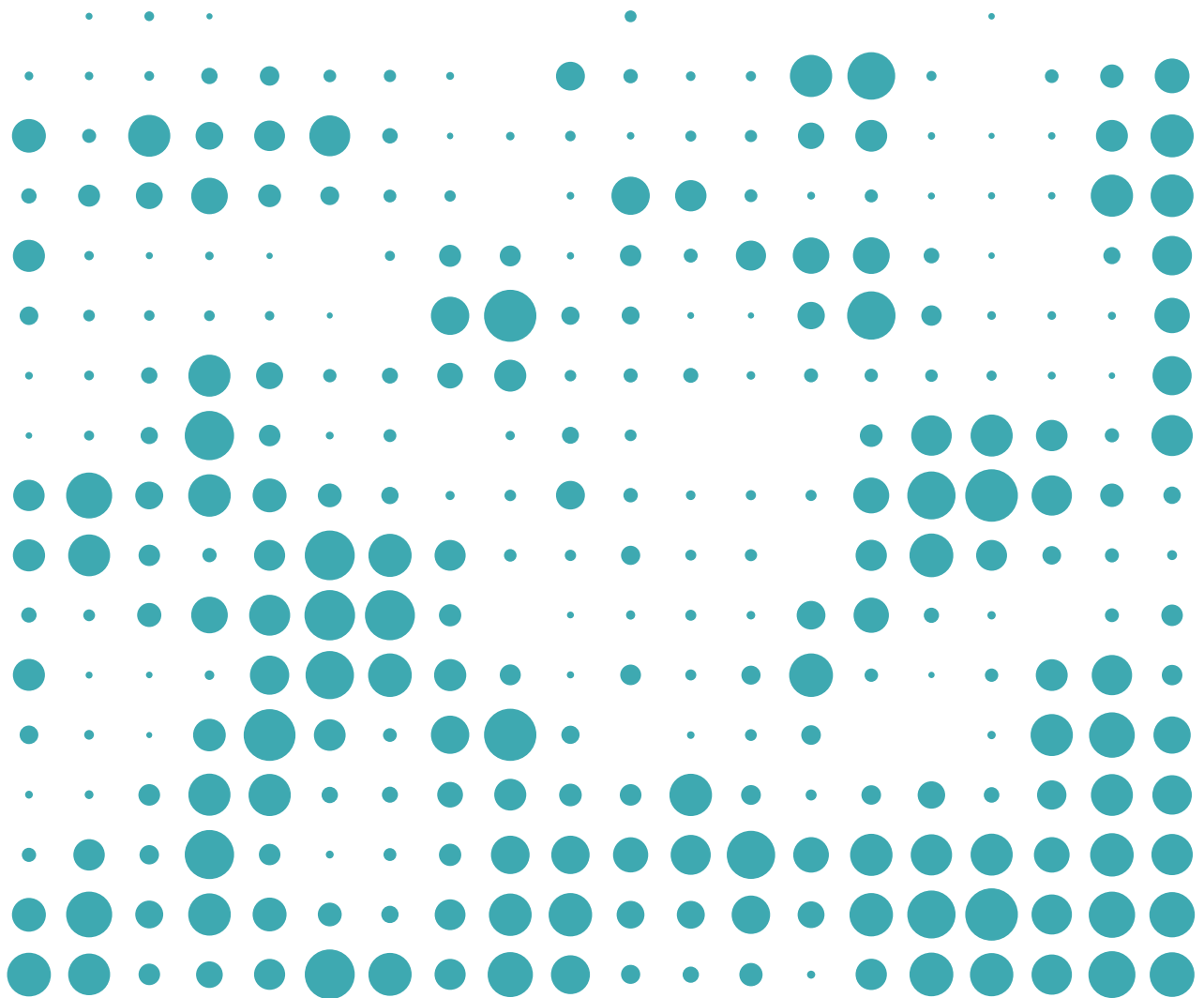


# UK BIM Alliance

## Annual Report 2020



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## FOREWORD

This has been a remarkable year for the UK BIM Alliance, despite all that has happened – and to some extent – because of what has happened in 2020. With the “new normal” involving transformational changes towards virtual meetings and digital ways of working, we have seen a marked acceleration in the level of interest in managing information better through the whole life cycle of our built environment. I am delighted that with the Alliance’s clear focus on **engagement** and **implementation** we have been able to gear up and help. Our volunteers have leaned in to run a wide range of on-line events and have worked hard in extending the UK BIM Framework Guidance with a re-structuring in September to assist navigation around what has now become the comprehensive “go-to” reference on implementation of the ISO 19650 series. We are delighted that the Guidance is being downloaded not just in the UK but around the world and has been translated into several languages. This has also been reflected in the workshops we have facilitated for buildingSMART International to share and support learning and uptake.

Our UK BIM Framework partnership with the Centre of Digital Built Britain (CDBB) and the British Standards Institution (BSI) is an important part of our activity. Use of the Framework has been formalised as one of 14 policies in the CLC Construction Playbook (December 2020), which “are mandated for central government departments and ALBs on a “comply or explain” basis and will be enforced through spending controls”. Another area of activity is our collaboration with CDBB on the BIM Interoperability work, which seeks to address some of the gaps which hinder uptake.

We are incredibly fortunate that so many in our industry are prepared to work pro bono on the considerable activities which have occurred over the past year and are reported in this Annual Report. I am grateful to all those of you who have given your time so generously, but also those of you who continue to show interest and support us in any way you can. Making BIM business as usual in a way that is proportionate and appropriate to each part of our industry is a foundational step towards wider digital transformation and in enabling the ambitions of the National Digital Twin. We aren’t there yet but working together we can be. I look forward to continuing the journey with you.

STAY SAFE, STAY ENGAGED, STAY INSPIRED



Anne Kemp OBE

**Dr. Anne Kemp OBE - UK BIM Alliance Chair**

## VICE CHAIR COMMENTS

In addition to Anne's comments, I will add my personal thanks to everyone who has supported the UK BIM Alliance throughout this strangest of years. What we have achieved this year has taken an incredible effort buy all involved and feedback from industry is that we are hitting the mark but there is still work to do.

In terms of reach, we have seen significant leaps forward with the launch of the Affiliates programme to help institutions raise awareness and educate their members. The buildingSMART UK & Ireland chapter is now more active than it has been for a while and practical engagement with 'real-world' project delivery teams and buildingSMART International is flourishing. The UK BIM Framework Guidance documents are truly world-leading and represent an enormous commitment to convene, author, seek industry feedback, edit, and update so regularly. It is an incredible publication that continues to gain relevance in so many stakeholders.

In terms of UK BIM Alliance operation, we are constantly evolving and adapting to external influences. Whether dealing with a global pandemic or new industry thought leadership groups, the UK BIM Alliance maintains its position as the BIM vanguard through having an operations team we can rely upon. I know the entire executive team are grateful for the support of our operations team, particularly as activities this year have ramped up significantly and look to increase further during 2021.

The UK BIM Alliance can react to these influences because we have a solid grounding and a practical governance system. We follow the vision set out in 2018 and the rules related to it. Our vision and mission will be updated in Q1 2021 alongside updated Terms of Reference to match them. It is important that we do this do maintain relevance and serve our industry appropriately and to reflect the developments in current trends and ensure we are inclusive, catering for a wide audience and casting our net further. Internally, we have a transparent mechanism for decision-making and whilst this is working functionally, we are aware that we could be doing more to ensure that we are more transparent to those outside of the day-to-day team.

2021 will see us formalise many of our processes to enable ease of reporting, greater transparency, and demonstrable justification of key decisions - especially when considering project selection and financial expenditure.

Though these proposed improvements, we envisage that an evolving UK BIM Alliance will be even more resilient and verifiably accountable in the coming years.

Finally, I would like to say that I am proud of everyone involved with the UK BIM Alliance and am thankful every day for the opportunity to work alongside such passionate, experienced people in helping to transform our industry.



Casey Rutland

**Casey Rutland, UK BIM Alliance Vice Chair**

## NON-EXECUTIVE DIRECTOR COMMENTS

As 2020 draws to a close, once again it is time to reflect on the progress and achievements of the UK BIM Alliance in my capacity as a Non-Exec and look forward to 2021.

### Responsibilities

My responsibilities are to ensure appropriate professional governance of the UK BIM Alliance Board. By providing independent support, advice, and challenge on Alliance direction I can make sure that all legal and financial obligations are being met.

As a critical friend to the Executive Team, I am available to act as a sounding board and provide leadership and expertise to team members as required, operating in line with the UKBIMA Terms of Reference, processes, policies, and standards.

It has been my privilege to attend the monthly meetings, to get involved and comment on discussions, activities, and outcomes. It has also been my opportunity to use my network to play a key role in building strategic relationships within client and stakeholder organisations during my normal business activities.

As one example we have restructured of the BIM Alliance Patrons programme to ensure that it remains fit for purpose and offers tangible benefits to our patrons. This has been successfully implemented and I am delighted to see the continued engagement and growing participation in this programme.

### Representing the Alliance

Once again, I represented the Alliance as a Judge for The European Women in Construction & Engineering Awards – also known as the WICE Awards. This was for the Digital Innovation category. Despite early optimism that we would be able to judge and celebrate in person, the judging became an intense but utterly rewarding online experience. Like last year, I was in awe of the calibre and talent demonstrated by the finalists and our very worthy winner.

### Looking Forward

As we look forward to 2021, I am delighted to be joined by Kath Fontana, Mitie Projects Managing Director and recently elected President of RICS as a second Non-Exec who brings a new perspective to the work of the Alliance, our roles and the contribution that we can make. I am excited to see what we can achieve together in 2021.

### And Finally

I would like to pay tribute to the time, considerable effort, and dedication of all those involved in the Alliance. The Executive, working alongside our Affiliates, Ambassadors, the UKBIMA Communities, those driving project, the Technology Group and engaging with the wider communities work tirelessly on our behalf. The voluntary man hours spent in 2020, alongside their day jobs and dealing with the impact of the pandemic both personally and professionally has been nothing short of heroic.



Elaine Lewis

**Elaine Lewis, Non-Executive Director UK BIM Alliance**

## UK BIM Alliance Aims and Objectives

The UK BIM Alliance is here to help you (the built environment) take the first fundamental step on your digital transformation journey.

The Alliance is YOU – our work is for the Industry and by the Industry. Our aim is to ensure BIM becomes business as usual whilst at the same time transforming and future proofing the way the industry works.

Our key goals:

1. To provide trusted independent leadership
2. To mobilise the community
3. To enable practical implementation
4. To establish and support common understanding, a common approach and one voice

The UK BIM Alliance is funded through its patrons and without their support, the Alliance would not exist in its current format. Thank you for your continued support.



### UK BIM Alliance and the UK BIM Framework

The UK BIM Framework sets out the approach for implementing BIM in the UK using the international framework for managing information provided by the ISO 19650 series.

Collectively the Alliance with BSI and CDBB are developing and will champion the UK BIM Framework to guide and support industry in implementing information management across the digital built environment.

### The UK BIM Alliance and the BIM Interoperability Expert Group (BIEG)

Several individuals are now contracted to work on the BIM Interoperability workstreams for CDBB. The Group are focusing on the following areas:

1. Classification Schema Alignment
2. Industry Foundation Classes (IFC) and COBie
3. Communication and Engagement: Education and Skills

4. Standards
5. Information Management Platform
6. Standard Information Approach
7. Procurement for Interoperability

#### [UK BIM Alliance and the Centre for Digital Built Britain \(CDBB\)](#)

In addition to the BEIG work, the Alliance is providing support in areas of specific interest to CDBB around the UK BIM Framework, and the National Digital Programme, with Anne Kemp serving on the Management Advisory Group and the Digital Framework Task Group.

#### [UK BIM Alliance and the Construction Leadership Council \(CLC\) Digital Network](#)

In September, Anne Kemp was invited to co-lead the CLC Digital Network with Mark Enzer. The Alliance is a part of its Strategic Advisory Group.

## ENGAGEMENT

The Engagement Workstream of the UK BIM Alliance has several initiatives to establish and support a common understanding and approach to the implementation of BIM and wider digital transformation across the Built Environment.

Engagement aims to:

- Ensure consistent, aligned messaging promoting BIM across all engagement initiatives to support digital transformation.
- Position the Alliance as the go to portal for related information, support, and guidance.
- Nurture and support the 'face' and 'voice' of the Alliance.

## Social Media

<b>UK BIM Alliance (main)</b>	<b>2019</b>	<b>2020</b>
Twitter (@UKBIMAlliance)	5001 followers	5749 followers (increase of 15%)
LinkedIn (UK BIM Alliance)	4023 followers	6308 followers (increase of 56%)
<b>buildingSMART UKI</b>	<b>2019</b>	<b>2020</b>
Twitter (@BuildingSMART UK&I)	-	6280 followers
LinkedIn	-	308 followers

To support the work of the UKBIMA Communities a dedicated Twitter account was set up to promote events, reports, whitepapers organised by UKBIMA regional and BIM4 groups.

<b>UK BIM Alliance Communities 2019</b>	<b>2020</b>
Twitter (@UKBIMRegions)	- 2322 followers

The UK BIM Framework is delivered by British Standards Institution (BSI), Centre for Digital Built Britain (CDBB) and the UK BIM Alliance (UKBIMA) and the social media accounts are managed by the UK BIM Alliance.

<b>UK BIM Framework</b>	<b>2019</b>	<b>2020</b>
Twitter (@UKBIMFramework)	-	671 followers
LinkedIn (UK BIM Alliance)	-	1675 followers

## PR

An interview was undertaken by BIM+ about the ISO 19650 UK Guidance – Sarah Davidson was involved.

Our Ambassador, Emma Hooper featured in the NBS BIM Survey report discussing the UK BIM Framework.

18 news alerts were sent out for those joining the Affiliates programme being the majority with new announcements of new patrons.



## Newsletter

A monthly newsletter was published throughout January to December 2020. The number of subscribers to the newsletter has grown from 1022 to 1464, an increase of 43%. The newsletter includes information on upcoming events that members of the Alliance Executive Team speak at, events that the Communities groups host, dates of upcoming meetings such as the Alliance Forum as well as updates from both the industry and the latest work by the Alliance.

## Website – UK BIM Alliance

The Alliance website continues to evolve and improve as a central point of communication and signposts to other related resources such as the UK BIM Framework.

Some highlight statistics for the UK BIM Alliance website:

- 17,923 (14,482) new visitors to the website and 3,613 returning visitors
- Most viewed page is the Home page followed by projects and then events
- Visitors from over 100 countries with the top 4 countries being the UK with 44%, the US with 18% and India and Ireland both 2% of visitors
- Chrome is the most popular browser at 54% with Internet Explorer at 19%
- 83% of visitors use their desktop, 15% use their mobile & 2.% are tablet users

## Website – UK BIM Framework

The UK BIM Framework is delivered by the British Standards Institution (BSI), Centre for Digital Built Britain (CDBB) and the UK BIM Alliance (UKBIMA) and the website managed by the UK BIM Alliance.

Some highlight statistics for the UK BIM Framework website:

- 41,048 new visitors to the website and 9,844 returning visitors
- Most viewed page was the Standards & Guidance page followed by the Home and Resources page
- Visitors from over 100 countries with the top 4 countries being the UK with 43%, both Ireland and the US with 5% of visitors and then India with 3% of visitors
- Chrome is the most popular browser at 63% with Edge at 10%, Safari at 9%
- 81% of visitors use their desktop, 16% use their mobile & 2.% are tablet users

## Events

2020 has proved to be challenging for live physical events with the advent of Covid19.

### Tradeshows In Person

The Covid19 lockdown started on 16<sup>th</sup> March 2020 in the UK. The in-person events the Alliance were involved in were:

BIM in Birmingham  
Asset Management  
FutureBuild

Constructing Excellence Annual Conference  
BIM Show Live  
BIM Conference South Africa

At BIM in Birmingham, we introduced the UK BIM Alliance and the UK BIM Framework to the audience and had a stand in the expo area for follow-up conversations.

To demonstrate the growing relationship with Constructing Excellence we hosted a stand in the main room of their Annual Conference – several productive conversations we had.

The Asset Management Conference took place in Scotland on 20 February where we delivered a keynote presentation titled ‘First steps in your digital transformation journey’ and took part in a panel discussion called ‘key steps in delivering digital transformation, as well as having a stand in the exhibition area.

Our presence at BIM Show Live was different in 2020 as there was no physical stand presence but representatives attended the show and were available to answer questions and promote the Alliance through conversations. We also delivered a ‘10 things about the Alliance’ presentation and hosted a panel discussion on common data environments with the Alliance Technology Group members as part of the panel.

At FutureBuild we were partners for the Digital Impact stage which involved taking part in panel discussions and hosting a networking session.

The BIM Conference South Africa was an opportunity to demonstrate the importance of countrywide Annexes to the global standards to a delegation of over 80 leaders in digital transformation from across South Africa. The UKBIMA were present in the form of the Vice Chair and an Ambassador (May Winfield) to speak about the work undertaken so far and share resources such as the Guidance documents and address legal aspects with the BIM Protocol. We also took the opportunity to address a slightly more technical audience at an OpenBIM evening event.

### UK BIM Alliance Communities

Communities comprise of the UKBIMA Regions and BIM4 special interest groups. Each turned their physical events into virtual events where most groups used the virtual platform (GoToWebinar) as seen below:

Date	Event Name	Registrations	Attendees
25/03/2020	Behaviours & Collaboration within the Built Environment	68	29
22/04/2020	Advancing from BIM Level 2 to the UK BIM Framework	115	67
13/05/2020	An Introduction to ISO 19650	511	356
20/05/2020	thinkBIM Digital Twins Online Conference	338	193
04/06/2020	Interoperability, Digital Transformation & Collaboration in Lockdown	73	33
17/06/2020	How is COVID-19 improving collaboration?	29	20
01/07/2020	Visualising Projects with AR/VR	63	27
15/07/2020	BIM and Clients	110	67
23/09/2020	BIM in Operations and FM	159	98
03/11/2020	Introduction to ISO 19650-3	126	62
	<b>Totals</b>	<b>1592</b>	<b>952</b>

## Speaking Engagements

Members of the Alliance Executive team delivered presentations at several online events. These included:

BSI Standards (Apr)	Festival of BIM and Digital Construction (Jun)
BS EN ISO 10650-5 launch (Jul)	NBS Construction Leaders' Summit (Sep)
BS EN ISO 19650-3 Launch (Sep)	Building Design Week (Sep)
UK Construction Week (Oct)	Advanced Asset Management (Nov)
IAM Virtual Conference (Nov)	What is the Future of BIM (Nov)
Futurebuild Digital Impact (Nov)	Smarter Data, Smarter World (Nov)
European BIM Summit (Nov)	GeoBIM 2020 (Nov)
Women in BIM (Dec)	

## Other events/meetings hosted by the Alliance

As the Alliance we ourselves hosted the following meetings:

- Technology Group x 6
- Executive Team x 24
- BIM4Clients x 4
- Engagement/Communities/Affiliates x 30
- Strategic Advisory Group x 2
- UKBIMA Ambassadors x 4

The below table shows you events hosted by the Alliance and its workstreams

Date	Event Name	Registrations	Attendees
31/03/2020	UK BIM Alliance FORUM Q1	258	154
31/03/2020	bSUKI Assemble	173	105
13/05/2020	An Introduction to ISO 19650	511	356
28/05/2020	UKBIMA Communities Virtual Conference	581	344
10/06/2020	The Great British National Annex Debate	108	74
30/06/2020	Q2 UK BIM Alliance Forum	83	53
30/06/2020	The Great British National Annex Survey	30	22
30/06/2020	buildingSMART UK & I (bSUKI) Assemble Q2	63	45
16/07/2020	Information Protocol Update	486	252
29/09/2020	UK BIM Alliance Forum Q3	128	86
29/09/2020	buildingSMART UK&I Assemble 3	56	36
15/10/2020	BS EN ISO 19650 Guidance Part C: Facilitating the CDE	202	120
15/10/2020	BS EN ISO 19650 Guidance Part D: Developing information requirements	314	160
15/10/2020	BS EN ISO 19650 Guidance Part A: The information management function & resources	252	149
16/10/2020	BS EN ISO 19650 Guidance Part F: Information delivering planning	179	68
16/10/2020	BS EN ISO 19650 Guidance Part E: Tendering and appointments	134	65
15/10/2020	UK BIM Alliance Forum Q4	56	33
15/10/2020	buildingSMART UK&I Assemble 4	47	32
	<b>Totals</b>	<b>3661</b>	<b>2154</b>

## Alliance Forum

Ownership of the Alliance Forum was handed over to the Communities Leadership Team for 2020 who hosted a quarterly Alliance Forum on 31 March, 30 June, 29 September, and 15 December. Updates from the Alliance workstreams, a view from the chair were agenda points for all the Alliance Forum meetings along with invited guest speakers.

In March we had Tom Jarman from Waterstons talk about some of the projects they were involved in and Nigel Davies shared the guidance process with the group.

In June Dan Rossiter from BSI shared a presentation all about standards that are adjacent to BS EN ISO 19650 and Katya Veleva from Women in BIM talk through the Mentoring programme.

September's Alliance Forum had a presentation from BIM4 Housing's George Stephenson who discussed the reasons behind the workstreams they had created.

John Parsons presented BEAMA's view of product data templates and data dictionaries as a guest speaker at the final Alliance Forum for 2020. A review of 2020 and a look ahead for 2021 was shared with all attendees as well as interactive quiz.

## Affiliates

The Affiliates programme brings together professional institutions, trade associations and other industry organisations to work across silos and to help us deliver widespread consistent messaging. We also aim to facilitate regular knowledge exchange between organisations, minimise any duplication of effort and offer support and expertise where needed.

The Affiliates Leadership Team held an in person briefing session in February 2020 with representatives from each affiliated organisation. The event was very well received, with positive feedback from attendees acknowledging the ambitions of the programme and the need for such an initiative. Throughout the rest of 2020 the team have been busy progressing signed agreements with as many organisations as possible and starting the onboarding process to determine how best to support and work together.

Current signed affiliates are:



The leadership team continue to work hard on securing agreements with these organisations as well as expanding the programme to include others.



Garry Fannon



Andrew Gambien



Steve Faulkner



Gary Morton



John Adams



Nick Leach

## Communities

The newly invigorated Communities Leadership Team have made great strides in supporting both the regional and BIM4 groups and bringing them closer together as a coordinated community. Focus areas for 2020 included branding, charters, the Alliance Forum and more as you can read about below:

**Alliance Forum** - As our Communities groups are the Alliance's key channel for engaging with industry it was decided that the Communities Leadership team take on the responsibility of hosting and managing the quarterly Alliance Forums. More information on the Alliance Forum can be seen under Events.

**Branding** – new logos were created to show better alignment with the Alliance using the UKBIMA logo and name of the community group below. This was implemented with all regional groups across the UK with a plan to work with the BIM4 groups in 2021.

**Communications** – Information was shared with the Community Groups via email on a regular basis. And the leadership team itself, started using Teams to communicate in the second half of the year. Although the team didn't manage the social media post themselves, they often provided content to be used.

**Charters** – the charter was updated to reflect the work of both the regional and BIM4 groups and shared with them to sign off and return to show their commitment to the Alliance's shared values, goals, and objectives.

**Events** – physical events were replaced with virtual events and the Communities Leadership team helped with speaker engagement and hosting via the Alliance's platform. See the list of events hosted by the Alliance Communities under Events above.

**Supportive/advisory role** – each of the Communities Leadership team have taken responsibility for several community groups to offer support and coordinate a consistent approach by meeting with them on a regular basis. Often the Communities Leadership team are invited to attend each community groups external events.

**buildingSMART UK&I** - In late 2020, the Communities Leadership team started an exercise to identify and align BIM4 groups with the buildingSMART Rooms. This work will continue into 2021.

**UKBIMA Affiliates** - The Communities Leadership Team have also started engaging with Affiliate members to help to develop better links between these professional organisations and the UK BIM Alliance Regions and Community Groups. This work will also continue into 2021.

**Strategic direction input** – the Communities Leadership team are involved in the strategic discussions for the both the Alliance as a whole and the community groups over the next 3 years.

The Alliance's Communities Leadership team are made up of the following individuals:



## Ambassadors

Our Ambassadors are made up of people in the industry with a high profile that are recognised for being expert, proactive and are actively driving digital transformation within their organisations. We have fifteen Ambassadors who have been actively supporting the Alliance. Several of the Ambassadors have attended events and delivered presentations on behalf of the Alliance. They also talk about the Alliance when attending and speaking at events as part of their day jobs.



## Supporters

These are companies/organisations that are allowing us to use their meeting rooms at no cost and/or are supporting their employees to contribute time to the Alliance.

We currently have 12 supporters with more coming on board. The current list can be found on the [website](#).



## Technology Group

The Technology Group of the UK BIM Alliance is a rare example of sometimes competing software vendors meeting regularly to discuss and learn about industry issues. As such, it provides a useful forum that can be approached by organisations keen to engage with a significant number of industry-specific technology providers. At the end of 2019, the Technology Group had 14 members. During 2020, this number has grown to 23 – see *list below*.

Members (on 31 December 2020):



The full Technology Group met three times in 2020 and held two additional meetings: relating to CDEs and interoperability (February), and to the BIM Interoperability Expert Group (BIEG) workstreams (October).



The February meeting had a presentation from Alex Luck concerning development of ISO 19650 Part 5 (then set to be published later in the year), with discussion about helping industry clients to meet the necessary security-minded approach, and the standard's coverage of delivery of both new assets and improvements to existing assets. The meeting also discussed the CDBB's BIEG work, agreeing to hold a separate 'CDE sub-group' meeting in Newcastle at the end of February.

The sub-group meeting's output was discussed in the year's second Technology Group meeting, in May (held online and slightly delayed due to the pandemic). The sub-group was supportive of the CDE-specific guidance included in the ISO 19650 Part 2 guidance published in October 2019. The author of that guidance, John Ford, spoke at the May meeting, and highlighted forthcoming work on the ISO 19650 National Annex.

The Group's third meeting in 2020 was held in September. Sam Chorlton, chair of the CDBB Digital Twin Hub, described the purpose of the Hub, its early members (predominantly major infrastructure providers), and its work – including the development of an 'Information Management Framework'. Lars Fredenlund from Cobuilder presented work that is being done, predominantly in Europe and through CEN and ISO, with regards to product data and to whole life use of that data.

There was also an update on the BIEG's work, and it was agreed to hold a dedicated meeting of the Technology Group focused on the BIEG workstreams. CDBB's Fiona Moore presented at that meeting, held on 22 October 2020, and the group was encouraged to contribute organisation perspectives on interoperability ahead of a ThinkBIM event on the subject on 2 December 2020. Thirteen 'voxpop' videos resulted from this campaign.

Each Technology Group meeting has received updates from Anne Kemp, on international standards developments and other relevant industry initiatives, and is briefed on Alliance engagement activities. At the invitation of the Alliance, representatives of the Group have spoken at industry events, and it is hoped Technology Group members will continue and expand their industry engagement in 2021.



A 2020 objective was to expand the Technology Group so that its membership embraced a broader range of technologies. This has only partially been achieved, so widening the group's vendor representation will remain an objective for 2021.

### **Future: Proposals for Engagement 2021**

In January 2021 we will be launching a 'State of the Nation annual survey' where we are looking to measure the understanding and adoption of information management using BIM across the UK built environment, to get a reliable indication of the progression to a business-as-usual state year on year.

A 'Back to BIM basics' campaign will begin in Q1 to engage those who are new to BIM and those who are unsure of BIM to get them started on their journey to digital transformation. We need to reach those outside of the normal circles, industry BIM conferences and social media, aiming specifically for, but not limited to, SMEs without dedicated, specialist resources or experience.

The Communities leadership team will continue to bring together the BIM4 groups, Regional groups, and progress collaboration with the buildingSMART UK&I rooms. They will continue to lead and support the community groups as a collective, whilst also interfacing with the affiliates programme.

Our Affiliates programme will continue to expand to help increase our reach, align messaging, and identify shared objectives to work on together.

We will work on raising the profile of the Technology Group and will also bring in a more diverse membership. Technology vendors supporting asset / facilities management, surveying real estate etc. are examples of these.

From a communication perspective, our monthly Newsletter will be moving to a quarterly publication release. We will continue to keep improving the website, grow our social media presence and delivery/support further industry events. Finally, we explore and communicate the network of networks.



**Pam Bhandal & Andy Boutle - UK BIM Alliance Engagement Co-Leads**



## IMPLEMENTATION

The Implementation stream assists the UK industry to develop its capability by embedding projects that raise awareness about the UK BIM Framework and provide insight and technical know-how to support its implementation. Our support takes various forms including:

- Giving proposed projects structure and assistance so that they can be realised
- Promoting projects, and
- Helping project members reach out to industry for support and complimentary expertise and knowledge.

### Introduction

2020 got off to a great start for the UK BIM Alliance with the Implementation team expanding to include Ashley Murray of McLaren Group, William Baker-Jones of Kier and Varun Soni of Calford Seaden working alongside Sarah Davidson of the University of Nottingham.

The Implementation team is now a diverse one in terms of background, skill set and gender. With co-leads situated across the UK we also have wider geographic spread. But this didn't stop us from collaborating effectively. Even though we didn't know each other at the start of 2020 and have never been in the same physical space together we moved the Implementation team forwards, quickly and with impact.

We were not without challenges though. Like many of us, the global pandemic meant that we were busier than ever before and the online culture of being available 24/7 created various pressures that we each dealt with differently. This is where a collaborative team with a shared vision proved essential; we were more resilient and cohesive and were able to accommodate this challenge. That's not to say that we won't be thankful when we can operate in more 'normal' circumstances.

### Past: Reflection

Looking back to our 2019 report, the Implementation team identified several activities for 2020 and we are delighted to confirm that were able to action and progress each and every one of them:

- Our collaboration with the BIM 4Housing Association group saw the release of their BIM Roadmap and will soon see the release of ISO 19650-2 compliant resources.
- We restructured the ISO 19650 guidance series, releasing new content supporting:
  - Understanding of different roles and arrangements (Guidance Part 2)
  - The release of ISO 19650-3 (Guidance Part 3)
  - The Information Management Function (Guidance Part A)
  - The development of information requirements with examples (Guidance Part D) plus a database example and an OIR line of sight animation
  - Information delivery planning looking at responsibility matrices (Guidance Part F)
- We supported the development and release of the UK BIM Framework compliant Information Protocol
- Working with Man and Machine and buildingSMART the individual certification programme progressed significantly and will launch in Q1 2021.

We were incredibly grateful to all the people that continued to volunteer their time and expertise to support these projects and develop their various outputs which were fundamental to the adoption of the UK BIM Framework.

BS EN ISO 19650 guidance documents and resource downloads increased as new guidance was released and totalled just less 35,000 (as of 20 November 2020). The new configuration of guidance into Part 1,2 and 3 plus parts A – F (inclusive) was downloaded more than 16,000 times and the new Information Protocol saw nearly 3,400 downloads. The full list of downloads is indicated below:

<b>Guidance Downloads</b>	<b>Downloads</b>	<b>Published</b>
ISO 19650 Guidance Part 1 Concepts Edition 2	6735	30-Jul-19
ISO 19650 Guidance Part 2 Delivery Phase Edition 4	2897	30-Apr-20
ISO 19650 Guidance Part 2 Delivery Phase Edition 5	3935	04-Sep-20
ISO 19650 Part 3 Operational Phase	2152	04-Sep-20
ISO 19650 Guidance A - The information management function & resources	2276	04-Sep-20
ISO 19650 Guidance B - Open data, buildingSMART and COBie	1961	04-Sep-20
ISO 19650 Guidance C - Facilitating the CDE (workflow & technical solutions)	2385	04-Sep-20
ISO 19650 Guidance D - Developing information requirements	2317	04-Sep-20
ISO 19650 Guidance E - Tendering and appointments	1848	04-Sep-20
ISO 19650 Guidance F - Information delivery planning	1974	04-Sep-20
Information requirements: Line of Sight video	2586	04-Sep-20
Information requirements: database example	951	04-Sep-20
Government Soft Landings	1878	01-Nov-19
Information Protocol to support ISO 19650 - Edition 1	2161	01-Jun-20
Information Protocol to support ISO 1965 - Edition 2	1414	04-Sep-20
UK BIM Framework Learning Outcomes	1960	28-Jul-20

All the guidance resources plus the Information Protocol are freely available at [www.UKBIMFramework.com](http://www.UKBIMFramework.com)

### **Present: Action in 2020**

We began by focussing on how we can be more efficient and streamlined in our processes to provide Better Information more quickly. This meant taking a step back to change how we registered and reported projects.

We created a fully online and collaborative approach within the team which persevered during the pandemic with Biweekly team meetings attended and a host of new developments taken forwards. Digital collaboration and communication were at the core of the team and enabled us to progress and succeed.

We brought in automated processes which allowed the team to quickly assess and respond to project proposals. These automated processes enabled us to create new interactive dashboards which were housed on the UK BIM Alliance website, allowing everyone to see project progress, what category projects fall under and where more industry focus on Information Management development was required.

During the year we also saw a greater number of projects being presented within the forums. This demonstrated the ongoing and continued drive of the industry to find new solutions and guidance to help the industry develop. In addition to the project listed above:

- The MHCLG Golden Thread Initiative project was launched and will develop even further in 2021.
- We saw our collaboration with CIH and CDBB expand in the work being done for the BIM Interoperability Expert Group.
- We also got our InfraAIR project proposal underway which will see continued development into 2021

## Future: Proposals for 2021

Going forward, we want to increase our engagement and interaction within the BIM communities, both new and existing groups/audiences. We will promote our services and opportunities for industry to get involved as well as providing further guidance on where/how the UK BIM Alliance can offer support.

We will publish project data so that project coverage alongside work through our collaboration with organisations such as CDBB and the BIM Interoperability Expert Group is visible to all.

We will launch a call for new project proposals that respond to key industry themes/challenges and will continue to support industry with the ongoing development of the guidance documents, providing resources, assistance, and support to new and ongoing projects wherever possible.

Our grand challenges for 2021 are still around the industry's awareness and peoples' understanding of Information Management using BIM. We will continue to promote and support industry's adoption of the UK BIM Framework and work with the community programmes to encourage industry to move away from 'BIM Level 2'. We want to shift the perception that BIM is all about 3D geometry and promote BIM for information.

We hope 2021 will bring more project proposals and opportunities to work with industry and academia. Increasing our presence at universities to raise awareness and creating opportunities to collaborate with students is a key target for the academic year 2021-2022.



Sarah Davidson



Ashley Murray



Will Baker-Jones



Varun Soni

**Sarah, Ash, Will and Varun - UK BIM Alliance Implementation Co-Leads**

## **BUILDINGSMART UK & IRELAND**

As the Chair of the buildingSMART UK & Ireland Chapter, I am so proud of the advances we have made over the past 12 months. Having launched the 'Four V's' (Vast, Vibrant, Vital & Valuable) last year I'm glad to report that we have made significant strides forward in each area.

The UK & Ireland Chapter of building SMART International sits within the UK BIM Alliance. The Chapter looks specifically at the topic of OpenBIM as part of the UK BIM Framework.

It is governed by the same Executive team and ultimately sits within the CIRIA legal entity.

### **Vast**

Internally, the Chapter is now much more resilient than it has been in the preceding few years with our Core Committee of 17 and 2 Steering Group advisors.

The committee work within roles that complement the UKBIM Alliance workstreams, to enable the chapter to function efficiently in managing engagement, membership, education, and finances. They also represent the UK & Ireland industry needs within the buildingSMART International Rooms (domain or sector-specific developments of the standards) and Projects that sit outside, or are common to, the rooms.

We are honoured to welcome back Nick Tune, a former Chair of buildingSMART UK & Ireland as a Steering Group advisor and are forever thankful to Nick Nisbet, a Fellow of buildingSMART International for his continued contributions and excellence.

Externally, this year has seen much greater engagement and conversation with the industry through several channels. Reaching out for help, determining industry requirements has all begun in earnest and is set to ramp up during 2021.

Our relationship with buildingSMART International is further solidified and improved through regular meetings with their senior staff.

### **Vibrant**

In addition to our committee reaching out to the community, we have successfully hosted four well-attended buildingSMART UK & Ireland 'Assemble' events. Hosted online on the morning of the Alliance Forum events, the discussions, updates and case study presentations serve to demonstrate the adoption and value of OpenBIM workflows in our industry and the resources available via the work of buildingSMART UK & Ireland as part of the Alliance.

Engagement on our social media channels on Twitter and LinkedIn is increased and sets a good foundation for good quality industry feedback and discussion next year.

With an increased emphasis on grassroots use of OpenBIM, we are gaining a wider, more inquisitive audience but we are conscious of the need to attract the masses through a plain language approach.

### **Vital**

As a chapter, we have voting rights to steer the international organisation on matters such as new projects, extensions to standards, new working groups and the role of the board. The UK & Ireland Chapter now have a robust mechanism whereby each matter is discussed, an agreement reached, and votes recorded. This has resulted in a much greater ownership and has contributed to a better understanding of the process by the entire committee.

Our 'voice' as representatives of the UK & Ireland is being heard; not only that but it is now being requested on the global 'stage' once again. We are now influencing various projects, rooms, futures, and directions – all with OUR needs at the centre.

One highlight of the year was judging the buildingSMART International Awards. Our new chapter judges leaned upon the many years of Nick Nisbet's experience and influenced the outcome of incredibly worthy winners. It's clear that there's such great OpenBIM work being undertaken around the world and it's rewarding to be involved in setting and promoting those standards.

### **Valuable**

In addition to the roles, we play in understanding the industry needs and communicating them both to the wider masses and to the International leaders, key members of our committee are also contributing to and leading the current BIM Interoperability Expert Group (BIEG) work, researching the gaps and needs in our industry to really make interoperability a success. It's again a proud moment to see high praise from industry for this work.

Also worthy of note, is the significant work currently underway on Individual Professional Certification. With the launch due in Q1 2021, this will set the standard for BIM education and training in the UK & Ireland in line with the buildingSMART International Learning Outcome Framework and has been extended to address the requirements of the UK BIM Framework. Upon launch, this will bring continuous annual revenue to the Alliance through approval of training centres and the assessment of individuals.

Looking ahead to 2021, we can see that there's still much to do and our continued work with the BIEG and engagement with buildingSMART International will lead to a greater need for UK & Ireland industry input. This will form a key part of our activities for next year alongside further increasing our visibility and input from all available resources.

As the industry gravitates towards digital twin platforms in 2021, OpenBIM, structured data created through a BIM process and the resulting interoperability will become the foundation of many business solutions. We're looking forward to positively influencing it.



**Casey Rutland**

**Casey Rutland - buildingSMART UKI Chair**

## OPERATIONS

### Financial Report

Starting Balance £ 62,684.00

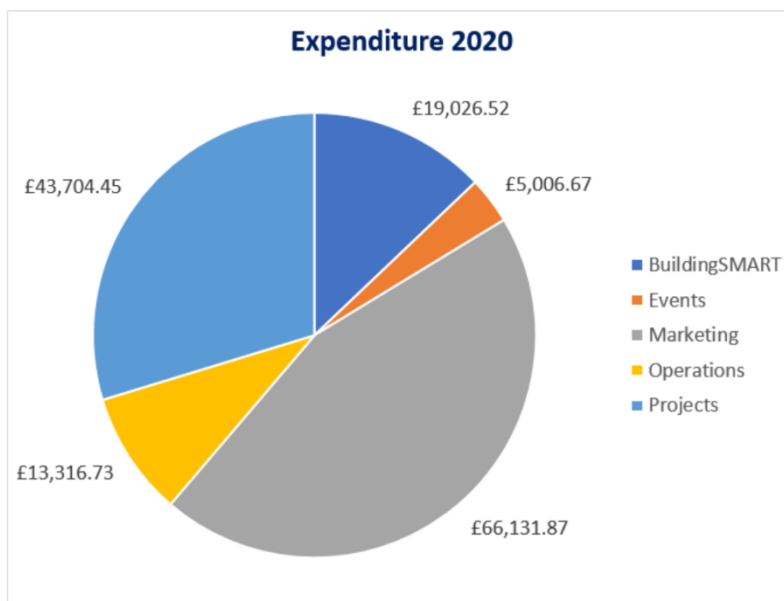
#### Income

BIM Regions	£ 2,779.51
BuildingSMART	£ 15,725.19
Dontation	£ 5,500.00
Expense Returns	£ 865.49
Patronage	£165,861.96
Projects	£ 67,518.50
<b>Grand Total</b>	<b>£258,250.65</b>

#### Expenditure

BuildingSMART	£19,026.52
Events	£5,006.67
Marketing	£66,131.87
Operations	£13,316.73
Projects	£43,704.45
<b>Grand Total</b>	<b>£147,186.24</b>

Net Balance £173,748.41



Financial year is from 01/01/2020 to 01/01/2021.

Final financial results will be prepared by CIRIA and audited by their external auditors in January 2021.

CIRIA are our legal entity and provide our financial operational services. We work closely with them to ensure that we are compliant to all fiscal regulations and have complete transparency with our financial reporting as a not-for-profit organisation.

We have a finance committee which reviews and approves all income and expenditure monthly and reports its recommendations to the Executive Committee for approval.

With the cessation of physical events such as Digital Construction Week and the move to hosting virtual events, this has resulted in a significant reduction in our overall expenditure, whilst maintaining a strong and growing commitment from our patrons in support of our work. We have also started delivering funded project work this year through CDBB and having a strong cash balance has offset any financial exposure in delivering these contracted projects.

The UK BIM Framework is jointly funded by the UK BIM Alliance, CDBB and BSI.

In recent months we have been commissioned by CDBB to help them deliver several their projects as funded work, a framework agreement was drawn up between ourselves and CDBB to facilitate this and allow the relevant industry experts to be appointed to deliver this project work.

Nominations of the UK by buildingSMART International corporate members has offset the costs of running the buildingSMART UK & Ireland Chapter and has yielded a cash income through supplemental patronage.

## Operational report

The Operational side of the Alliance is co-led by Stephen Holmes and Shaun Farrell. As well as the financial management and contracts, the Operations team maintain and support the Alliance with their back-office systems for communication – including Microsoft Office Apps, Email and Teams, Slack, GotoWebinar, GotoMeeting as well as the websites and hosting.

We also provide technical and logistical support for events both physical and virtual and for representatives of the Alliance that are presenting.

We have this year also established our Common Data Environment (CDE). After an open technical review and open tender submission, Glider Technology was appointed to host our Published and Archive component of our CDE. There has been a lengthy period developing our requirements and defining how this platform will be used, from understanding its integration with our other platforms as well as the Information Requirements from all aspects of the Alliance. The core of this has now been completed, though this will continue to evolve and roll out of the use of our CDE has started. As the use of our CDE grows we will increase our team numbers to help support its expanded use.

## Future: Proposals for 2021

Going forward our aim is to continue to support and streamline the operational activities of the Alliance, delivering further automation and operational efficiencies as well as improved communications and real time reporting.

Both the <https://ukbimalliance.org> and <https://ukbimframework.org> websites will continue to be supported and we will be looking to migrate the sites onto a unified hosting platform with improved bandwidth and support levels in the coming year.

As the use of our federated CDE environment with Teams and GliderBIM continues to grow we will be bringing on board additional team resources to provide a higher level of user support and management of the relevant systems. As we move to Microsoft Teams as our Work in Progress and Review/Approval CDE platform we will be expanding this to offer the facility to all our Regional and Community groups and project teams.

We will continue to provide financial and contractual support for project delivery in conjunction with CIRIA.



Stephen Holmes



Shaun Farrell

## Stephen Holmes & Shaun Farrell - Operations Co Leads



The details in this Report are for general information only and the UK BIM Alliance make all reasonable efforts to ensure the information is accurate at the time of publication. The UK BIM Alliance does not assume any liability for its contents.

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## GET INVOLVED

UKBIMA Channel on slack | <http://bit.ly/joinUKBIMAslack>

Newsletter sign-up | <http://bit.ly/UKBIMANewsletterSignup>

UK BIM Alliance YouTube | <http://bit.ly/UKBIMAYoutube>