Response to GCCC Position Paper

A Public Sector BIM Adoption Strategy	CPP 01/17

On behalf of the Office of Government Procurement who is co-ordinating this consultation process we thank you for taking the time to participate in this consultation on the development of a BIM Adoption Strategy for the Public Sector.

Please note that all responses received by the Office of Government Procurement will be published within one month of the deadline for receipt stated below.

Fields highlighted in yellow with bold text indicate a mandatory response, all others are at the discretion of the respondent. If mandatory fields are not completed the response may not be considered.

Responses to be emailed to publicworkscontractsreview@per.gov.ie by close of business on **Thursday, 13 April 2017**.

SECTION A – Respondent's details

Name:	Iain Miskimmin - BIM Advancement Academy
Select the sector title that best describes your area of work:	Other Digital Built Asset advisor and educator
Indicate whether the views expressed are those of a business, organisation or are in a personal capacity:	Other The views and knowledge expressed here are my own gained from experience with working with and for Governments, Major Projects, Clients, Contractors and supply chain in the Crossrail BIM advancement academy .
Do you work in the public or private sector?	Other The Academy has advised across both sectors

SECTION B – Response to structured questions

Q1.	**Does your organisation already have BIM policies/protocols/procedures?**
The BIM academy has experience of many of the global BIM policies and standards. It helped to write some of the UK Level 2 standards and has educated the industry on a global level on how to implement and get the best out of them.	
Q2.	**Has your organisation invested in BIM software?**
Bentley Software supplies BIM enabling software to many of the major projects and client organisations around the world. Its focus on information and data quality allows the bigger impact of BIM to be focused on Business Outcomes rather than just design or construction. It has been the software supplier of choice for delivering the common data environment and BS1192:2007/ PAS1192 part 2 for most major infrastructure projects globally (which will form ISO19650).	

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Q3.	Has your organisation a dedicated BIM manager?

Bentley systems (who is my sponsor) has dedicated BIM advisors, managers and consultants that can assist at every level of the supply chain and every phase during the lifecycle of the asset.

Q4.	Please outline the obstacles that exist to the successful adoption of BIM in your own organisation

There are currently no obstacles in the adoption of BIM in the BIM Advancement Academies. we engage with many of the leading figures in the development of BIM and assist many organisations in their own adoption issues.

Q5.	Please outline the obstacles that exist to the successful adoption of BIM in the construction sector

There are many obstacles to adoption of BIM. If we split them down into People, Process and Technology, we find that the significant issues are with the culture of our industry and the BIM advancement academies are specifically designed to overcome this. Our experience with Crossrail has shown this is the most ignored yet most important aspect of a BIM delivery/ adoption. If we then look at process, we see that standards, methods of delivery and even simple strategies are not in place to give the Client the value of BIM, who, after all is paying for BIM and needs to see genuine business value. Using the experiences of the 5000+ visitors to the Academy program and the shared knowledge across the world setting up asset breakdown structures, asset tagging strategies and asset information requirements and significant steps.
The BIM Advancement Academies have great experience in advising on BIM strategies and assisting in their delivery to the supply chain. In doing so they have helped clients to unlock the business value of BIM throughout the lifecycle.

SECTION C – Response to Position Paper – respondents may wish to provide the response to this section in a separate document, this should be attached with this response and sent to the email address above.

Topic 1 (limited to 3000 characters)
I have concerns with the statements in this document on the benefits of BIM, i feel that they do not address the important impact on the national economy, the social and environmental targets set by the Irish Government. The document states that there is potential programme and cost savings for the client, if BIM is not deployed with a well thought out and strategic target with benefits to the client, then potentially it is doomed to failure. Good BIM means we don't tie down materials or products during the lifecycle, but concentrate on functions that allow us to remain flexible and get the best value for the client and achieve our strategic business outcomes. The inference of a single BIM model, is also concerning here as it suggests that this is one 3D CAD model and not a data model spread over many different but connected "best of breed" data platforms that will help the Client (and the project) make good decisions, answer questions and carry out critical tasks.

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What support can Bentley offer you:

The BIM Advancement Academy offers free briefings, strategic advice and supply chain awareness sessions on BIM (not on BIM technology, but the standards, processes, methods, procedures and lessons learnt from many years of experience) This has no cost to you, just your time and effort.

What technology can Bentley offer you:
Leading CDE technology from Bentley: ProjectWise solution
BIM at heart is about process and people. Bentley's solution ProjectWise Common Data Environment has been widely adapted by Arup, Atkins, AECOM , Jacobs to name a few and their supply chain echo-system. ProjectWise has enabled businesses to create more efficiency around their BIM workflows to ensure a universal standard is being followed in a controlled manner, which enables people within their diverse roles to have increased productivity; reduced costs, reduced risks and time around project delivery.
Please see example case study from Arup in link here: https://www.bentley.com/en/project-profiles/arup_projectwise_bim
ProjectWise is renowned and widely used in Government , Utilities, Aviation, Defence , AEC Sector and in Asset Management.
Improve project performance by integrating people, data, and processes throughout the project lifecycle. Share project information with secure information mobility. Using PCs, tablets, or mobile devices, your project participants will collaborate effectively to keep the project moving forward. Give your project stakeholders visibility into project performance to mitigate risk. You will win more work and develop repeatable best practices to improve your ROI.
First released in 1998, ProjectWise has always been the workhorse for design coordination based on organizational and project workflows, or industry standards such as BS1192. ProjectWise also extends beyond design coordination to comprehensive work-sharing, empowering the project team to collaborate throughout the entire project delivery lifecycle.
•	Collaborative, interoperability to connect global project teams where information and deliverables are available on-demand for improved performance and increased project transparency for comprehensive project delivery.
•	A gold standard for engineering design integration and collaboration for multi-discipline, geographically dispersed teams.
•	Cooperating teams or organizations can now synchronize distinct ProjectWise instances with managed workflows for the exchange and sharing of all types of work packages.
•	Supply chain collaboration to manage the exchange of transmittals, submittals and to solve problems with RFIs and issues resolution, bridging the divide between engineering work-in-progress and the extended supply chain.
•	Complete your capital projects faster with construction and contract management, financial performance and risk monitoring, and an automated electronic construction record.
•	Unparalleled information mobility and federated information access that helps project-intensive companies avoid risk and stay competitive with comprehensive project delivery.

A CONNECTED Project is a better performing project. ProjectWise embraces and ensures BIM workflows and processes are being adhered to ensure projects are being delivered on time and on budget.

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They also offer 3D design and information authoring technologies used by governments, major projects, clients, contractors and consultants worldwide.

some examples can be found here:

https://www.bentley.com/en/about-us/news/2015/november/03/aecosim-building-designer-bim-advancements

https://www.bentley.com/en/project-profiles/bechtel_vauxhall-underground-station-congestion-relief-and-step-free-access-project

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