

THE ARK

WHERE DESIGN & COLLABORATION MEET

NEVER BEFORE HAS COLLABORATION BEEN THIS EASY.

A new era has dawned with the iconic Ark in North Sydney designed by leading architects Rice Daubney and built by high-profile construction contractors Thiess. Ark breaks boundaries, challenges traditions and sets new design benchmarks. For the first time, a high-rise building has been completely designed and constructed using Building Information Modeling (BIM).

WHAT IS BIM?

Founded on Open Standards, BIM enables architects, engineers, design and construct contractors, building consultants and owners to truly collaborate using integrated tools throughout the design and construction process allowing streamlined on-going maintenance of the completed building. BIM saves time and money enabling precise design, improved productivity and allowing informed decisions to be made.



Ark Creates BIM History

Ark is testimony to the benefits of a true and complete BIM environment - from initial design conceptualisation through to the construction process and end management of the building.

Investa were quick to identify the benefits of Building Information Modeling and insisted that disciplines working on Ark complete the entire project using BIM.

Ark was conceived, designed, documented and built using BIM – effectively setting a new benchmark in Australian architecture.



A truly complete 3D process

BIM is the missing link in a complete 3D design process – eradicating the need for traditional paper designs and plans.

BIM enhances every step of the design and development process. The 3D design concepts created via BIM enable fast, accurate, cost-effective construction minimising risk and delivering the building initially envisioned by the architect and owner.

ArchiCAD provides a BIM platform that enables all consultants to easily collaborate in real time, all using the one 3D building model.



Collaboration with on-going application

BIM enabled efficient design coordination on the Ark project through a streamlined, collaborative and improved decision making process, integration of programming and clash detection, effective staff allocation and management of resources.

Creating a 3D building model has on-going applications for the management and maintenance of property assets. All of Ark's intellectual property built within the Building Information Model can now be used as a centralised source to manage and maximise building performance now and into the future.

BIM. The smart way to collaborate.



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AN AUSTRALIAN ARCHITECTURAL

FIRST



ARCHITECT: Paul Reidy,
Director of Design at Rice Daubney:

“BIM continues to change the way our industry works and collaborates; virtual construction is the future and Ark is the first commercial building in Australia where all contractors have truly collaborated using BIM.”



ARCHITECT: Graeme Smith,
Head of Commercial at Rice Daubney:

“The development of Ark as a fully integrated BIM aided the project from initial discussions with Council through to the delivery of compact, efficient core areas and plant rooms optimising the returnable NLA.”



BUILDER: Bill Plastiras,
Operations Manager, Thiess Pty Ltd:

“We managed the consultants and design and construct sub contractors throughout the project to ensure that an as-built BIM model with embedded data that can be used by the client for ongoing facilities management was created.”

ENGINEER: Rex Van Katwyk,
Director, Taylor Thomson Whitting (NSW):

“This was the first time we used ArchiCAD and we had no issues at all building and sharing the structural model. It proved a very powerful and easy to use package.”



PHOTOGRAPHER: Brett Boardman



ARCHITECT: Mark Shoolman,
Project Leader at Rice Daubney:

“BIM helped visualise a complex building design and allowed coordination of structure and services in a highly collaborative environment.”



ARCHITECT: Darren Tims,
Director of Projects at Rice Daubney:

“We believe ArchiCAD is the most mature BIM software available. It has served us very well for the past 15 years and validates our initial decision to mandate a fully 3D environment in our offices nearly 10 years ago.”