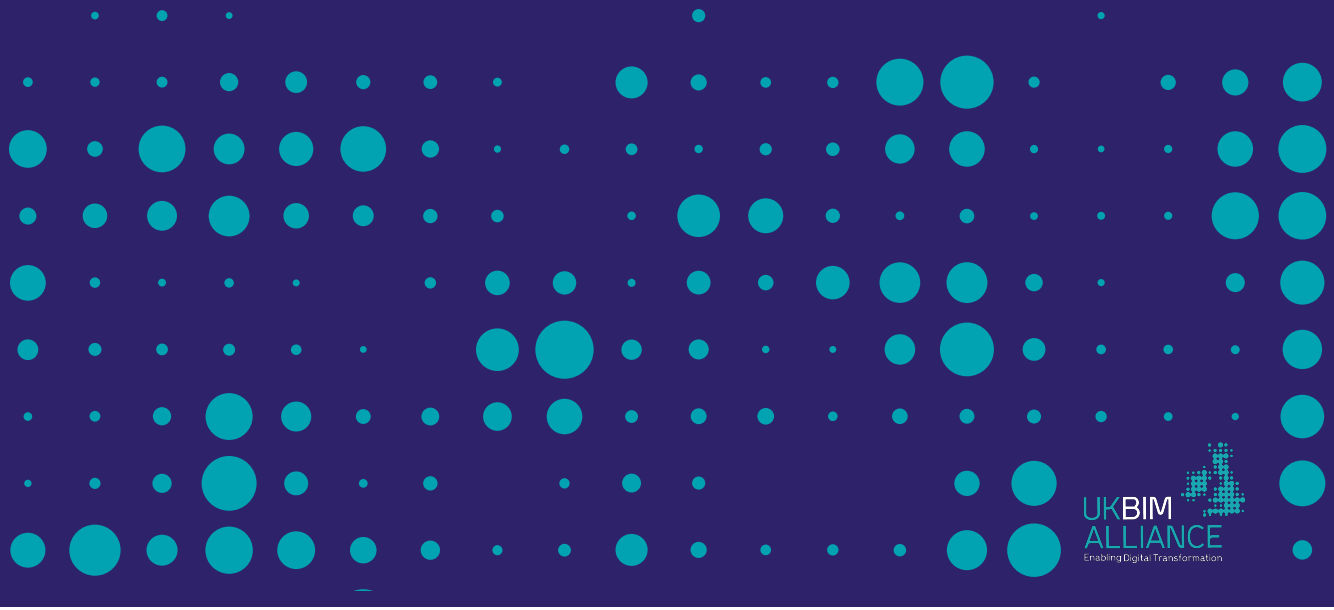
Enabling Digital Transformation

‘What’ are we? (Chapter organisation)



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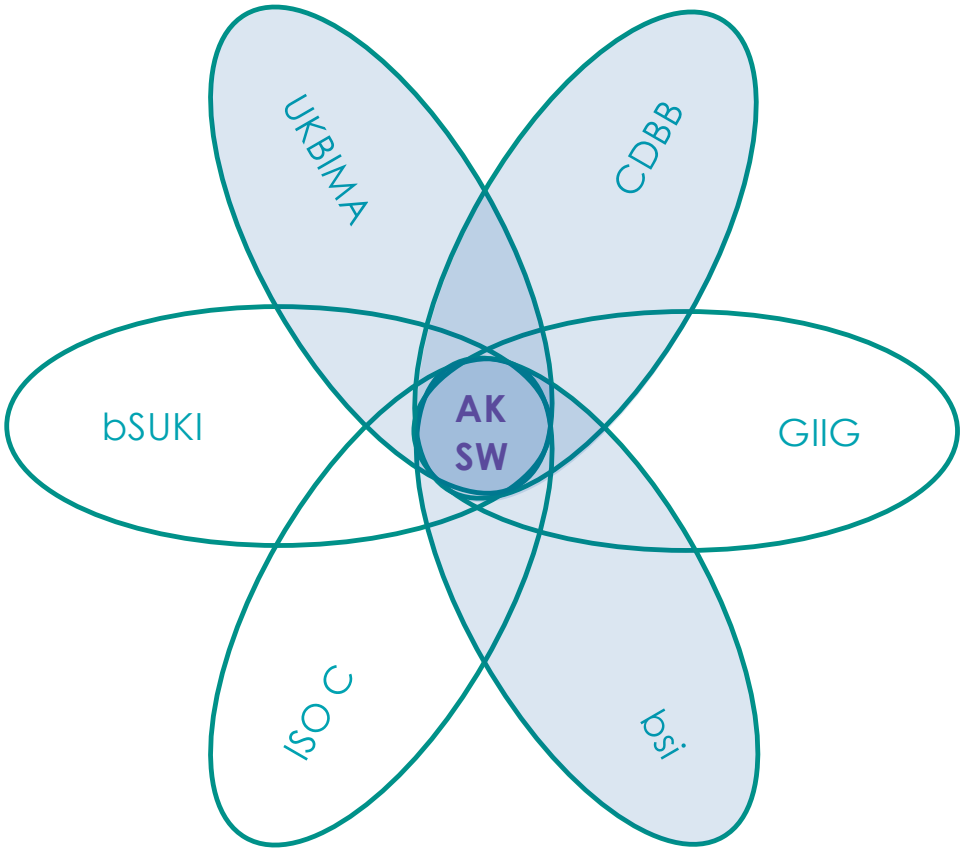
Enabling Digital Transformation

UK BIM Alliance Organisation Chart

#bSUKI

#bSUKI



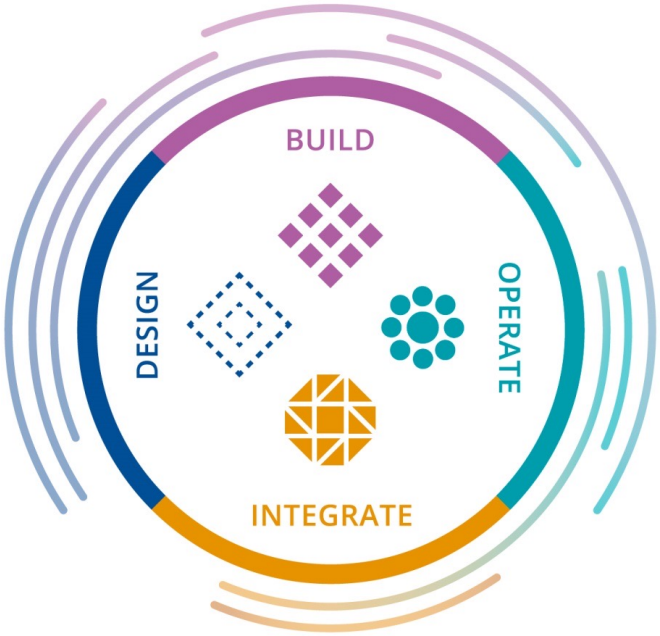
Key

bSUKI	buildingSMART UK & Ireland
UKBIMA	UK BIM Alliance
CDBB	Centre for Digital Built Britain
GIIG	Gov & Industry Interoperability Group
bsi	British Standards Institute
ISO C	ISO 19650 Convenor
AK SW	Anne Kemp Super Woman

#bSUKI

UK BIM FRAMEWORK

bsi. cdbb Centre for Digital Built Britain UKBIM ALLIANCE Enabling Digital Transformation



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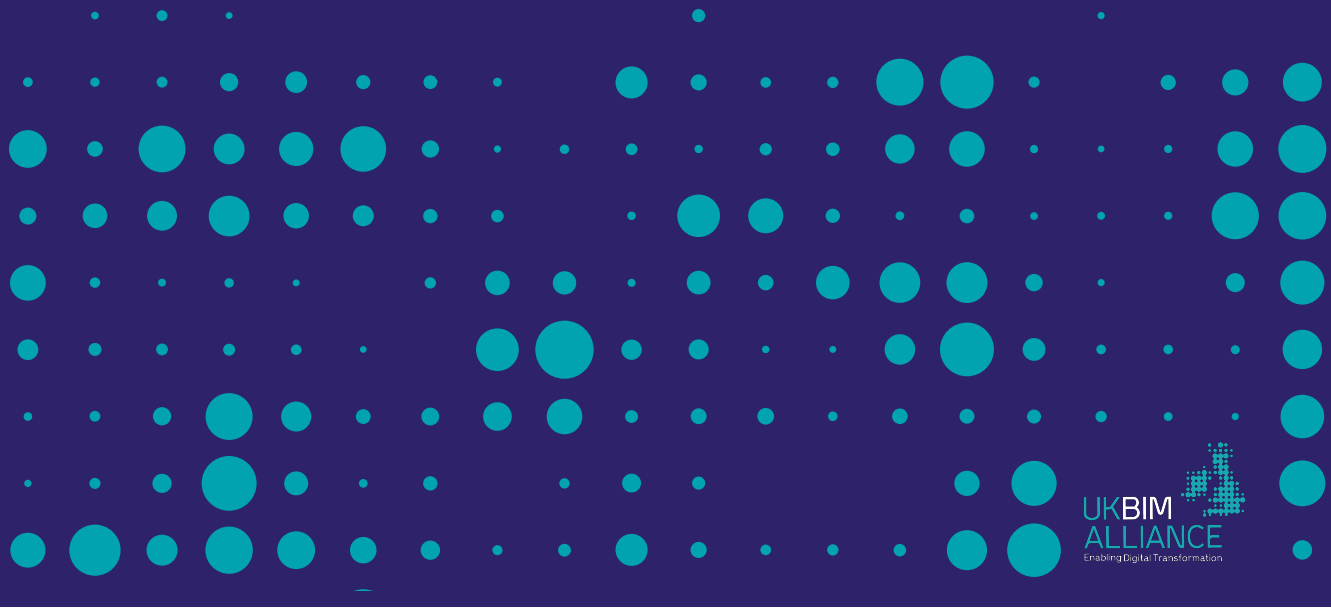
UKBIM ALLIANCE

Back to the Chapter!



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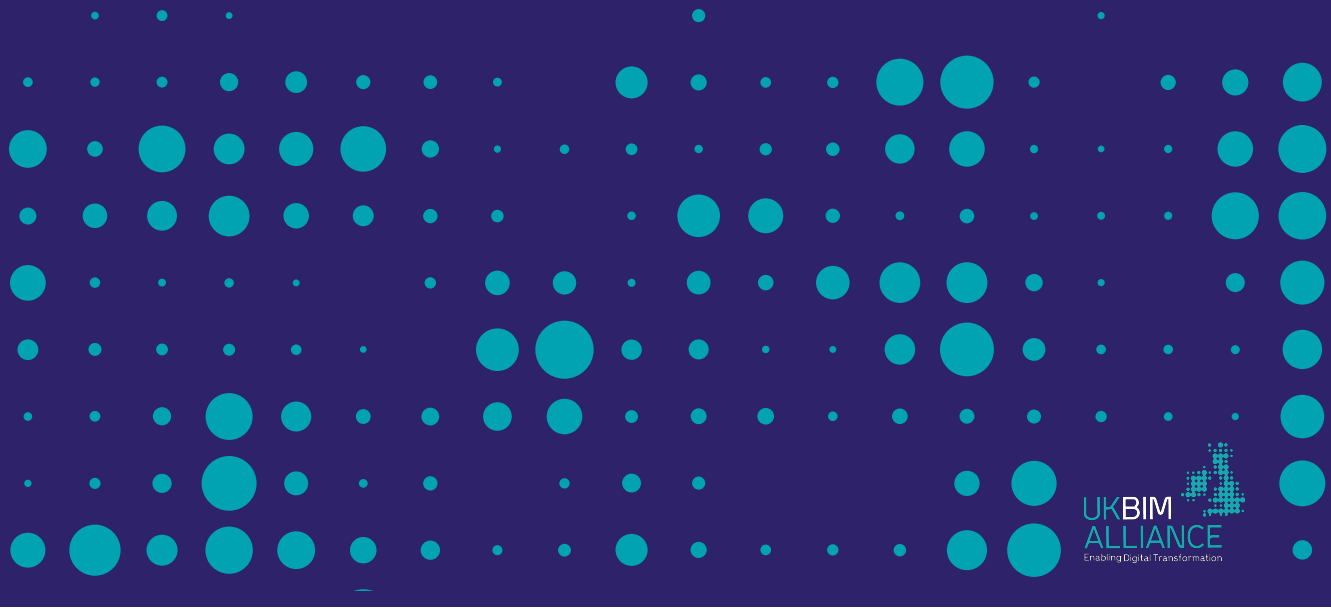
How we've grown...



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Enabling Digital Transformation

2019 Committee

#bSUKI

Anne Kemp (& David Glennon)

Chair

Nick Nisbet

Vice Chair

Key people today

#bSUKI

Casey D Rutland Chair	Nick Nisbet Vice Chair	Emma Hooper Business Manager	David Owens Business Manager	Aysar Abou Kheir Business Manager
Tim Davies Business Manager	Phil Read Business Manager	Lawrence Chapman Business Manager	Stephen Holmes Finance	
John Egan Business Manager	Martin Simpson Business Manager	Trish Massey Business Manager	Mia Dibe Business Manager	Marek Suchocki Business Manager

Dan Rossiter
Steering Group

The bSUKI four V's

#bSUKI

Vast.

Awareness
Engagement
Communication
Commitment

Vibrant.

Encouragement
Applicable
Support
Enthusiasm

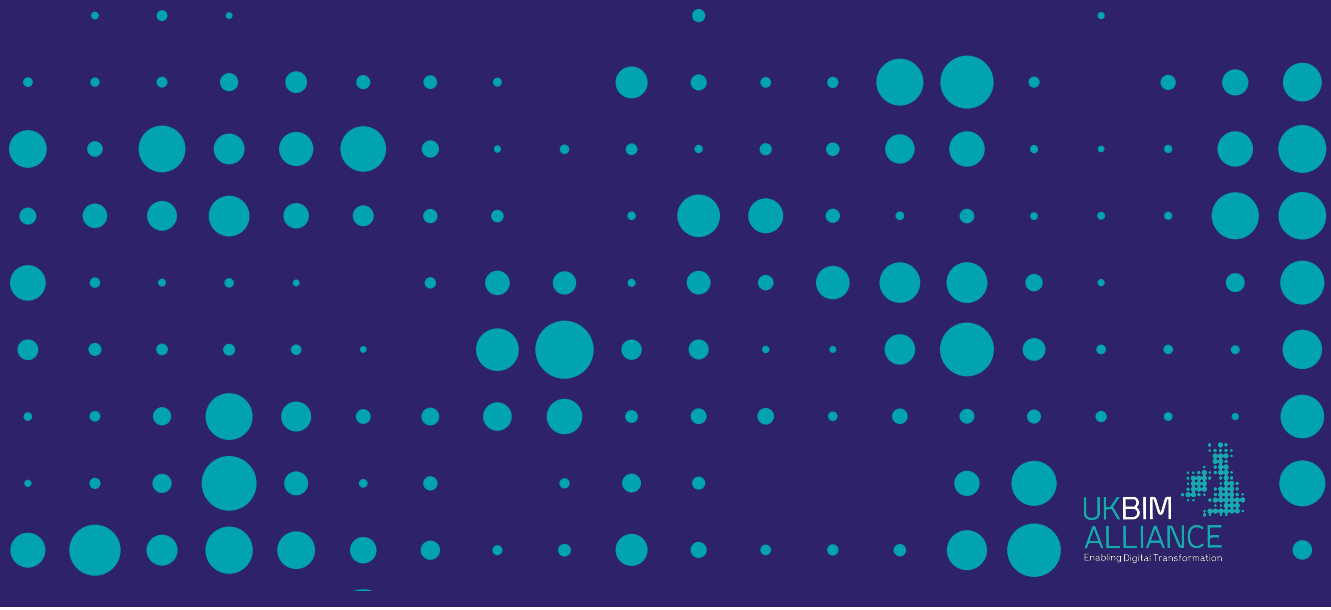
Vital.

Being productive
Meeting industry needs
Having a voice
Concise

Valuable.

Represent the UK& Ireland
Targeted involvement
Timely advice
Not just for 'experts'

Room Representation



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Room Coordinators

#bSUKI

Room	Lead	Co-Leads	
Airport			
Building	Martin Simpson	Emma Hooper	Mia Dibe
Construction	Tim Davies	Aysar Abou Kheir	
Infrastructure	David Owens	Marek Suchocki	
Product	Trish Massey		
Railway	Lawrence Chapman	Marek Suchocki	
Regulatory	Nick Nisbet		
Technical	John Egan	Martin Simpson	

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Use cases

Use cases help both the customer and the contractor in defining the BIM goals of a project.

In a subsequent step, the specific information exchange requirements are created.

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Use case examples can include:

Asset Registry. Prefabrication of pipes. Maintenance & Repair. Concept Approval. Building programming. Regulatory Compliance. Embodied Carbon calculation. Costing.

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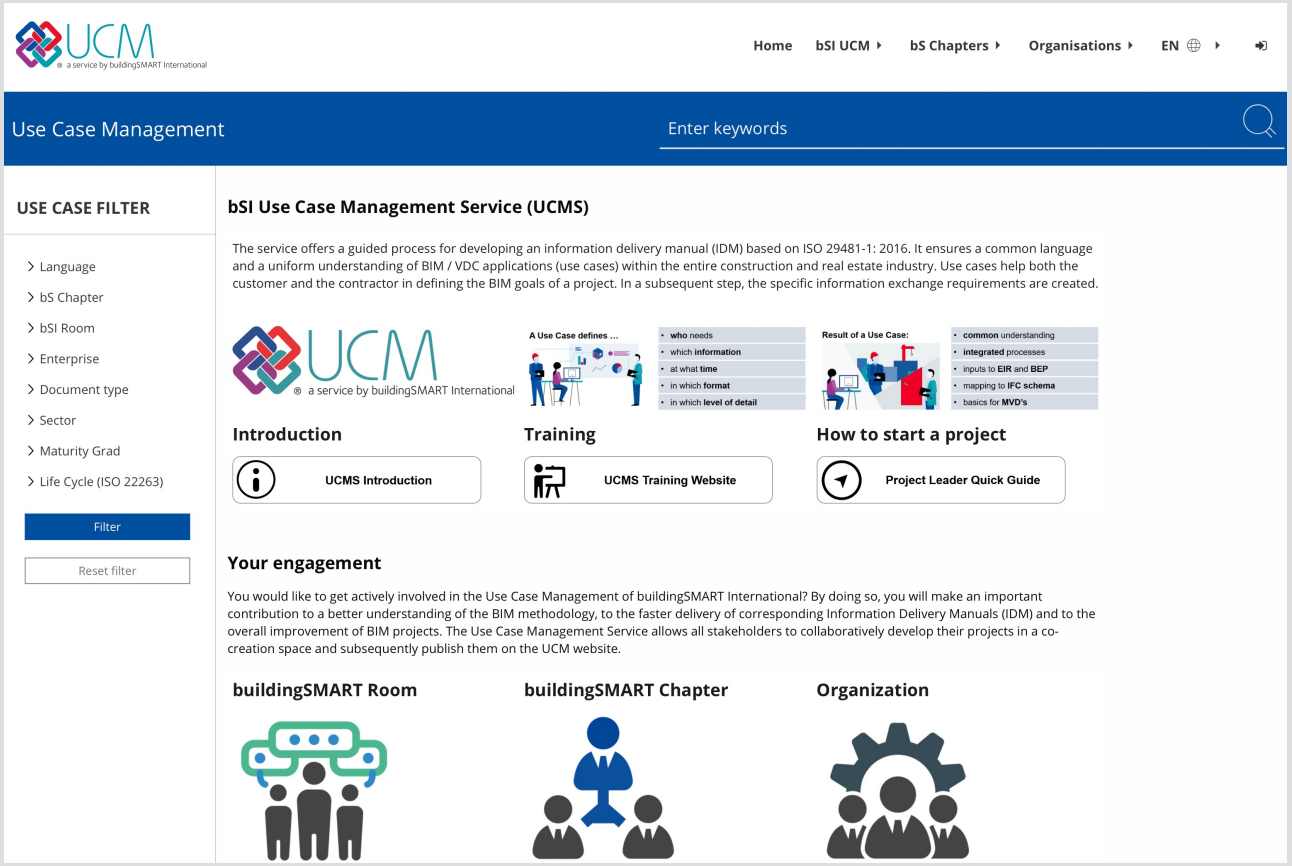
Use case management tool.



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The benefits for the built asset industry are:

- greatly enhanced collaboration for project delivery
- better asset management
- access to BIM data created during design for the whole life cycle of the built asset.
- extended breadth and depth of BIM deliverables by creating common alignment and language by adhering to international standards and commonly defined work processes.
- facilitates a common data environment that provides opportunities for users to develop new workflows, software applications and technology automation.
- enables an accessible digital twin which provides the core foundation to a long-term data strategy for built assets

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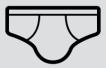
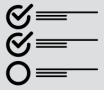
By focussing on ‘data’, we…

Comprehensive brief 

Task lists 

Reminders

Automated checking

Consistency

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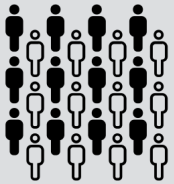

BIM is relevant to ALL sectors, disciplines and people in our industry.

There are EFFICIENCIES to be found everywhere.

It's NOT going away.

There is MONEY to be saved & made.

Now is the optimum time to ready yourselves.

People are DOING it already.

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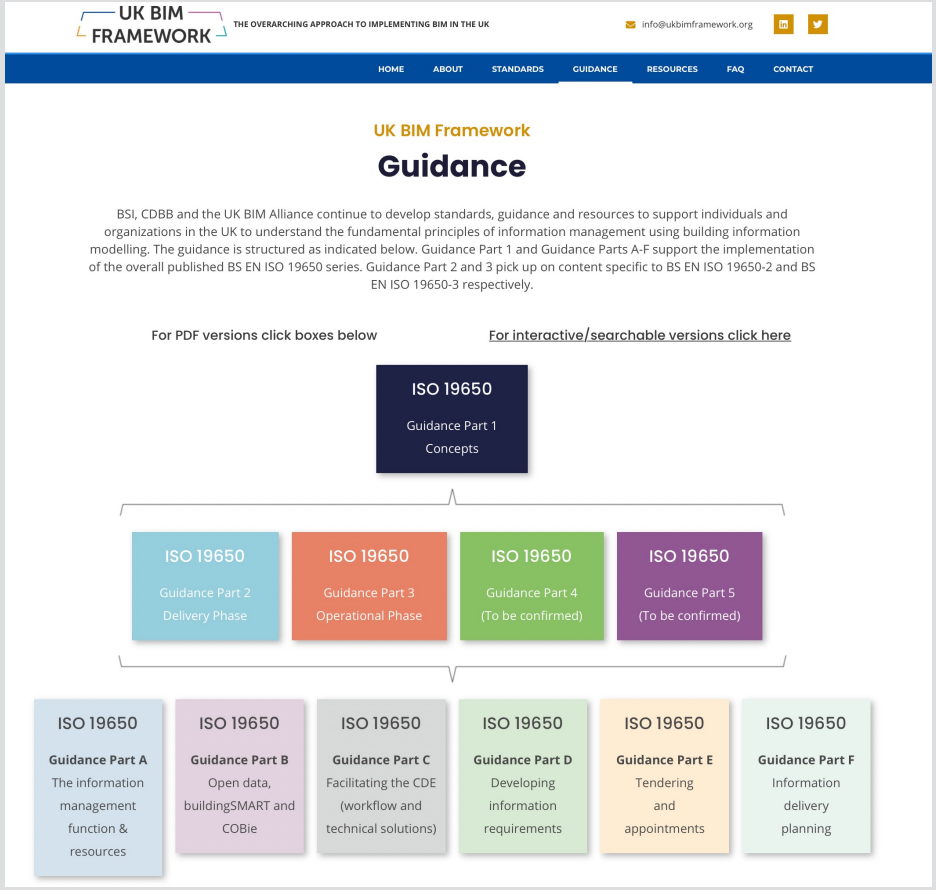
Where should you start?



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Thank you.

If you have any questions, please don't hesitate to contact me.