

BIM

LESSONS LEARNT



Richard Choy, CEO
NATSPEC // Construction Information

ICIS Congress, Estonia 2014

Improve the quality of construction quality and productivity of the built environment through leadership of information

- Dept of Infrastructure (NT)
- Dept of Finance (WA)
- Dept of Finance and Deregulation (Federal)
- Dept of Finance and Services (NSW)
- Dept of Housing and Public Works (QLD)
- Dept for Transport, Energy and Infrastructure (SA)
- Dept of Treasury (ACT)
- Dept of Treasury and Finance (TAS)
- Dept of Treasury and Finance (VIC)

Provides the baseline level of quality for Government and quality projects



Specifications are your Quality Control Tool

"Using good design documentation you protect your reputation, you reduce defects, you produce high quality, you protect costs and more importantly and overarchingly, you deliver on time. And without good documentation you can't achieve all those objectives".

Mario Macri, Lend Lease,
Centraplaza project



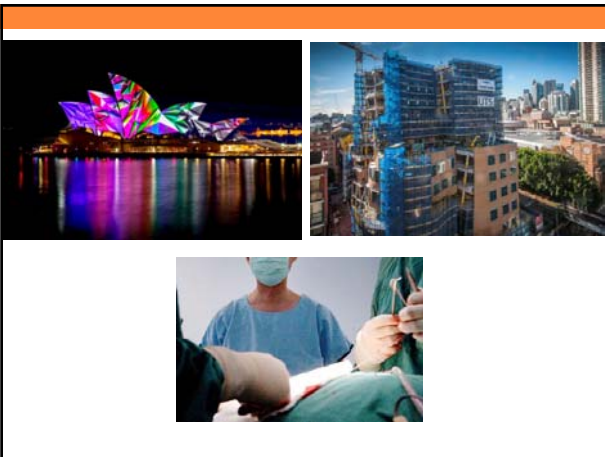
Building Information Modelling



- NATSPEC believes that digital information, including 3-D Modelling and Building Information Modelling, will provide improved methods of design, construction and communication for the industry.
- Further, NATSPEC supports open global systems. This will result in improved efficiency and quality.

Global Co-operation



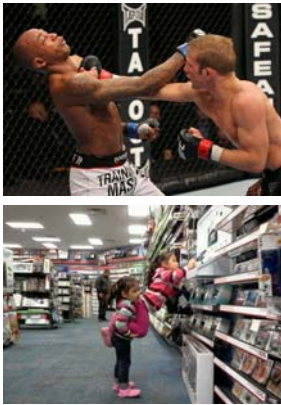




NATSPEC National BIM Guide

CONSTRUCTION
CONTRACTORS
AND PROJECT OWNERS

Need for a common language. "BIM is not a design tool it is an information management tool."



Capability of team members. Expectations across disciplines. Contractual obligations. Stop shifting the blame. Integrated project delivery. Who is responsible for the model?



PROJECT BIM BRIEF

1.1 Purpose of this Project BIM Brief
This Project BIM Brief is used to define the Client's requirements for the use of Building Information Modelling (BIM) on this project.

1.2 Application of this Project BIM Brief
This Project BIM Brief is used to define the Client's requirements for the use of BIM on this project. It is intended to be used by the Client, the Project Team and the Project Owner. It is intended to be used by the Client, the Project Team and the Project Owner.

1.3 Project Details

Project Name	
Client Reference	
Project Address	
Access to be available	

1.4 BIM Project Team

1.5 BIM for BIM on the Project

1.6 BIM for BIM on the Project

Version No.	Date of Issue
1.1.1	Issued for information
1.1.2	For approval
1.1.3	Ready for implementation

Define what you want to use the model for. Who gains from what? The decisions need to be made early.



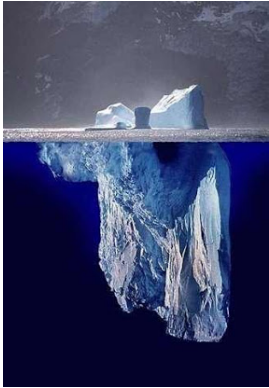
Federated v
Integrated Models.
Software
compatibility. IP.
Open source. IFC.
Data degradation.
Lack of agreed
standards.



Model accuracy.
Consistent property
sets. LOD's of use of
model at stages.
Set-out dimensions.
Fabrication
drawings.



Devices on site.
Tools for use not
status. Availability.
Mobility. Safety.



Early contractor involvement.



Maintenance of model. Size of files, software updates, training and changing staff, updating.



Should BIM be mandated?

