

Gathering21

Construction Innovations
for Future Generations

CitA

The Programme



5th CitA BIM Gathering Virtual Conference

21 - 23 September 2021

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Welcome to the CitA BIM Gathering website. Building on the successes of 2013, 2015, 2017 and 2019 this event will continue to act as a focal point for all stakeholders, both from home and abroad to come together to share their research, case studies and experiences of working with Building Information Modelking (BIM) and Digital Technologies.

The 5th BIM Gathering conference is being hosted virtually due to the continued presence of COVID-19.

This year the theme of the Gathering will be:

Construction Innovations for Future Generations.

Despite the challenges we face with the continued presence of COVID-19 there is positivity with the rollout of vaccines and the response of the Irish Government to fund a Build Digital Project (2021-2026) providing coordination and leadership to deliver increased digital adoption across the entire Irish construction and built environment sector.

This year the Gathering will focus on what has hindered digital adoption to date and the innovations and interventions that will be necessary to unlock greater productivity in our sector. This includes a cultural shift in attitude towards BIM adoption; enabling a digitally enabled safer and healthier work environment; use of BIM collaboration standards as the new norm; getting BIM and off-site production to work hand in hand; innovative procurement and contract vehicles; highly skilled workforces; smarter cities, smart buildings, and data; new and emerging technologies; more involvement of women in BIM and construction, and a paradigm shift towards a circular economy.

We hope you can join us in September for what will be a fascinating insight into what the future holds for future generations in our industry.

A handwritten signature in blue ink that reads "Alan Hore".

Dr. Alan Hore,
TU Dublin and Co-Founder of CitA



08.25 - 08.30	Welcome Address: Dr. Alan Hore, TU Dublin, Conference Chair		Breakouts 11.15 - 11.20	Theme 1 A Cultural Shift in Attitude Towards BIM Chair: Dr. Ken Thomas, Waterford IT	Theme 2 BIM Standards and Open BIM Chair: Dr. Roger West, Trinity College Dublin
Breakouts	Theme 1 A Cultural Shift in Attitude Towards BIM Chair: Dr. Alan Hore, TU Dublin and CitA	Theme 2 Smarter Cities, Smart Building and Data Chair: Louise Kelly, UK BIM Alliance Ambassador			
08.30 - 08.45	Enhancing asset management for offshore lighthouses utilising BIM integrated sensor analysis Michael O'Shea, UCC	Integrating Computational Design into Structural Engineering Workflows Sean Carroll, MTU	11.20 - 11.35	Ongoing cloud-BIM research activities at UCD: exploring semantic web-based approaches to support FM and BAS processes Conor Shaw, UCD	Can current BIM standards and technologies be applied to, and adopted, by façade consultants /contractors to meet their needs and the requirements to be BIM Stage 2 compliant? Brendan Joziassse, Henry J Lyons
08.45 - 09.00	The UK BIM Framework – standards and guidance to implement information management throughout the asset life-cycle David Churcher, UK BIM Alliance	Innovation and Transformation of Multi-Project Management practices in the AEC sector in Ireland Barry Kirrane, IT Sligo	11.35 - 11.50	A Proposal to Harmonize BIM and IoT Data Silos using Blockchain Applications Zulkefly Abu Bakar, MCA Architects	Digital Construction and BIM Research Ireland 2016-2020 Dr. Roger West, Trinity College Dublin
09.00 - 09.15	Enabling a Twin Transition: Digitalization for a Circular Built Environment Mark Kelly, GMIT	From Building Simulation Software to Ontology Language: Using a Calibrated HVAC Model as the Core of a Digital Twin Platform Adalberto Guerra Cabrera, IES Ltd	11.50 - 12.05	Can the implementation of Building Information Modelling (Digital Construction) improve delivery of Capital Projects (Design and Construction) for the Health Service in association with the development of a new National Estates Information System? Michael Martin, HSE Estates	Open Information Containers: Document interoperability for AEC sectors John Egan, BIMLauncher
09.15 - 09.25	Q&A and close of session		12.05 - 12.15 Q&A and close of session		
09.25 - 09.35	T&C Break 		12.15 - 12.25 T&C Break 		
09.35 - 09.40	Plenary Chair: Emma Hayes, Digital Built Consultants		12.25 - 12.30 Plenary Chair: Dr. Alan Hore, TU Dublin and CitA		
09.40 - 10.00	Keynote Address: Rebecca De Cicco, Principal Digital Operations, Aurecon How digitisation of the construction industry will impact on the future of a globally connected world.		12.30 - 12.45 Sponsor - Speaker: David Purdon, Technical Director, Diotec Group Getting BIM & Industrialized Construction to work hand in hand		
10.00 - 10.20	Keynote Address: Dr Claire Penny, Global Digital Evangelist, Invicara Are you part of the problem or part of the solution?		12.45 - 13.05 Keynote Address - Dr. Anne Kemp, OBE, Fellow and Technical Director, Atkins and Chair of UK BIM Alliance The Future is Now		
10.20 - 10.35	Keynote Address: PJ Rudden, Chairman of Construction Sector Innovation and Digital Adoption at Dept of Public Expenditure and Reform Progress Update on the Construction Sector Group (CSG) Innovation and Digital Adoption Project		13.05 - 13.25 Keynote Address - Alain Waha, Chief Technology Officer - Buro Happold and co-founder COGITAL Will the Metaverse culture unlock the platformisation of the AEC?		
10.35 - 10.50	Sponsor - Speaker: Amy Marks VP of Industrialized Construction Strategy & Evangelism, Autodesk Getting BIM & Industrialized Construction to work hand in hand		13.25 - 13.50 Q&A		
10.50 - 11.05	Q&A and close of session		13.50 - 13.55 Closing Address: Dr. Alan Hore, TU Dublin, Conference and Plenary Chair		
11.05 - 11.15	T&C Break 		13.55 - 14.30 Networking		

08.25 - 08.30	Welcome Address: Dr. Claire Penny, Invicara, Chair		Breakouts 11.15 - 11.20	Theme 1 A Cultural Shift in Attitude Towards BIM Chair: Dr. Barry McAuley, TU Dublin	Theme 2 Getting BIM and Off-Site Production to Work Hand in Hand Chair: Pat Kirwan, Henry J Lyons
Breakouts	Theme 1 Innovative Procurement and Contract Vehicles Chair: Dr. Claire Penny Invicara	Theme 2 New and Emerging Technologies Chair: Dr. Alan Hore, TU Dublin and CitA	11.20 - 11.35	OPW Revit Template – an enabler to increase the implementation of BIM on OPW projects Michael Day, Office of Public Works	Modern Methods of Construction - A driver for increased levels of output in the Irish Residential Market Pat Kirwan, Henry J Lyons
08.30 - 08.45	Collaborative Contracts in a BIM Environment – Learning from the Liscate School Project Louis Gunnigan, TU Dublin	Drones in Construction William Adams, Felix O'Hare Ltd and Tara Brooks, Queens University Belfast	11.35 - 11.50	A Critical Appraisal of 4D BIM Technologies for Safety Planning and Site Safety for Temporary Works at the Construction Stage Alan Farrell	Can Ireland deliver the stable quantum to sustain a viable volumetric off-site industry? Micheál Keohane, Modern Homes Ireland
08.45 - 09.00	Work Breakdown Structure Applied in BIM Framework in a Construction Project. Case Study: La Rotonda of Verona Riccardo Romaniello and Farzane Shahriari, BIMake	Digital Toolchains for MMC – the CIH example Alain Waha , Chief Technology Officer - Buro Happold and Co-founder, Cogital	11.50 - 12.05	A Systematic Literature Review of Lean and BIM synergies with a focus on SMEs Marina Andreou, TU Dublin	BIM-based parametric adaptive design of kinetic shell facades in buildings Dr. Ibrahim Motawa, Ulster University
09.00 - 09.15	Exchange Information Requirements (EIR) and BIM Execution Plans (BEP) according to ISO 19650, explaining CEN/TR 17654:2021 Robert Moore, Grangegorman Development Agency	Remote Working in the Irish Construction Industry: Using Technology to Create Digitally Enabled Work Environments IT Sligo Gearóid Murray, IT Sligo	12.05 - 12.15	Q&A and close of session	
09.15 - 09.25	Q&A and close of session		12.15 - 12.25	T&C Break 	
09.25 - 09.35	T&C Break 		12.25 - 12.30	Plenary Chair: Mary Flynn, Dublin City Council	
09.35 - 09.40	Plenary Chair: John McGowan, Tualatin		12.30 - 12.45	Sponsor - Speaker: Ash Curzon, Strategic accounts, design and engineering, Revizto Collaboration where you're comfortable	
09.40 - 10.00	Keynote Address - Professor Thomas Bock, TU Munich, Chair for Building Realization and Robotics Transform construction by robotic innovation		12.45 - 13.05	Keynote Address - Alexandra Bolton, CDBB's Executive Director, University of Cambridge The Future is Now	
10.00 - 10.20	Keynote Address - May Winfield, Global Director of Commercial, Legal and Digital Risks, Solicitor, Buro Happold A Guide To Legal/Contractual BIM for Non-Lawyers		13.05 - 13.25	Keynote Address - Susan Keenlside, Senior Program Manager at House of Commons of Canada Chambre des communes du Canada Applied Innovation Approach for Digital Transformation at the House of Commons Canada: How Digital Delivery and Digital Twins are Challenging Norms in Public Sector Asset Lifecycle	
10.20 - 10.35	Sponsor - Speaker: Stephen Foley, Head of Bid Department, Collen Construction Collen's BIM Journey		13.25 - 13.50	Q&A	
10.35 - 10.50	Sponsor - Speaker: Thomas Noctor, Senior Strategic Product Consultant, Procure Technologies Looking Ahead to 2022 and Beyond: How Smarter Construction is Evolving		13.50 - 13.55	Closing Address: Dr. Alan Hore, TU Dublin, Conference and Plenary Chair	
10.50 - 11.05	Q&A and close of session		13.55 - 14.30	Networking	
11.05 - 11.15	T&C Break 				

08.25 - 08.30	Welcome Address: Ralph Montague, ARCDX, Chair		Breakouts 11.15 - 11.20	Theme 1 The Digital QS Chair: Ross Griffin, 5th Dimension	Theme 2 Highly Skilled Workforces Chair: Paul McCormack, Belfast Met
Breakouts	Theme 1 Contemporary challenges in Construction Chair: Ralph Montague, ARCDX	Theme 2 Highly Skilled Workforces Chair: Gerard Nicholson, GMT	11.20 - 11.35	The Fifth Dimension - BIM 5D Ross Griffin and Elia González Salas 5th Dimension	The deployment of gaming technology in the construction industry and educational sector: Opportunities and Barriers Gerard Nicholson, GMT
08.30 - 08.45	Diversity in digital construction and BIM Elia González Salas, KOSMOS	Rethinking Higher Education's Role in Lifelong Learning for a Transformative Built Environment Sector Mark Kelly & John Scahill, GMT	11.35 - 11.50	Re-imagining Quantity Surveying Gervase Cunningham, Ulster University	ARISE - inspiring demand for sustainable energy skills, by providing clear learning interactions, transparency of upskilling transactions and recognition of qualifications achieved Paul McCormack, Belfast Met
08.45 - 09.00	NBS Digital Construction Survey 2021 - Preview of Headline Findings David Bane NBS	Recognised Micro-learning to support the Digital Journey in the Construction Industry Elisabeth O'Brien, DASBE Manager, LIT	11.50 - 12.05	Creating opportunities for successful adoption of 5D BIM for Estimators/QSs Animesh Sourabh, MagiCAD	Building SMART BIM Certification Programme Casey Rutland, Vice Chair UK BIM Alliance
09.00 - 09.15	A Critical Review of the Requirements of Quantity Surveyors for Collaborative BIM Engagement and Success Mary Flynn, Dublin City Council	The Construction robotics for off-site manufacturing Tony Woods, Managing Director, Midland Steel	12.05 - 12.15	Q&A and close of session	
09.15 - 09.25	Q&A and close of session		12.15 - 12.25	T&C Break ☕	
09.25 - 09.35	T&C Break ☕		12.25 - 12.30	Plenary Chair: Mark Costello, RPS	
09.35 - 09.40	Plenary Chair: Dr. Alan Hore, TU Dublin and CitA		12.30 - 12.45	Sponsor - Speaker: Herman van Eeden, Senior Consultant, RIB Software BIM Revisions: Bringing Cost Plans to Life	
09.40 - 10.00	Keynote Address - Pdraig Delaney, London Regional Manager for Digital Construction, Sir Robert McAlpine Ltd Supporting People in the Digital World – How Sir Robert McAlpine have supported their delivery teams to improve digital competence		12.45 - 13.05	Sponsor - Speaker - Speaker Veljko Janjic, CEO, BEXEL Consulting Innovations and Maturity Levels in openBIM Project Management	
10.00 - 10.20	Keynote Address - Elisabeth O'Brien, DABSE Manager, LIT Academy for the Sustainable Built Environment (DASBE) - A unified Hub for provision of upskilling, capacity building and education across Ireland.		13.05 - 13.25	Keynote Address - David Philp, Global BIM/IM Consultancy Director, AECOM Construction 4.0 redefining our professions	
10.20 - 10.35	Sponsor - Speaker: Andrew Bellerby, Managing Director, UK Solibri Model Checking, why it should matter to you!		13.25 - 13.50	Q&A	
10.35 - 10.50	Sponsor - Speaker: Luka Stefanovic, Architect Product Specialist, Vectorworks BIM workflows, validation and sustainability in Vectorworks Architect		13.50 - 13.55	Closing Address: Dr. Alan Hore, TU Dublin, Conference and Plenary Chair	
10.50 - 11.05	Q&A and close of session		13.55 - 14.30	Networking	
11.05 - 11.15	T&C Break ☕				



Thomas Bock

Prof. Dr.-Ing./Univ.Tokio, Prof.h.c.mult.; Dr.h.c.SWSU
TU Munich

Professor Bock's research and prototype development work on proposed solutions for affordable housing, energy-efficient renovation and the aging society. The basics for building robotics kinematics with their ecosystems are determined, the associated building product systems are developed. Prof. Bock studied at the University of Stuttgart, at the IIT in Chicago and at the University of Tokyo. At the CNRS in France he founded the first European commission for building robotics. In 1989 he was appointed to the University of Karlsruhe (TH) before he was appointed to the Chair of Building Realization and Building Robotics at TUM in 1997. He has worked on over 50 automated and robotized product and production systems in the most innovative construction companies in Europe, the USA and Japan. He is a co-founder of the IAARC and the Asian Habitat Society and advises governments and academies worldwide. In 2017, the DFG awarded him the Seibold Prize for his 35 years of pioneering research in building robotics. He is (co-) author of over 500 articles in several languages, has been awarded several honorary professorships and holds various fellowships, honorary and visiting professorships. He is co-editor of various specialist journals and co-author of the world's first book series on "Construction Robotics" at Cambridge University Press since 2015. AEC sector, he has held roles as CEO of VC backed venture Atlas Industries and Satellier Inc. His experience spans the AEC supply chain, across Europe, US and Asia.



Alexandra Bolton

CDBB's Executive Director
University of Cambridge

Alexandra Bolton has been CDBB's Executive Director since the Centre came to Cambridge in August 2017. She works across CDBB's programmes, including the National Digital Twin programme and the Construction Innovation Hub, to advance the digital transformation of the built environment in order to improve people's quality of life through improving social, economic and environmental outcomes. Alexandra has had a varied career, having worked in industry and the City before joining the University of Cambridge in 2014.





Rebecca de Cicco

Principal Digital Operations
Aurecon

Rebecca De Cicco is the Founding Director of Digital Node, a Digital Consultancy focused on the uptake and implementation of BIM & Digital Engineering across the Construction Sector. Her work extends across multiple regions and clients across the UK, USA, China and ANZ supporting the uptake of new and innovative technologies and approaches toward delivery of both buildings and infrastructure assets. In March 2021, Digital Node was acquired by global advisory firm Aurecon, who were impressed by Rebecca's skill, knowledge and global connection across the digital construction landscape. She now acts as the Principal of Digital Operations for the group globally, informing, advising and strategically aligning Aurecon's digital enablement and future. Rebecca is also the Founder of the not for profit initiative, Women in BIM (WIB), which was established to support diversity and inclusivity in the construction technology arena. This group, established in the UK, now has regional representation across 40 countries, with members all over the world.



Padraig Delaney

London Regional Manager for Digital Construction
Sir Robert McAlpine

A Laois native & Waterford IT graduate of Architectural Technology, Padraig is responsible for Digital Construction across the London Region at Tier 1 Main Contractor Sir Robert McAlpine, a pioneer and leading firm for digital construction. Padraig is responsible for both strategy and digital construction delivery, working with some of Britain's largest clients, such as British Land & Landsec to deliver their smart and digital objectives. Padraig's main focus is to make digital construction tangible and understandable with clearly defined value for all stakeholders.





Dr Anne Kemp

Fellow and Technical Director in Atkins
Chair of UK BIM Alliance

Anne is a Fellow and Technical Director at Atkins. Anne has been with Atkins for 25 years, where she first introduced GIS to the business, and has acted as advisor to a wide range of projects, ranging from contaminated land to large data management projects. Anne is also chair of buildingSMART UKI, and convenor of international and UK BIM standards. She is also convenor for the strategic direction of digital transformation within the built environment for ISO and was awarded the ICE President's Award in 2017. She was also named Geospatial Professional of the Year at the 2019 GEO Business awards. Anne also sits on the Centre of Digital Built Britain's advisory board and is part of its Digital Framework Task Group. She has chaired the UK BIM Alliance since its inception and received the OBE in recognition of the role she has played in helping the UK understand how the construction and infrastructure sectors could use a digital approach to better design, build, operate, and integrate the built environment.



Susan Keenlside

Senior Programme Manager
House of Commons Canada

Susan Keenlside is Senior Program Manager, Facilities Management at the House of Commons Canada. As a subject matter expert in Building Information Modelling (BIM) and the Digital Built Environment (DBE), she works within the Digital Services and Real Property Directorate to develop the competency and capacity needed for today's technology landscape of digital built environment information, including Facilities Management and Asset Lifecycle information. Susan is a Fellow of buildingSMART International (bSCI), a Board Member of buildingSMART Canada (bSI), and Program Manager for the buildingSMART International Awards Program. She currently chairs the Expert Group for the "FM & openBIM" Project at bSI. She is a new member to the IFMA ITC Board (International Facilities Management Association, Information Technology Community), having recently presented on "Real World BIM" with an IFMA-ITC panel of experts. Susan sits on various ISO committees for standards development and a Standards Council of Canada committee on SMART standards.





Elisabeth O'Brien

DASBE Manager
LIT

Elisabeth is a chartered architect and sustainable energy engineer. She is a member of the Royal Institute of the Architects of Ireland (RIAI) and completed a Masters in Sustainable Energy Engineering. Elisabeth managed an architectural practice for 17 years, specialising in the design, tendering and construction of sustainable retrofit and new builds using the REVIT BIM programme. As the Project Support Officer of the Development Unit in LIT, she assisted with the coordination of the BUSI Build Up Skills QualiBuild and led/leads dissemination, training, skills and building capacity in projects - A2PBEER, Train-to-nZEB, VET4LEC, FREED, and currently BIMzeED, BUNRs project and Erasmus+ Sector Skills Alliance Construction Blueprint Project. Elisabeth has extensive experience in sustainable design and project management within the construction sector and has a wealth of knowledge on renewables, energy auditing, sustainable techniques and technologies.



Claire Penny

Global Digital Evangelist
Invicara

Claire brings to Invicara a combination of her passion, experience and learning from the past 21 years, enabling her to effectively assist companies on their own transformational journey. She previously worked at IBM for over 19 years where she was the Global Industry Leader at IBM for the Watson IoT for Cognitive Buildings group. More recently she was the Commercial Director at Wia Technologies Ltd, an IoT Start-up focusing on Smart Buildings. She has a record of successfully converting innovation projects into commercialized, revenue generating products, and for driving results across matrixed global teams.

Claire's external commitments include Non-Executive Director on the board of CITA (Construction IT Alliance) Ireland and Non-Executive Director of Producer Register Ltd (PRL). She is also very active within the BSI and is involved with the revision of many British Standards relating to the Facilities Management.





David Philp

Digital Strategy and Innovation Director
AECOM

With over 27 years in industry David is a Chartered Construction Manager by background and Director for Digital Strategy and Innovation at AECOM, the global, fully integrated services firm. He was previously employed by Mace as Head of BIM and Technical Services / BIM Programme Director with Balfour Beatty. David has been involved in delivering innovative Digital change, BIM and digital asset management strategies across the globe from UK, Hong-Kong, Singapore, Australia and the Baltics. Additionally, David is Vice Chair of the Construction Scotland Innovation Centre.

A Fellow of the ICE, RICS and CIOB he has completed the Virtual Design and Construct at Stanford University, CA, and is a visiting professor at Heriot Watt and Middlesex University. He is also a member of the BSI BIM Standards Committee.



P J Rudden

Chairman of Innovation and Digital Adoption
Department of Public Expenditure and Reform

P J Rudden is Chairman of Innovation and Digital Adoption with Department of Public Expenditure and Reform (DPER) since September 2020. His role is to manage and oversee a number of integrated Innovation activities for the Construction Sector Group as recommended in the recent KPMG Report on Productivity in the Irish Construction Industry commissioned by DPER. The purpose of these activities is to assist the industry to better deliver Project Ireland 2040 and National Development Plan for Government.

He is also founder of Aengus Consulting an innovation and stakeholder engagement consultancy across a number of industry sectors having been heavily involved in the planning design and development of large scale infrastructure projects over 30 years. He is a former RPS Director, former President of Engineers Ireland and former President of UCD Engineering Graduates Association.





Alain Waha
Co-founder Cogital

Alain is the global lead for Technology at Buro Happold. Reporting to the CEO, he convenes the Technology Strategy Board and steers a number of technology initiatives including Digitalised & Industrial Construction. He is also co-founder of Cogital which specializes in Digital Transformation Strategy and Ventures incubation in #proptech and #buildtech. Alain is a regular invited speaker on Digital Transformation at industry events with leading institutions such as Stanford CIFE in California, AMCA in Australia, ICE in UK, BBRI in Belgium, and many others: BUILTWorlds, BILT, AutoDesk Futures Symposium. Alain also sits on a number of VC and Digital advisory boards, including HS2 Digital advisory panel, the Construction Innovation Hub's Digital Working group, Helix.re, 3Drepo.io, Kinship.io, Vu.City, Xinaps.com, and the Building Ventures Investment network. Alain joined the construction industry in 2008 after a career in Aerospace and Automotive. In the AEC sector, he has held roles as CEO of VC backed venture Atlas Industries and Satellier Inc. His experience spans the AEC supply chain, across Europe, US and Asia.



May Winfield
Global Director of Commercial, Legal and Digital Risks,
Solicitor
Buro Happold

May is a senior construction and insurance lawyer with over 16 years' experience. She has worked for various international organisations within the design and construction industry, as well as advising and representing insurers in this field. May is a member of various industry groups, including chair of BIM4Legal, core member of 4D Construction Group and a member of the CDBB Roadmap Working 2020 Group, May was recognised as the 'Best Woman in Construction Law' at the European Women In Construction and Engineering Awards (WICE) in honour of her work in the industry.





Autodesk Construction Cloud™ combines advanced technology, a unique builder's network and predictive insights to connect people and data across the entire building lifecycle, from design through operations. Our mission is to help teams meet the world's rapidly expanding building and infrastructure needs, while making construction more predictable, safe and sustainable.

Autodesk Construction Cloud is the first step in realizing this mission. As we continue to build, we look forward to partnering closely with you to help drive productivity, reduce risk and guide the industry forward. Autodesk Construction Cloud brings these solutions together, and with Autodesk's established design authoring tools, connects headquarters, office and field teams to increase collaboration and productivity. The breadth of our portfolio, the depth of our capabilities and the connections that bring together meaningful workflows ushers in a new era of connected construction.



BEXEL CONSULTING is a modern state-of-the-art technology vendor, construction digital transformation, and engineering consultancy company, a winner of buildingSMART International Innovation Award 2020. BEXEL aids in overcoming the most complex design and construction-related issues using a fine-tuned synergy of innovation, technology, and drive with knowledge, experience, and expertise. With BEXEL Manager, the innovative construction management BIM platform that integrates the most important 3D/4D/5D/6D uses of BIM technology, BEXEL changes the perspective of integrated project management allowing you to optimize your digital workflows and take advantage of advanced open BIM.



Collen Construction is a family-owned company with a history dating back over 200 years and a reputation for building quality and excellence. The firm is currently ranked in the top ten main building contractors in Ireland and has experience in private and public-sector projects as a design and build contractor, management contractor and joint venture partner. The company's portfolio includes commercial office fit-outs, data centres, life sciences, industrial warehousing, retail, conservation and refurbishment projects, ranging in value from under €1 million up to €700 million.





The Diatec Group is Ireland's leading Autodesk partner focussed on digitising the Construction Industry. Diatec leverages its highly skilled industry focussed team to deliver integrated solutions based on Autodesk's BIM 360 digital project delivery platform & AEC software to its clients in Architecture, Engineering & the Built Environment. Diatec deploys & delivers Autodesk software, instructor led & eLearning training, consultancy, ICT systems & cloud compute & assists customers with the latest digital workflows for Design & Construction project delivery. Established 1993 & with a staff of 50 & offices in Dublin, Galway & Cork (C-CAD a Diatec Group Company). Diatec builds close working partnerships with their customers based on service & trust, going the extra mile & their extensive sectoral knowledge.



Procore manages your projects, resources and commercials from project planning to closeout. Our platform connects every project contributor to solutions we've built specifically for the construction industry. Our App Marketplace has partner solutions that integrate seamlessly with our platform, giving you the freedom to connect with what works best for you, even if we don't build it. With unlimited users, storage and support, Procore enables you to increase efficiency, reduce risk, and standardise processes. It helps you bring your teams together, establish a single source of truth and make better decisions, faster. One focus: the construction industry. One measure of success: your success. One platform: to connect everything and everyone.



Revizto is created by Vizerra SA with HQ in Lausanne, Switzerland and began developing real-time issue tracking software for the AEC industry in 2008. The primary focus of Revizto is to provide a BIM collaboration platform for 3D and 2D workflows that enables users to work and communicate with all project stakeholders in a unified software environment. Currently, more than 100,000 AEC professionals in 150 countries rely on Revizto every day as a project coordination tool on thousands of construction projects.





RIB Software is a pioneering enterprise committed to driving innovation and technological advances in the construction and real estate industries. iTWO costX by RIB, used throughout Ireland & the UK, is the complete estimating solution; with 2D takeoff, 5D BIM support, integrated workbooks, and customisable reports, all in the one program. Become faster, smarter & more accurate today with iTWO costX. Contact our team for your free demonstration!



Solibri is the leader in BIM Quality Assurance and Quality Control. Providing out of the box tools for BIM validation, compliance control, design process coordination, design review, analysis and code checking. Solibri develops and markets quality assurance solutions that improve BIM-based design and make the entire design and construction process more productive and cost effective. Solibri's customers include major building owners, construction companies, architects and engineering firms in more than 70 countries. It is part of the Nemetschek Group and based in Helsinki, with offices in the US, UK, Germany and Spain. Solibri continues to work to save time, money and the environment.



Vectorworks is an award-winning 3D design software provider serving the architecture, landscape architecture and entertainment industries in 85 countries. Creating intuitive software since 1985, the company has become the pre-eminent solution built to manage the entire design process. Globally more than 685,000 users are creating, connecting and influencing the next generation of design with Vectorworks on Mac and Windows. Headquartered in Columbia, Maryland, with offices in Newbury and London, England and Vancouver, Canada, Vectorworks is a part of the Nemetschek Group.





Bre are an innovative group of researchers, scientists, engineers, and technicians who share a common goal – to make the built environment better for all. We generate new knowledge through independent research. This is used to create the products, standards and qualifications that help to ensure buildings, homes and communities are safe, efficient, productive, sustainable and enjoyable places to be. Our customers use our expertise and services to deliver their social, environmental, and economic goals.



The Fifth Dimension is at the core of your project's economic health, where all commercial activity is tracked, shared between stakeholders, and stored in order to close the Life Cycle of your project's economy. What we are doing is out of passion, a passion to change the industry, a passion to digitise, a passion for the truth and a passion for transparency. The FIFTH DIMENSION is the single source of truth for your projects current and historical commercial activity. Analytical value driven cost management... WELCOME TO THE FUTURE



Gathering21

Construction Innovations
for Future Generations

CITA

Construction IT Alliance

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Harnessing the potential of
**Information Communications
Technology** in the
Irish Construction Industry