

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

PLANT, RISER AND STACK MODELS

Besides 3D coordination service for complete sites, FCAD also provide comprehensive 3D models and plant room coordination. In addition to plant rooms, we offer the coordinated 3D models for pre-fabricated ceiling modules, boiler rooms and risers for building services projects to ensure that services, architectural and structural elements are spatially coordinated.

Plant room and riser models will usually require modeling due to reduced design and build timescales especially where off-site manufacturing and/or assembly may be required or where a client has specified 3D models as part of the design require-

ment. Modeling and coordinating plant rooms and risers using 3D software such as Autodesk MEP has the added benefit of allowing for a greater amount of detailed information such as detailed sections to be easily generated from a 3D plant room or 3D riser model even during the installation process.

FCAD also provide detailed visualization and animation of plant rooms, riser and ceiling modules using FCAD's M&E Visualization and M&E Animation services. This allows for the presentation of plant areas in order to demonstrate the process of installation or manufacturing.

