BIM LESSONS LEARNT

Richard Choy, CEO
NATSPEC // Construction Information
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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

- International Co-operation
- ISO
- buildingSMART

International Alliance for Interoperability

- Japan
- China
- Hong Kong
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?

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 cf use of model at stages.
Set-out dimensions. Fabrication drawings.

Devices on site.
Mobility. Safety.
Early contractor involvement.

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

Should BIM be mandated?