

UK BIM Alliance

Annual Report 2018

Written by:
Anne Kemp, Martin Penney, Pam Bhandal, Stephen Holmes, Rick Hartwig, David Glennon

Contributors
Andy Boutle, Sarah Davidson, Shaun Farrell

Table of Contents

Foreword	3
Governance	4
Projects	5
Completed Projects	5
Proposed Projects.....	6
Engagement	8
Communications.....	8
Website	8
Events.....	9
Industry Organisations	9
Standards and buildingSMART UK&I.....	9
Alliance Forum.....	10
Product Data Working Group.....	10
Branding.....	10
Communities.....	10
Operations	13
Next Steps 2019	14
Executive Team.....	14
Implementation.....	14
Engagement	15
Operations	15

Foreword

What is the UK BIM Alliance set up for?

To help the built environment sector to **take the first fundamental step in the journey to digital transformation.**

It is testimony to the dedication and commitment of a wide number of people across the industry, that the UK BIM Alliance has been able to set up and mobilise in such a short space of time, and with such limited funding. A great deal of effort has concentrated on engaging with the existing BIM communities, and reaching out to others, to provide a safe place to discuss, debate and collaborate around this business of 'BIM'.

It is worth reminding ourselves what our key goals are:

- ✓ **To provide trusted independent leadership**
- ✓ **To mobilise the community**
- ✓ **To enable practical implementation**
- ✓ **To establish and support common understanding, a common approach, and one voice**

Despite our successes, there is however a huge amount to do. Whilst we estimate that we now reach over 8000 people, this is a drop in the ocean compared to the 3 million who represent the built environment sector. We clearly need to do more. We want to ensure there is strong representation from across the whole life cycle, and we want to target the SME community in particular.

We are acutely aware of the rapid pace of change in UK industry and the rise of technology and digital ways of working. Hot topic areas, organisations and phrases such as digital strategy, international open standards, digital twinning, 5G, the National Infrastructure Commission, CDBB and the Geospatial Commission are all stimulating debate and enabling change. And we need to put BIM into context within these changes, and ensure that it does in fact remain appropriate and valid.

I hope you find this annual report informative. And I hope that you will be moved to become involved, or to help us in realising much needed funds to achieve our goals.

Anne Kemp, UK BIM Alliance Chair



GOVERNANCE

The UK BIM Alliance is committed to the core principles of good governance: integrity, transparency, accountability, and proper supervision. We want to ensure that we deliver a high level of service to our stakeholders - spanning not only the BIM community but the wider built environment industry. As such, during 2018 our activities have been overseen through the following governance channels: the Executive Committee, the UK BIM Alliance Forum, the Strategic Advisory Group and CIRIA, as our legal entity providing the consolidated financial statement. Additionally, an external independent audit on CIRIA financial due diligence was carried out by Kingston Smith Chartered Accountants.

Every month, the leads for Engagement, Projects and Operations meet with the Chair and Vice Chair, and with our Non-Executives, to review and to plan for the next 2 -3 months, and quarterly to review strategic direction. We are grateful to our past Non Executives - Raj Chawla, Su Butcher and Bill Healy for their support, and look forward to the appointment and on-boarding of our new Non-Execs. Elaine Lewis has already joined us, and others will be announced shortly.

Reports for Engagement, Projects and Operations are provided below along with operational financial metrics. Our limited combined budget for 2018 has been £164,004.00 with a deliberate spending focus on Engagement and raising of the UK BIM Alliance profile across the industry as a serious stakeholder.

Going forward, we are looking to turn greater focus on implementation - in particular, grass roots level projects support which directly aids the adoption of BIM principles, good practice and wider efficient digital transformation across the industry.

To sustain and extend our activities over the coming year, we are targeting greater external resources support, funding and revenue generation, to enable us to engage a far greater representation and percentage of the industry, and to drive forward more support for upskilling and implementation of BIM across the industry. In relation to this, we will be conducting an exercise to explore the future and legal status of the UK BIM Alliance and its capacity to generate revenue.

Currently the Executive and sub-committees are pro bono and do not receive any financial remuneration. We rely solely on patrons, goodwill and volunteer charity. It is our aim to transfer to a more sustainable and commercial footing, to ensure the longevity of the Alliance to continue the good work that the Executive and wider community is currently delivering.

If you think you can be of help in the running of the UK BIM Alliance, then we would be very pleased to hear from you. We really do want more help and resources to make things happen.

With your help we look forward to achieving great things in 2019!

Martin Penney, Vice Chair, UK BIM Alliance



PROJECTS

Projects are the tangible outputs from the UK BIM Alliance. Ideas for projects are submitted by the Industry and then delivered by the Industry for the benefit of the industry.

- Four projects have been completed in the year, with positive feedback received overall
- The pipeline of potential projects has grown through the year, with leads identified
- Projects operating model has been reviewed and developed for a re-launch in 2019

COMPLETED PROJECTS

Winfield Rock Report, published Feb 2018

This report considers the understanding as at 2017/early 2018 of the BIM legal and contractual issues among the legal community and those who instruct them.

2186 downloads since publication.

Going Digital, published October 2018

This guide focusses on the message to clients and to their advisers. It sets out a path for clients into the use of Building Information Modelling (BIM) and necessary process and approaches. It uses plain language rather than the jargon and demonstrates potential return on investment plus the nature of client investment required.

408 downloads since publication.

A Fresh Way Forward for Product Data, published October 2018.

This document does not present a utopian vision of the future, rather its aim is to identify some of the key challenges to the digitalisation of product data, explain why the process is far from ready to use, and identify what the barriers to progress are and how they might be overcome.

1020 downloads since publication.

Constructing Plain Language Pledge, published October 2018.

The UK BIM Alliance recognised that terminology often becomes one of the first barriers to BIM adoption. The Alliance worked with Dan Rossiter, the European and International Standards convenor for BIM terminology, to outline how the Alliance can lead by example in championing plain language. Each member of the Alliance, the Communities Group, the Technology Group have been asked to commit to the 'Construction ABCs', a plain language charter to help ensure that models, data and information is discussed in a way that allows professionals at all levels to engage.

564 downloads since publication.

PROPOSED PROJECTS

A number of potential projects have been identified and are in a project pipeline, split into four streams, Business Case, Upskilling, Knowledge Bank and Optimisation.

Business Case Stream

- BIM4Water Product Data Templates
Two page article on how industry relevant product data templates were created
- BIM Level 2: Why are you waiting?
Two page article written by Marek Suchoki, encouraging adoption of BIM
- BIM Maturity Measurement
Potential BIM Maturity Measurement tool for industry to benchmark maturity and provide a baseline for UK maturity.
- Facility Management Book
Professor Mike Ford from University of West England has written a book that is relevant to the UK BIM Alliance and the wider industry. Opportunity to work together to amplify launch and improve impact.

Upskilling Stream

- Competency Frame Work Project
Construction Industry Trade Board (CITB) is due to publish a call in March, and this project is to prepare for the call, which will close in June.
- BIM Accreditation
Following feedback from a CDBB workshop in Cambridge (2nd October) there was a call for industry accreditation in BIM. The Upskilling work done by Martin Simpson and Debbie Carlton supports this. Niraj Mistry is preparing/scoping a document to provide an overview of accreditation and the process.

Optimisation

A list of ideas has been drafted and are being considered which may result in articles written to shed light on topics or more practical digital advisory specifications:

- Mapping of Uniclass, to COBie to IFC for the majority of Building Services assets
- How to deliver Level 2 BIM for major and minor refurb projects. E.g. 'What is in scope and what is not?'
- The minimum survey requirements to produce a 3D digital model. E.g. 'What are the acceptable tolerances between a digital model and the physical building?'
- Create a matrix of performance requirements that building owners should report on in preparation for new legislation (and satisfy existing).
- A common sense approach to applying H&S to BIM projects
- A portfolio approach to BIM - what information do you need to use across built assets
- BIM and GIS - why do it, how to do it and the options. IFC and COBie for infrastructure projects

- How to standardise your estate? – Standard assets, spaces, what’s the rationale behind this and can it be justified financially.
- How to protect your IP. A clients perspective with Level 2 BIM
- A practical guide to fulfilling the Information Manager role

A report to provide practical guidance on the role of the ‘Information Manager’ expanding on current high level suggestions in standards and other publications

- Digital Supply Chains In Construction: Turning Engineering & Construction Firms Into Technology Companies

The proposal stems from the Government’s 2010 Infrastructure Cost Review referencing the disaggregated supply chain.

The structure of the project will include research, possible surveys or interviews and reports in a variety of media plus workshops.

Knowledge Bank

- BIM KPI’s
 - a. To define assessment criteria to be added to existing KPI surveys
 - b. Establish a platform to redirect externally held information
 - c. Establish subsequent reporting route for practitioners
- Evidence Based BIM Knowledge Bank
 - a. To collate, review and evaluate existing sources of information & formats
 - b. Establish criteria for information provision
 - c. Set criteria for peer-peer review and platform
 - d. Establish a neutral template for multiple media documentation

Resources

2018 began with Rick Hartwig being the sole committed resource in the Project Stream and limited projects. By the summer Matt Knott had stepped up as Business Case Stream Lead and Niraj Mistry had been recruited as Upskilling Lead. Javed Edhataly has indicated that he wishes to continue in the role of Optimisation Stream Lead.

Sarah Davidson, who led the UKBIMA Cyber Security report published in late 2017, has assumed responsibility for Projects operations (now called Implementation) with David Glennon.

It is significant that all effort has been supplied on a pro-bono basis.

The Projects team is working with the Operations Team to develop a workflow and platform to support the management and visibility of the projects.

[Rick Hartwig](#), [Sarah Davidson](#), [David Glennon](#), UK BIM Alliance, Projects Leads



ENGAGEMENT

Engagement is all about driving the awareness of the UK BIM Alliance's aim of making BIM business as usual. Engagement aims to:

- Ensure consistent, aligned messaging promoting BIM across all media channels helping to increase the drive for industry transformation.
- Position the Alliance as the go to portal for information, support and guidance.
- Act as the 'face' and 'voice' of the Alliance.

Communications

2018 started with no formal PR agency in place. In the previous 6 months in 2017 we had employed the services of Whiteoaks whose remit was to increase awareness of the UK BIM Alliance. This was done through social media and the placement of articles within the media.

Our social media accounts (Twitter & LinkedIn) were managed by Pam Bhandal throughout 2018 with the occasional support of Su Butcher when tweeting from live events.

Twitter 3533 followers 1707 tweets

LinkedIn 1126 followers 300 posts

Due to bandwidth there hasn't been as much liaison as we would have liked directly with the editors of publications in 2018. News alerts or press releases were sent out to the press list as and when needed but there has not been a targeted event for the press where we update them on everything the Alliance was doing.

A monthly newsletter was published throughout 2018. This included information on upcoming events that members of the Alliance Executive Team were speaking at, events that the Communities groups were hosting, dates of upcoming meetings such as the Alliance Forum as well as updates from both the Industry and the latest work by the Alliance. We currently have 703 subscribers to the newsletter.

Slack is a useful, effective communication tool and one that the Alliance uses effectively. We have 321 members with 22 public channels of which 12 are the most widely used. 31,412 messages have been sent through Slack with 516 messages in the last 30 days.

Website

The UK BIM Alliance website, www.ukbimalliance.org is an integral part of engagement as this is where you will find published reports, briefing papers, information on the community and links to additional resources.

Some highlights statistics:

- 12,790 unique visitors to the website with a total of 21,148 hits
- Visitors from 135 countries with 54% from the UK, 9% from the USA
- 2185 downloads of the Winfield Rock Report
- 1569 downloads of the Client Data Requirements guide
- 1074 downloads of the BIM Security guides
- 1020 downloads of the 'A Fresh Way Forward for Product Data' report
- 564 views of the Construction Plain Language charter
- 408 downloads of the 'Going Digital' report

The new Alliance website will go live in Q1 2019 and will continue to be a central point of communication and will also be a signposting site linking to other resources available on other sites such as:

- <https://bim-level2.org/en/>
- <https://www.cdbb.cam.ac.uk/>
- <https://www.bsigroup.com/en-GB/>
- <https://www.buildingsmart.org/>

Events

The Alliance initiated a Roadshow in 2018 with the aim of taking the message of the Alliance outside of London. Hosted by our BIM Regions, we facilitated events in:

West Midlands Cardiff Cambridge Thames Valley Manchester

All events were well attended with a briefing from the Alliance followed by case studies on BIM with challenges faced and overcome. In 2019 these roadshows will continue targeting Scotland, the North East, South, South West, Sussex and Belfast

The Alliance was involved in key national events namely GeoBusiness and Digital Construction Week (DCW), CITA Technology in Industry, BSI Standards Conference, London Build, the IAM Conference in 2018. At GeoBusiness, the Alliance managed the BIM Seminar programme which took place on the morning of day one supported with a small stand throughout the show. At DCW, we ran the BIM theatre, the BIM Workshops theatre throughout the event and this year had a stand for people to find out more about the Alliance and as a community hub for all speakers. We also launched our new branding at the event along with two key reports - Going Digital & A Fresh Way Forward for Product Data - State of the Nation.

Members of the Executive team also spoke at a number of high profile events which were also supported with volunteers and a stand as well.

Industry Organisations

A team of volunteers took on the task of building relationships with key industry organisations and trade bodies. The team created a top 10 list of organisations they wanted to approach and did have some success. It was then realised that some members of the executive team had a closer relationship through their day job. With this in mind, all activity by the Industry Organisations team was put on hold. We are now liaising with a number of key industry bodies and organisations such as CIC, BSI, CDBB and ICE. This is to ensure that we remain at the heart of discussion regarding digital transformation and driving BIM to a state of 'business as usual'. In 2019 an Affiliates programme will be created who will work directly with CIC to approach more of the industry organisations.

Standards and buildingSMART UK&I

The newly formed Standards group has been in development throughout 2018 as a result of the Alliance officially becoming the UK & Ireland (UK&I) chapter of buildingSMART. This is also in close partnership with Construction IT Alliance (CITA) in Ireland.

Much of the effort through 2018 has been to energise the community to understand the importance of standards and encourage engagement in the opportunities to shape standards domestically and internationally. This has been achieved through presenting at the Alliance events and also through webinars, Digital Construction week and CITA Tech Live 2018.

The group has focused on identifying projects for delivery in 2019 such as InfrAIR, personal certification through buildingSMART and preparations for the launch of ISO 19650.

Alliance Forum

We hosted an Alliance Forum every quarter in 2018. This is part of our governance and commitment to deliberately keep the community informed and a fundamental part of the interactive process of the Alliance and its decision making. These meetings are open to anyone to attend who has an interest in helping to support the transformation of our Industry. The agenda always includes an update from the Alliance (projects & engagement) with the Chair, Anne Kemp giving up an overview of what is happening in the industry. Keynote speakers were invited to speak at each of the meetings and we also had interactive sessions taking place during the day.

Product Data Working Group

This group was set up, with Su Butcher as lead, to discuss and produce a State of the Nation report on Product Data. The working group was made up of industry people who could commit to attending all 4 meetings to ensure consistency. This group of 14 identified the key areas that they needed to focus on and then went and interviewed other people within the industry in order to create a final report – over 120 people were interviewed with 40 giving their consent to be included in the report. A Slack channel was also created to share information with the wider group and it currently has 91 members.

The report was launched at Digital Construction Week with 200 printed copies and digital download available via the website. The deadline to send through feedback was December 21st. We are now in the process of going through the feedback with an action plan to be shared early 2019.

Branding

In April of 2018, it was agreed that we needed a new logo identity in order to incorporate the buildingSMART UK&I brand. A branding exercise was carried out during the summer and after many iterations and consultations with the community, the new brand was launched at DCW 2018.

Communities

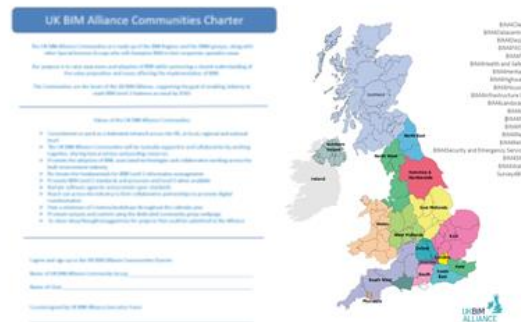
The BIM Regions, BIM4s and other BIM related Special Interest Groups (SIGs) form the collective known as the UK BIM Alliance Communities. Communities are the foundation of the Alliance and the core operational focus of our Engagement stream. The Alliance's outreach into industry across the UK spans geography, sectors, tiers and disciplines throughout the whole supply and demand chain. Areas that we have reached with limited success but we would like to achieve more have been asset owners and managers, as well as those involved in procurement.

At the start of 2018 our then Communities Leads (Andy Boutle and Pam Bhandal) formed a leadership team to help drive a more collaborative effort for the BIM Regions and BIM4s to work together better drawing on each other's resources, events and expertise. Originally set up under the CIC in 2011, the BIM Regions and BIM4s had been operating mainly in isolation working hard to deliver events, guidance, case studies, and form networks to support industry to adopt BIM. While great efforts were being made in isolation, the Alliance has brought these groups together under one 'Community' to drive increased outreach and engagement with Industry. There is still much to do and this journey will continue with the new Community leads, David Owens and Jill Guthrie.

We invited the chairs of each community group together for two meetings in 2018 to share successes and frustrations to date, and to look at planning a consistent coordinated effort ahead.

Our Communities leadership team had two primary deliverables in 2018.

- 1) Engage each community group to sign up to a charter, confirming they are happy to be considered part of the UK BIM Alliance, support our values and remain active to deliver against a minimum set of requirements annually.
- 2) Produce a map for BIM Regions across the UK, resolving any gaps / overlaps in coverage and supporting a better coordinated effort with BIM4 groups.



We were very pleased to gain a total of 35 charters signed and returned with the remaining 6 outstanding expected Q1 2019. This was no mean feat bearing in mind all involved are volunteering their time pro-bono. Going through this process also helped to identify those groups that had struggled to remain active and allow us to form new group leadership where required. The BIM Regions UK map will be made interactive on the UK BIM Alliance's new website and include contacts and links to web pages for each community group. We see this helping to sign post people to their preferred community, whether it's a BIM Region event or focused BIM4 group.

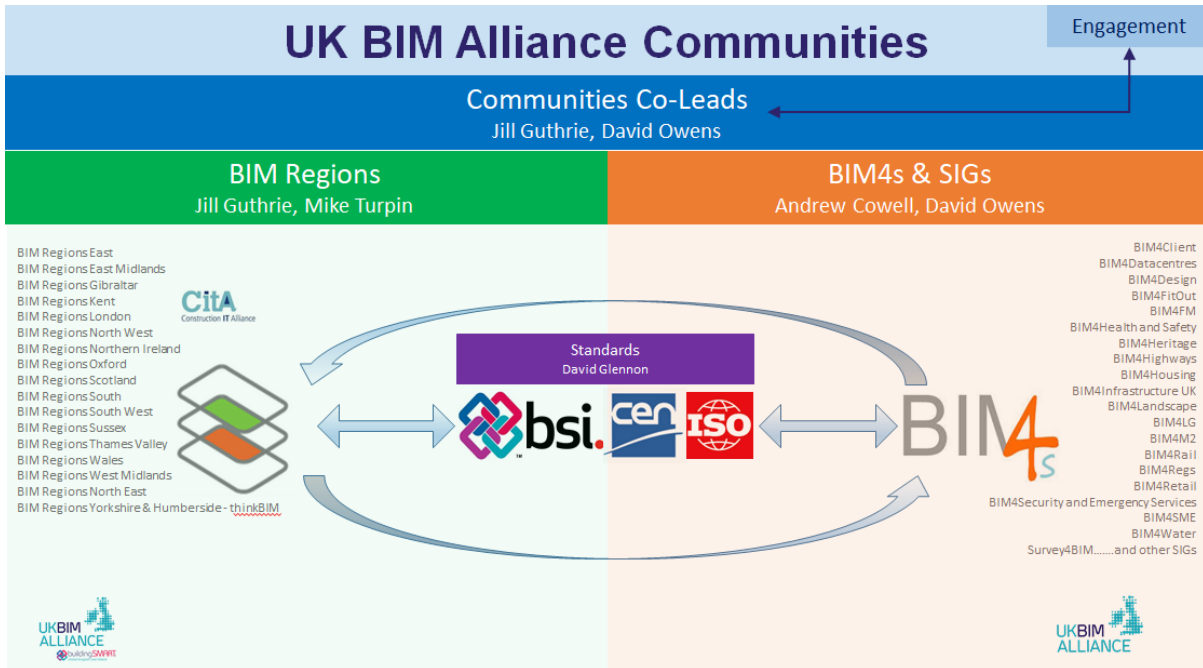
When looking at the outreach of Communities in 2018 we have collated membership numbers and event/workshop attendance from across our community groups.

Some headline metrics include:

- 16 groups out of 41 have confirmed numbers to arrive at the totals below:
- 2909 membership, 1856 event/workshop attendance.
- If we divide the total membership by 16 groups and multiply by 41 groups, we estimate the outreach to be 7454.

The Communities will continue to grow outreach and membership in 2019, and we aim to at least double the 2018 figures.

The Communities are illustrated below along with focused leadership who are coordinating the efforts for 2019.



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



OPERATIONS

The operational team support the engagement and project teams in their delivery and provide the operational framework for the Alliance. This includes financial management, maintenance of our website, technical support, logistical support for roadshows and conferences as well as secretariat support.

We are supported by CIRIA as our legal entity who manage our accounts for us and provide support and oversight for our financial operations.

We would like to thank the IET, Turner & Townsend, Buro Happold Engineering and the Bentley Academy in particular who have hosted numerous events and meetings over the year along with the many other companies who provide practical logistical support.

We would also like to take this opportunity to thank all our Patrons for their continued involvement and financial support which has been vital for us and enabled us to deliver so much this year.

Opening Balance	£38,656.00
Patronage Income 2018	£132,300.00
Additional Income from merger of Technology Group and buildingSMART UK & Ireland	£1,338.00
Expenditure – Engagement roadshows, conference events and social media	-£81,808.66
Expenditure – Project delivery costs including publications	-£7,347.95
Expenditure – Operations and buildingSMART International fees	-£24,221.33
Closing Balance	£58,916.06

Stephen Holmes, Shaun Farrell, UK BIM Alliance Operations Co-Leads



NEXT STEPS 2019

EXECUTIVE TEAM

We have welcomed Andy Boutle, Shaun Farrell and Sarah Davidson to the Executive Team and Elaine Lewis joins us as a Non-Executive Director.

Projects will be known as Implementation going forward. Standards as a group will be adopted into both Engagement & Implementation as specific projects. For example the InfrAIR project is part of Implementation instead of sitting under Standards Group.

Events, newsletters, social media, website and PR now form the Engagement strategy, with the stream being made up of Communities, Patrons/Sponsors/Affiliates, Standards, Ambassadors and the Technology Group. David Owens and Jill Guthrie are co-leading Communities with Pam Bhandal and Andy Boutle taking responsibility for the strategy and ambassador programme. David Glennon leads Standards and is now chair of the Technology Group.

Finance, which is vital to support the current and future work of the Alliance, continues to be managed and governed by the Finance committee as part of our Operations and will assess the potential for external larger scale funding. Our Industry funding support will focus on Patrons, Sponsors and Affiliates. This stream will continue sit with Engagement with Pam Bhandal leading, supported by Garry Fannon.

Shaun Farrell is joining Stephen Holmes as co-lead for Operations. Both Shaun and Stephen will be responsible for all things back office and enabling including the website and importantly financial operations including budgeting, invoicing and account reconciliation. They are also responsible for ensuring the right software platforms are being used such as slack, wordpress and google drive and also responsible for the due diligence and implementation of the new Alliance Common Data Environment (CDE).

Looking ahead the Alliance Exec will be considering its future pathway to ensure it remains relevant in the quickly changing ecosystem that is the Built Environment. We will be reviewing our Terms of Reference, confirming our due diligence and looking at our future options. This includes the possibility of incorporation and robust funding to allow the Alliance to do more beneficial work across our community. The current situation of largely pro-bono volunteer support and input will not allow us to achieve what needs to be done, especially in the face of challenging business conditions and the Government's drive for a digital economy and increased productivity.

Anne Kemp will continue as Chair supported by Martin Penney as Vice-Chair.

IMPLEMENTATION

'Projects' has been rebranded as 'Implementation' with David Glennon and Sarah Davidson appointed co-leads. The Implementation process will be revised and shared in Q1 2019 to provide transparency on proposed, ongoing and completed projects and will be presented through the new UK BIM Alliance website. Governance is being refreshed to include decision gates with a robust process to assess and manage project risk.

New project proposals will be encouraged through a structured and advertised 'call' process. This will enable the UK BIM Alliance to prioritise projects, to give timely awards and increase pace of delivery. This new approach will be supported by a more integrated and streamlined website.

Matt Knott continues to be Business Case stream lead; Niraj Mistry is leading the Upskilling stream and Javed Edhataly taking the lead of Optimisation. These will be reviewed to ensure they are still aligned to UK BIM Alliance priorities for 2019. We will also be encouraging others to join in the Implementation stream to provide some resilience to project delivery.

The Implementation team will continue to have a member of the Engagement team involved in all projects once the project has been approved. This is to ensure all branding and communications guidelines are met and a communications plan can be created.

The Implementation team will review and publish an updated Term of Reference and Implementation Plan by the end of Q1.

ENGAGEMENT

Newly appointed Engagement Co-Leads Pam Bhandal and Andy Boutle will undertake a thorough review of the current Engagement Terms of Reference document to identify any gaps in the service. We will create an Engagement Plan to support the goals of the Alliance and an accompanying budget. This plan will include marketing and publicity requirements, key events and speaking engagement, a stakeholder engagement plan and to continue the maturity and outreach of our communities.

OPERATIONS

The first half of the year will be focussed on implementing a Common Data Environment to facilitate better collaboration and management of our project delivery. This will be carefully selected to ensure it meets the very specific needs of our project teams and we would like to thank all those companies who have offered to support us in this area.

We will then be streamlining our operational activity making best use of our communication management and collaboration tools - Slack, Google Drive, Office365 and Sharepoint, Asana project management, Zoho Contact Manager, Mail Chimp and of course our new website which will be going live in early 2019.

Our financial management will continue to be kept lean and transparent with oversight by our Finance Committee and Executive leadership. Our legal entity CIRIA will continue to support our day to day financial transactions and give additional oversight of our income and expenditure. Our expenditure will continue to provide a high standard of engagement across our community. However we will also be deliberately driving greater project delivery and part-supporting industry projects where possible in order to enable the digital transformation of our industry.

Co Leads Stephen Holmes and Shaun Farrell will continue to manage the operational activities of the Alliance supported by a number of individuals helping to keep the UK BIM Alliance running.

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 do not assume any liability for its contents.



info@ukbimalliance.org

www.ukbimalliance.org

@UKBIMAlliance