

Capability Statement

Introduction

Digital Constructors is a specialised BIM & Digital Engineering consultancy, focussed on the following:

- Digital strategy & implementation within the design & construction sector
- Digital Engineering applications
- Building Information Modelling (BIM) applications
- Geographic Information Systems (GIS) and spatial applications
- Construction collaboration and document management systems
- Database and system integration
- Reporting and analytics for construction projects

Approach

- Impartial and independent advice for clients, contractors and design consultants
- Practical and realistic solutions
- Emphasis on BIM strategy, planning and execution

Project Experience

- Civil & infrastructure, including rail & tunnelling
- Major buildings such as airports, shopping centres, hospitals & high-rise commercial
- Theme park & hotels
- Architectural, civil, mechanical & electrical and building services design

Experience

- Complex building, structures and systems modelling
- Construction project delivery (on site)
- Tenders and bids
- Design modelling, documentation and coordination
- Planning & budgeting
- Technical team management
- Technology strategy, implementation & change management
- Planning (4D) and cost planning (5D)
- Construction claims & disputes

Services

- Project delivery, as a member of a bid or construction project team
- Project auditing and review
- Technology strategy & advice
- Staff mentoring and training
- Preparation of technical plans & specifications
- Construction project technology implementation

Recent projects

- Sydney Airport major projects such as Terminal 1 Pier A and T1 Expansion (Baggage Handling Systems)
- Westconnex 3A (delivery)
- Sydney Metro Pitt St Station bid (pending)
- Sydney Metro Digital Engineering Data Platform (client-side)
- Ultimo Public school bid (successful)
- Sydney Metro Central Station bid (successful)
- Sydney Metro Sydenham Station bid (successful)
- Sydney Metro Sydenham-Bankstown bid (pending)
- Sydney Metro SYAB (delivery)
- Sydney Metro Tunnelling package bid (successful)
- Sydney Metro Northwest (delivery)
- New Intercity Fleet maintenance facility bid (unsuccessful)
- ACT Law Courts (delivery)
- 1 Denison St commercial high-rise bid (unsuccessful)
- Moorebank Intermodal Terminal (delivery)
- Northern Beaches Hospital (delivery)
- Christchurch Hospital Acute Services (delivery)
- Sydney Metro Northwest OTS package (delivery)
- Sydney Opera House VAPS (delivery)

Clients

- Mace Group
- Mott MacDonald, working for Sydney Metro
- Hindmarsh Construction
- BIM Consulting/NGIS working for Melbourne Metro
- CPB Contractors
- Lendlease Samsung Bouygues Joint Venture
- Acciona
- Sydney Airport Corporation

Technology expertise

- Modelling applications such as Revit, Navisworks, BIM360, AutoCAD, Civil3D & SketchUp
- Construction collaboration systems such as Aconex, ProjectWise, ProjectCentre & BIM360
- Geographic Information Systems (GIS) such as ArcMap and QGIS
- Planning applications such as Primavera P6 and Asta Powerproject
- Reporting applications such as Pentaho, Crystal Reports & PowerBI
- British Standards such as BS1192 & PAS 1192

Details

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