

# BROCHURE

for CONTRACTORS



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# Services - Summary

BIM Strategic Support	Change Management	4D BIM (Schedules)	5D BIM (Quantities & Cost)	BIM Coordination	Field BIM Support	BIM to Asset Management
<p>Site Supervision Safety Management Construction Detailing Quantity g)</p>	<p>linked models &amp; views extensive rework</p>	<p>Link to construction schedules (4D)</p>	<p>5D to 3D print Quantity and cost extraction (5D)</p>			<p>COBIE AS MAINTAINED MODELS FABRICATION MODELS</p>



# BIM Strategic Support

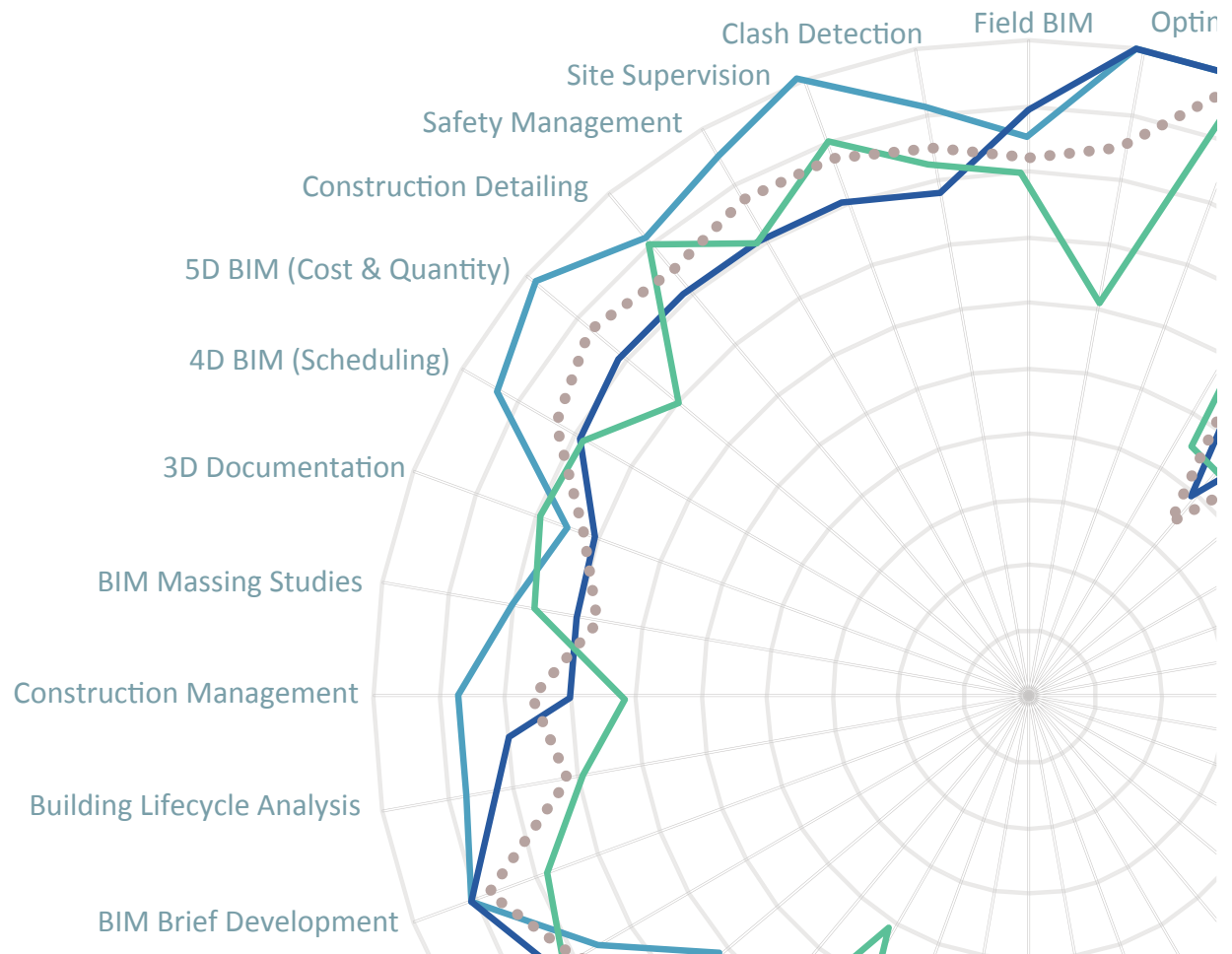
Developing your organisation's strategic approach to BIM, based on your aspirations

Considering your organisation's core business in regard to Design Technology uptake & innovation

Defining the 'Spectrum of BIM Services' your organisation should invest in

Profiling and marketing the ongoing BIM capabilities in your organisation

- ▶ Explaining the value of BIM for your business
- ▶ Determining your aspired BIM level
- ▶ Reconciling it with your main industry partners
- ▶ Developing your BIM communication strategy



# BIM Execution/Management Plans

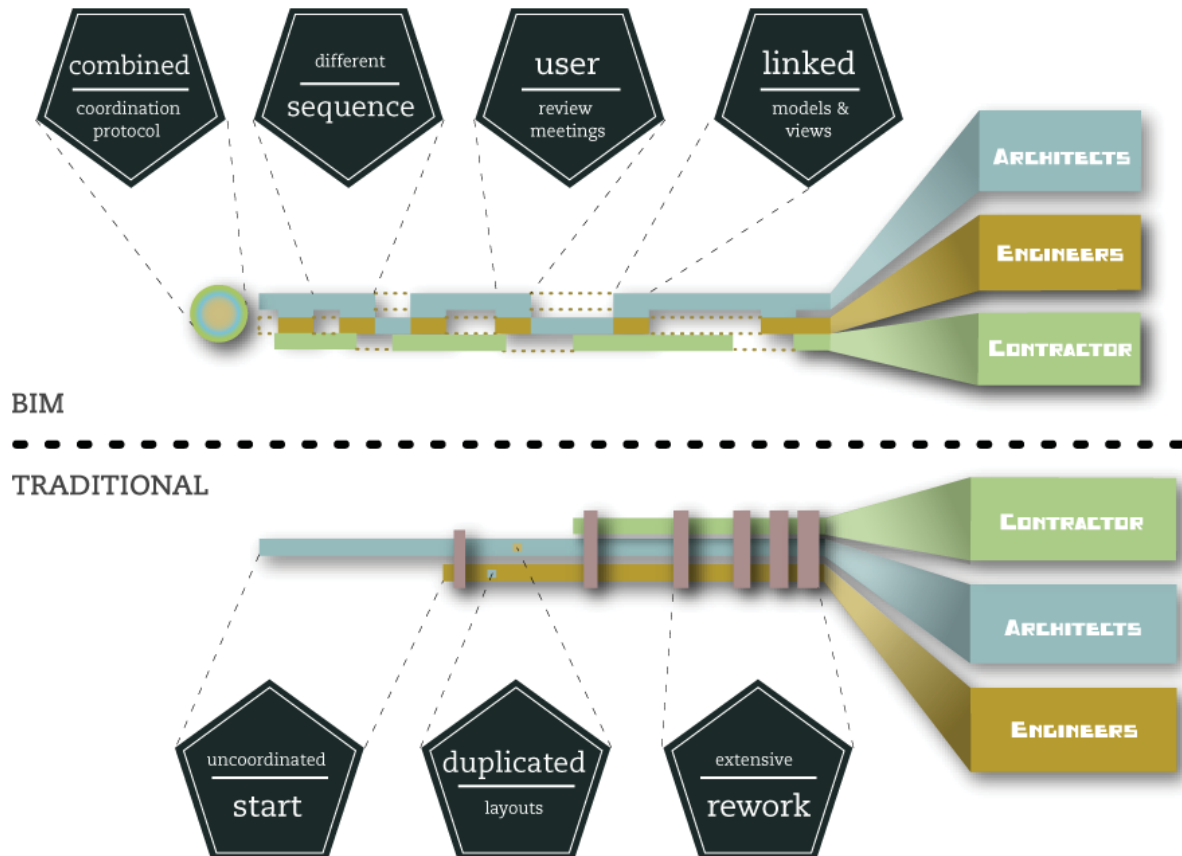
AEC Connect helps you to establish the key guiding documents that regulate the information flow between you, your sub-contractors, the consultants, and the client.

We have vast experience in developing these crucial coordination protocols that have now become standard on any medium to large BIM project across Australia.

AEC Connect will work with you and your key stakeholders in order to come to an execution (or 'management') Plan that will become the key framework for delivery throughout the various Levels of Development (LODs) of federated BIMs.

- ▶ Early client workshops
- ▶ Group Charettes to establish first principles
- ▶ Writing the BIM Execution/Management Plan
- ▶ Propagating the BIM Plan to the project-team

## WORKFLOW COMPARISON



# BIM for Scheduling (4D BIM)

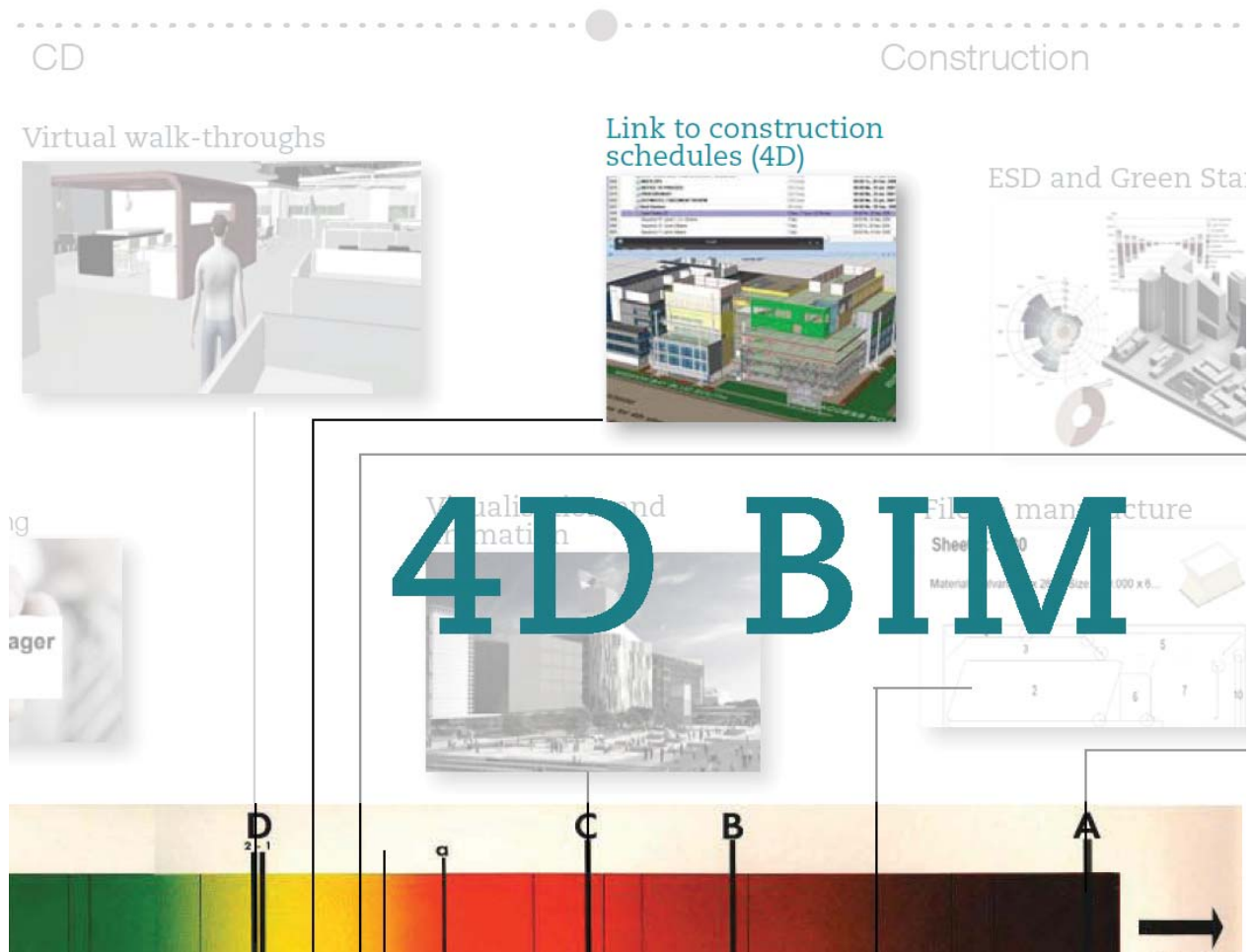
Linking Building Information output to construction time-lines and progress on site.

Introducing Software that assists in managing the entire construction schedule through BIM

Assisting with 4D BIM Software selection and data interoperability

Overseeing the production animated BIM construction sequences for visualisation

- *Introducing time aspects to BIM authoring*
- *Analysing Construction Feasibility*
- *Exploring Bi-directional data exchange options*
- *Visualising the construction status using BIM*





# BIM for Tendering and Cost Extraction (5D BIM)

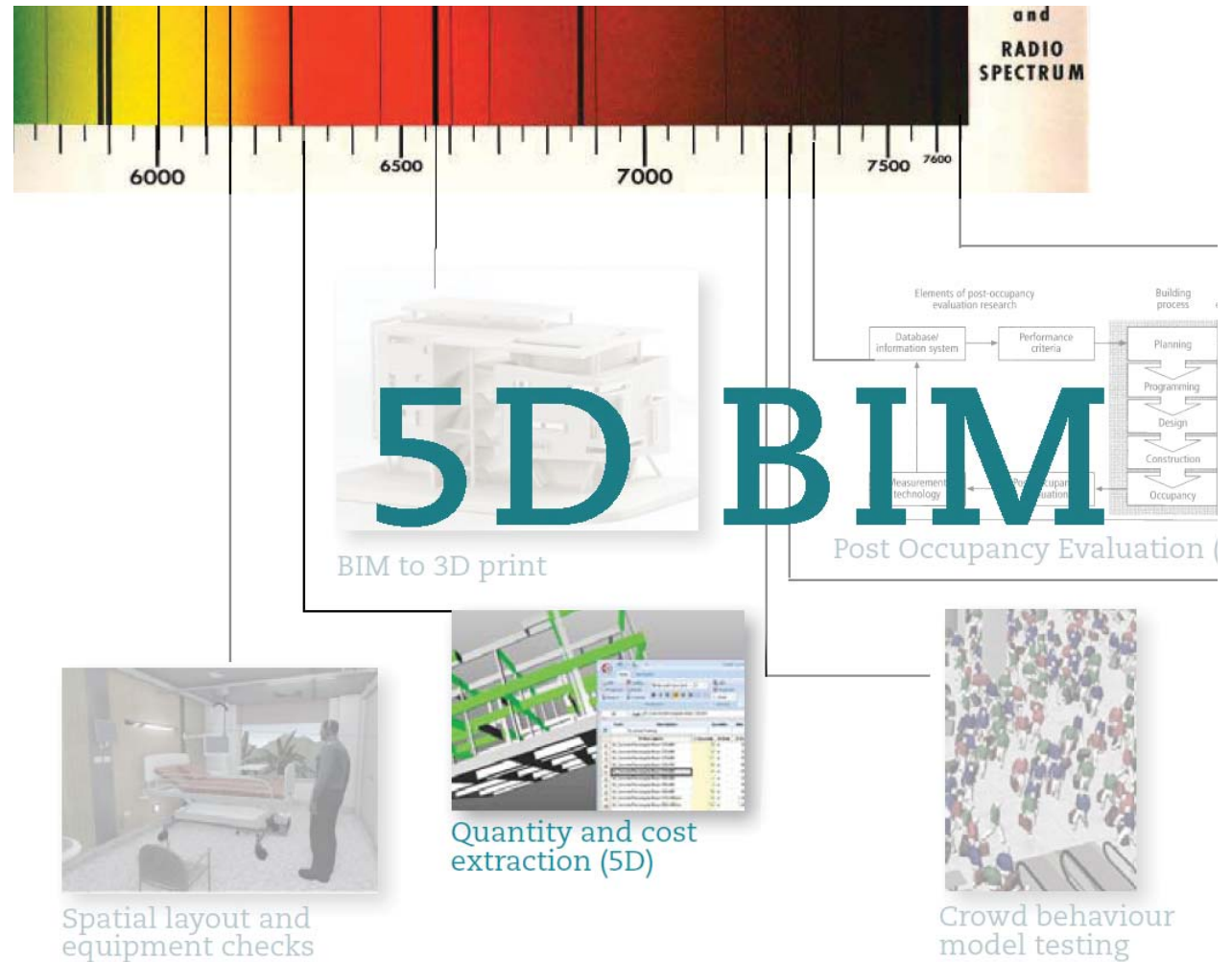
Determining the material and quantity information that needs to be attached to BIM objects

Introducing methods to achieve more accurate cost and quantity estimates based on BIM

Assisting with tendering (bidding) based on BIM data

Finding Software solutions for tracking installation time across the entire project using BIM

- ▶ *Linking construction information to QS tools*
- ▶ *Issuing quantities for bidding & production*
- ▶ *Assisting the preparation of Work Packages*
- ▶ *Analysing & shortening production cycle times*



# BIM Coordination

Introducing the concept of BIM coordination to your organisation and establishing the information requirements of Construction BIMs

Preparing and publishing a BIM Management Plan that determines BIM output by consultants and subcontractors

Joining BIM Project reviews between your organisation, consultants and the trade contractors

Introducing and adopting the 'Last Planner System' in coordination with your BIM efforts

- ▶ *Defining Stakeholders' responsibilities*
- ▶ *Setting overarching BIM deliverables*
- ▶ *Joining BIM reviews and coordination meetings*
- ▶ *Assisting with the synchronisation of Design BIM to Construction BIM*

Consultants



Main Contractor



Subcontractors





# Field BIM Support

Assisting in setting up Field-BIM systems in your organisations

Facilitating support for tracking the status of systems and equipment on site

Introducing BIM simulation processes that allow your organisation to improve safety during construction

Setting up a system for tagging construction components with unique identifiers

- *Set out on site using BIM technology*
- *Better on-site coordination of subcontractors*
- *Considering pre-assembly supported by BIM*
- *Defining BIM Kiosk requirements on site*



# Linking Construction BIM to FM

Establishing data delivery protocols that support Facility Managers' maintenance systems

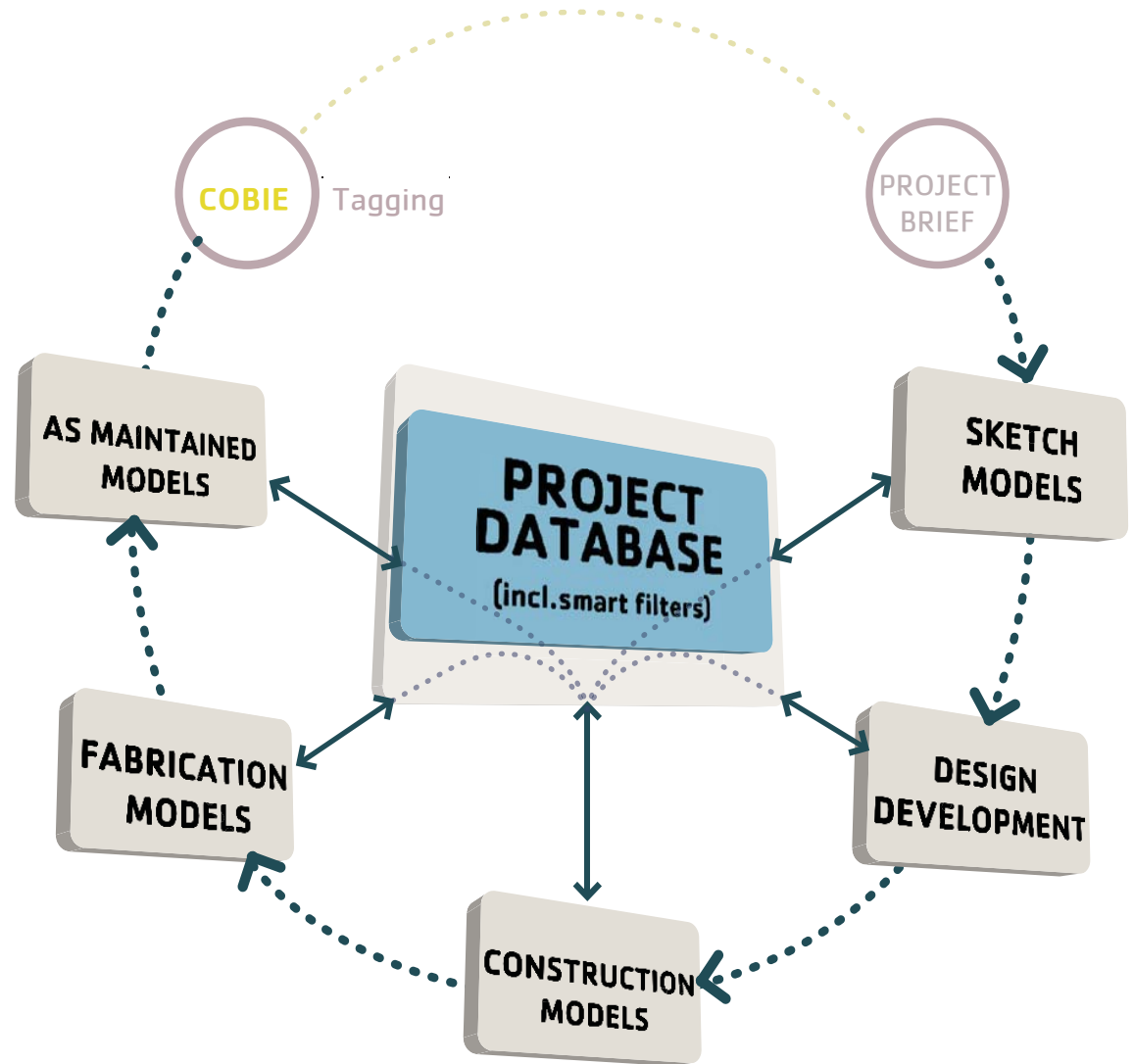
Defining COBie Data requirements for the Construction BIMs and FM

Assisting in the development of 'as maintained' data from the Construction BIM (6/7D)

Negotiating O&M data handover process with Clients/Facility Managers

Synchronising Commissioning between your organisation and the client based on BIM data

-  Asset Management
-  Facility Maintenance
-  Space Planning
-  Energy Management
-  Safety / Access Management



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