



# Capability Statement

Dumfries and  
Galloway  
Royal  
Infirmary  
Main Entrance



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South West Lands, Wembley



Manchester Central Library



Queensferry High School, Scotland



India Buildings, Liverpool



**About us.** 



# About Us

## Digital innovators in the built environment

**At BIM Academy we are a team of visionaries, on a mission to digitally transform the built environment.**

We act with integrity and we always do what we say we are going to do. We believe in trust and transparency, we're authentic and agile, we work throughout every continent to bring the very best in future-thinking to client projects.

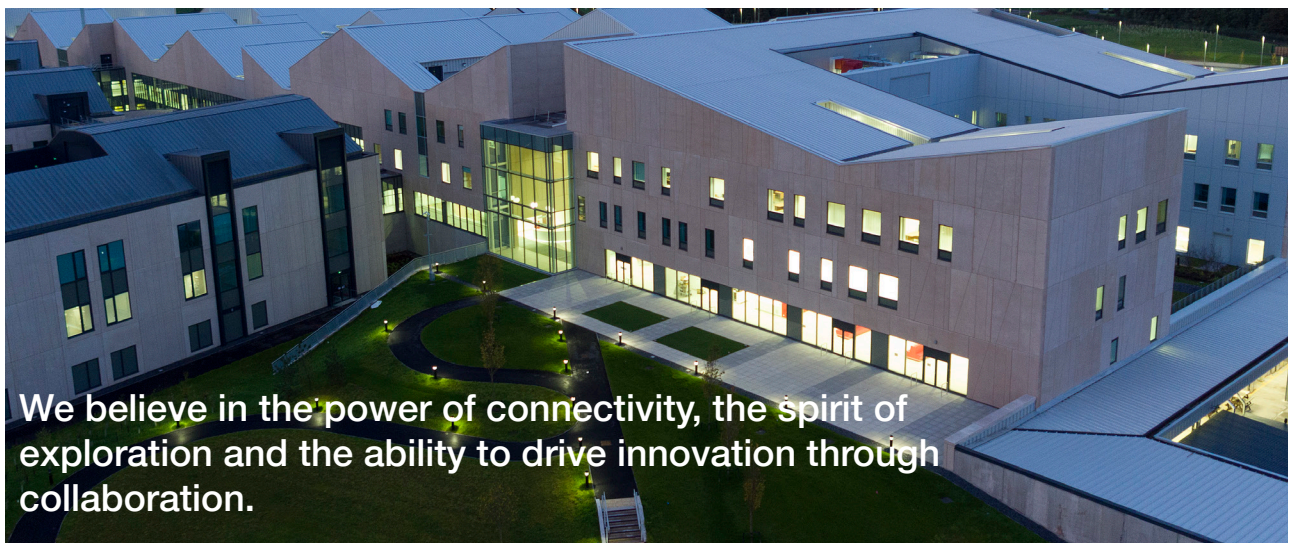
We are digital construction specialists, skilled in unlocking your digital potential to drive project success and organisational growth.

BIM Academy was born in 2010 out of a joint venture between Ryder Architecture and Northumbria University, with the intention of establishing a centre of excellence for digital construction and transformation.

Today we have achieved such status and have taken further steps to transition into one of the world's leading research and strategic consultants in the global digital built environment.

We provide valuable support for construction, real estate and infrastructure through our strategic vision and project management and software development expertise.

At BIM Academy, we help transform businesses through our intelligent application of BIM, smart processes and digital technologies, by guiding our clients along a clear pathway towards achieving their goal, whilst always mindful of adding value and reducing risk.



**We believe in the power of connectivity, the spirit of exploration and the ability to drive innovation through collaboration.**



**Dumfries and Galloway  
Royal Infirmary**

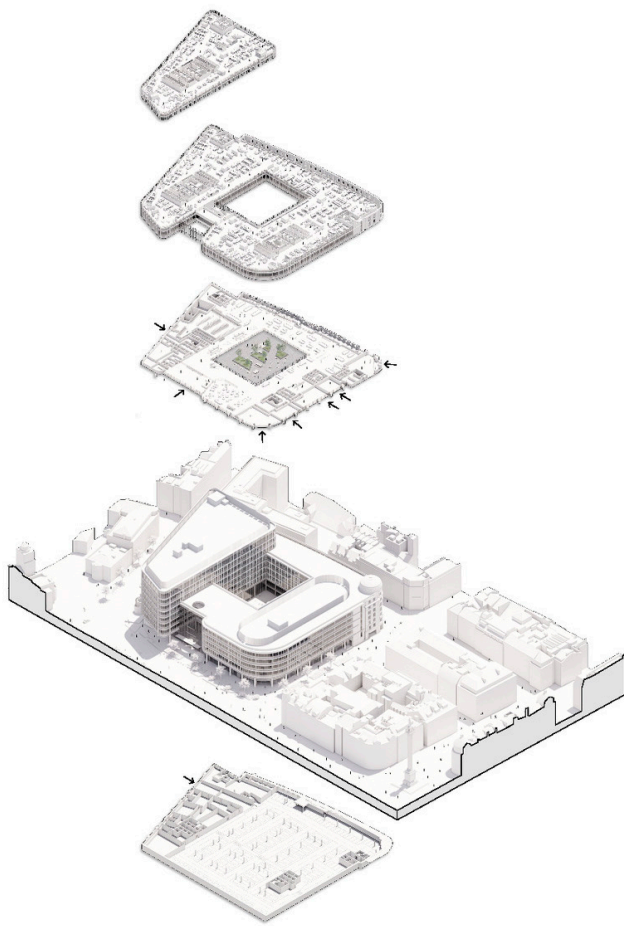


**Services.** 



# Services

Digital solutions for planning, design, construction and operation



Pilgrim's Quarter, Newcastle

Strategic Advisory

Information Management

Technical Delivery

Training and Development

Digital Cost Management



# Strategic Advisory

## Transforming business processes together

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**At BIM Academy we help our clients solve increasingly complex business challenges. Utilising a bespoke set of tools, we offer digital expertise and solutions to help clients adopt digital processes and technologies to overcome these challenges, reach their goals and make their business more competitive.**

When businesses adopt digital workflows, they need to think differently about their processes, how they are managed and how the results can be measured.

In order to fully realise the advantages of this digital transformation, businesses need to go beyond just learning to use digital tools. They often need to fundamentally change how they operate and sometimes this includes cultural change.

Our strategic approach helps our clients achieve digital, business and cultural transformations. We bring new thinking to business and project processes, allowing businesses to become more agile, innovative, digitally responsive and ultimately more successful.



Sydney Opera House, Australia



# Information Management

## Optimising performance to maximise value

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**We run client projects from their inception to completion for the digital management of information, data and processes.**

After working with clients to develop their digital information strategies, we then transition to the implementation of the strategy for the construction phase and beyond, throughout the lifecycle of the asset.

In our unique approach, we can take ownership of the full digital project, mobilise the team, define the project information requirements and manage delivery. We ensure a smooth and effective implementation by bringing people and information together, using clearly defined processes and technology.

Embedding digital workflows right from inception helps to protect and prioritise an organisations development objectives. We apply digital systems (including BIM) to help the project team to better understanding project workflows, manage project data and models and reduce risk, particularly due to unreliable uncoordinated or missing data which ultimately lead to rework and reduced performance.

By fostering collaboration and innovation across the whole organisation or project team, we help clients drive efficiency and reduce risk, keeping projects on schedule and on budget.



**Pilgrim's Quarter, Newcastle upon Tyne**

# Technical Delivery

## Innovative, collaborative and precise

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**BIM Academy's technical delivery services represents the pinnacle of Building Information Modelling excellence.**

Our offerings encompass a comprehensive suite of services tailored to meet the dynamic needs of digital construction. Our proficiency in model management planning ensures that the 3D model's data integrity, structure, and flow align seamlessly with the project's digital strategy.

Our expertise in 3D Model Coordination and Clash Avoidance Strategies means that potential issues are anticipated and addressed long before they occur, ensuring smoother construction processes and reduced chances of costly rework.

Digital design modelling best practices are at the heart of our approach. By leveraging the latest tools and technologies, we empower projects to achieve designs that are not just aesthetically pleasing but also technically sound and feasible.

Our expertise in construction simulation modeling, or 4D, offers stakeholders a dynamic visual representation of the construction sequence. This helps identify challenges and streamline the project timeline.

From project initiation to completion, our goal is to enhance projects with digital capabilities, ensuring efficient execution within budget and surpassing expectations.





# Training and Development

## Achieving a true understanding of digital construction

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All of our training is designed to meet the needs of professionals in the built environment who are seeking to develop their knowledge, skills and understanding in all areas of digital information management, software and workflows.

We draw upon our extensive knowledge and experience gained from practical application in industry since 2003 and our award winning consultancy since 2010, together with world leading academic research.

Our training includes an introduction to BIM, digital construction and operation, through to an intensive tailored multi day Virtual Project workshop that allows delegates to collectively experience the full lifecycle of a BIM project in a hands-on risk free collaborative environment.

We carry out an initial training needs assessment and work with you to build your personal training programme to support digital adoption and implementation.





# Digital Cost Management

## Building tomorrow, managing costs today

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**With BIM Academy, cost management isn't just about numbers—it's about value, sustainability, and long-term vision.**

Our digital cost management services stand at the forefront of contemporary construction commercial planning. Our approach is characterized by an intricate blend of innovation, precision, and an unwavering commitment to value-driven outcomes.

Central to our offerings is risk mitigation, where we deploy advanced analytics to identify, assess, and proactively address potential commercial pitfalls before issues arise. Using sophisticated quantity takeoff methods and comprehensive bill of quantity generation, we ensure that every material, component, and resource is accurately accounted for, facilitating transparent and predictable budgeting, which is crucial for effective financial management in construction.

Our primary strength lies in the field of cost and material quantification. Our team employs advanced 5D cost modeling to offer a comprehensive, real-time cost perspective that evolves alongside the project timeline.

This approach extends to our thorough whole-life cycle analysis, providing stakeholders with informed decision-making insights, not only for construction but throughout the asset's lifespan.

As part of our dedication to sustainable construction, our carbon calculation services provide essential information on a project's environmental impact, assisting in the selection of eco-friendly alternatives.



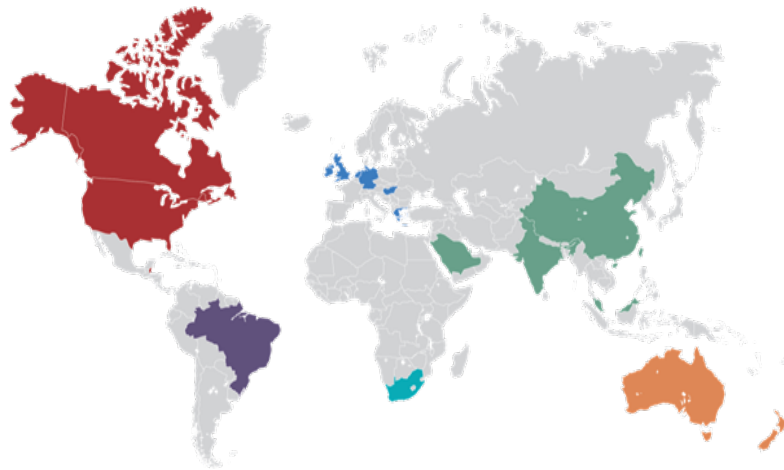


Clients.

# Our Clients

## Delivering value across the globe

At BIM Academy we bring a new perspective to the world of digital, enabling our clients to achieve better results.



24 countries



18 research projects



12 industries



750 projects



10,000 people trained



\$10bn value



11 awards



9 PhDs

We are proud to highlight our extensive track record of successful project execution, spanning more than 750 projects across 24 countries. Our commitment to excellence has allowed us to serve a diverse range of clients, each with unique needs and representing a broad spectrum of industries. This breadth of experience positions us as a trusted partner capable of meeting the most demanding project requirements.

We have developed a deep understanding of international markets and cultures. This global perspective enables us to navigate the complexities of cross-border projects and tailor our services to meet the specific challenges and opportunities presented by each location. Our client base is as varied as the projects we undertake.

We have had the privilege of collaborating with organizations from industries including but not limited to healthcare, technology, manufacturing, finance, and hospitality. This rich tapestry of clientele has given us insight into the unique demands and intricacies of each sector.

Recognizing that no two clients are alike, we approach each project with a commitment to personalized solutions. We take the time to understand the distinct requirements of our clients, ensuring that our services are aligned with their strategic objectives and industry-specific needs.

Our extensive project portfolio, spanning a wide array of industries and geographies, underscores our versatility and adaptability. This diverse experience equips us with the knowledge and expertise necessary to tackle the most complex challenges and deliver innovative solutions.



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Member of the Ryder Alliance

## **Ryder**

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