

Simplifying BUILD INDUSTRY

SOLUTIONS

3D M&E COORDINATION
M&E / ARCH. DESIGN VALIDATION
M&E VISUALIZATION
MULTI TRADE COORDINATION
PLANT / RISER / STACK MODELS
M&E DESIGN DRAWING
BUILDING INFORMATION MODELLING
3D BUILDING MODELLING
AS-BUILT/SHOP DRAWINGS
M&E DRAFTING
VECTORIZATION / CAD CONVERSION
PROJECT MANAGEMENT
CONSTRUCTION MANAGEMENT
COST & CLAIM MANAGEMENT
M&E / MEP COORDINATION

flexible solutions for
your business needs

CONSTRUCTION MANAGEMENT

FCAD's Construction Management Team is staffed by experienced Architects and Engineers whose experience in managing complex construction projects.

At Pre Construction stage, FCAD's Construction Management Team develops budget evaluations, costs models and assesses project schedules to verify project handover date. Detailed design reviews are undertaken aimed at assessing design and constructability. This is carried out with a view to avoiding extensive design revisions during construction stage.

Buildability reviews and a value engineering process are included into this design review period. Management of procurement supply chain is assessed during pre construction stage to identify critical long lead items and to categorize any material conflicts that may impact the construction master work program.

During tender stage, appraisals and vetting of Contractors is undertaken, to verify their capability to undertake the contract efficiently. Selection is based on a number of requirements such as track record, current undertakings, financial capabilities, competitiveness, management structure, safety record, quality assurance and other relevant elements.

At Construction stage, administration of contracts is implemented using an established set of controls. Communication lines, project procedures, roles and responsibilities and regular coordination meetings are established along with constant monitoring to ensure contract conformance and monitor contract performance. We deploy a per-

manent on-site presence of experienced professionals so we can constantly monitor compliance to design intent, quality of the construction process and progress, safety regulations, environmental issues, authority issues and other relevant process and progress of the project.

The whole project cycle is documented using detailed reporting processes such as forecasted final cost, change or variation order valuations, cost to complete, work progress reviews and others. This allows the Client and the Project Team to have a clear picture of statuses and highlights any key issues that have to be addressed.

Before testing and commissioning begins a testing strategy procedure and check list is developed. Roles and responsibilities are defined along with the objectives of all test stages and the techniques that apply. Tests are coordinated and carried out to consultant's requirement and authority satisfactory.

FCAD's engineering specialists in building systems are tasked to ensure effective commissioning and proper instructions on system operations and maintenance procedures.

Finally at Post Construction stage, preparation and submittal of all operation manuals and handover documents including testing and commissioning reports, certificates and other relevant documents will be monitored using a comprehensive documentation checklist. Extensive contractor claim reviews are conducted with special emphasis placed on verifying quantities, man hour logs and receipt details. Final negotiations and settlement of accounts are then concluded.

