



**BIM**  
Global Solutions  
Always Ahead



An aerial, isometric view of a large, complex building structure. The building features a prominent green roof with several rectangular skylights. The interior of the building is visible, showing a dense network of colorful components (red, blue, yellow, green) and structural elements. The building is surrounded by a green landscape, and a road or path is visible in the bottom right corner. The text "BIMGS PROFILE" is overlaid in the center of the image.

BIMGS PROFILE



## ABOUT US

BIMGS management has core strength in design, BIM implementation, BIM execution, documentation and training key personnel. Also the management and the team has vast experience in the AEC/ building industry. This helps us to understand the projects and work as lead consultants in the industry.

BIMGS is the pioneer in the field of BIM services and has long term experience in the CAD services. We use the state-of-the-art advanced technology to deliver our deliverables on time. We have successfully completed several prestigious projects.

BIMGS has design experience internationally. This experience has been used to design futuristic architecture and interiors for the third generation.

BIMGS was established in the year 2008 in Singapore and in Chennai and in Bangalore in 2010. We have started our sister concern in Qatar in 2015.



## **VISION**

BIMGS aims to be a BIM leader in the region and a primary provider of total CAD/BIM solutions offering integrated building information modelling services and lead the AEC industry by influencing and enabling transition from legacy CAD to BIM.

## MISSION

- To provide Integrated Building Information Modeling services to the AEC industry and driving profitability using BIM Technology.
- To increase the efficiency of the customers' work process by providing expert consultancy and training services for effective adoption and smooth transition to BIM.
- To offer a differentiated CAD product portfolio and services tailor-made to the AEC industry in the region.
- To deliver specialized services and construction Documentation Support Services using BIM tools.
- To train and deploy skilled BIM professionals to address the acute manpower shortage.



## ADVANTAGE BIMGS

- One stop shop for Modeling, Drafting, Analyzing
- Pioneers in introducing BIM in INDIA and Australia
- More than decade of experience in BIM / CAD services
- Headed run by well qualified Architects & Engineers
- Expert Consultancy services in BIM Implementation.
- Specialized services and construction documentation support services using Autodesk and other well-known software-based design and documentation tools.
- Generating integrated error free/clash free BIM Models.
- Visualization and photo realistic rendering services for the BIM models and CAD models.
- Drafting and documentation of BIM/CAD drawings.
- Providing Laser Scanning services and scan to BIM
- Providing state of the art training services for corporate and individuals
- Connecting different vendors under Single BIM platform



## BIM (BUILDING INFORMATION MODELLING) SERVICES

We have been providing BIM services for the past eight plus years. We provide end to end BIM services. Our service starts from the concept to the completion and to the entire life cycle of the buildings. We provide BIM services for all the disciplines. Also we provide analytical services for all disciplines.

### 2D TO 3D CONVERSION (CAD / PDF TO BIM)

AutoCAD drawings, PDF drawings, Google sketch will be converted to model. 2D drawings serves as the base of the model making. Legacy drawings also can be converted to BIM models.



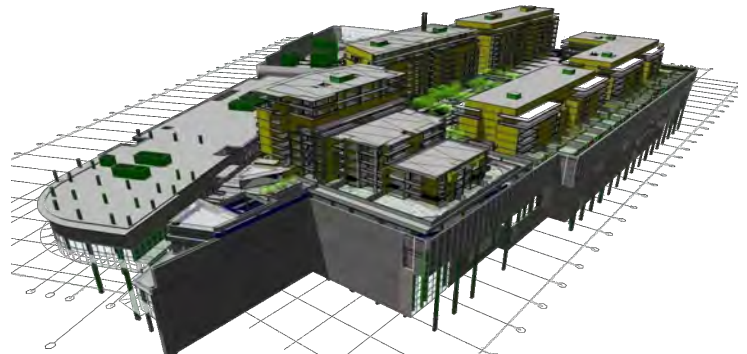
### ARCHITECTURAL BIM MODEL

Architectural solid model will be generated from the available data. This architectural model is information rich and can be used for construction documentation and quantity survey. RCC and steel structures can be modeled. All Architectural information will be captured in the model.



### STRUCTURAL BIM MODEL

Structural solid model will be prepared. This structure model can be RCC or steel structure depend on the project. This structure BIM model is information rich and can be used for construction documentation and quantity survey.. All structural elements will be captured in the structural model including reinforcement details.



### MEP F BIM MODEL

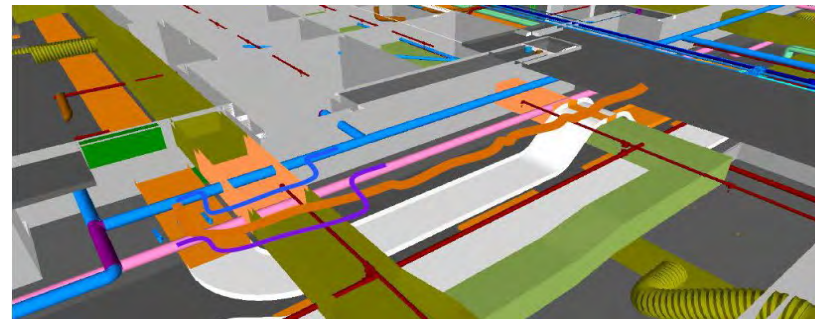
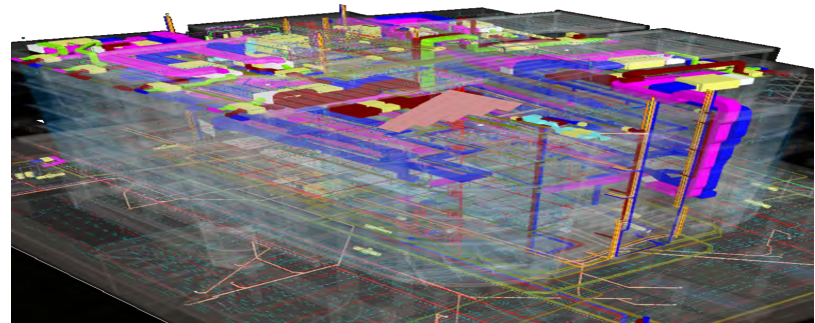
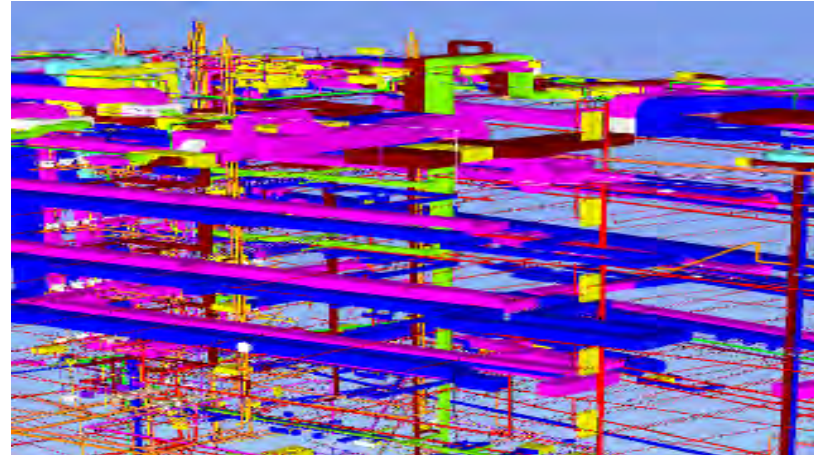
Solid MEP&F BIM models will be prepared from the 2D drawings /sketches from the consultants. All the different services such as Mechanical, Electrical, Plumbing, HVAC, Fire Fighting and Fire protection, CCTV, Voice & DATA and other specialized service will be modelled separately by discipline experts. All the service models will be brought together as services model. These models are an information rich model with heights, air flow details ,materials etc. This can be used for the construction documentation and quantity survey.

### INTEGRATED BIM MODEL

All the models will be integrated for clash detection and other analysis. The integrated model represents the actual building before construction. It will include the problems and issues to be faced at the site and during construction. These issues and the problems will be analyzed and solved using the model.

### CLASH DETECTION, ANALYSIS & RESOLUTION

The integrated model will be used to conduct interference analysis. The output will be shared with the consultants. The report will be analyzed with help of different discipline consultants. The solutions will be updated, and the model will be modified as per the consultants advice.





## CLASH FREE BIM MODEL

The identified clashes will be rectified and resolved with the consultants. The model will be updated with the changes and the resolutions. All the disciplines will be modified and integrated once again. This process will be repeated till the clash free / interference free model is achieved.



## MODEL BASED ESTIMATION & QUANTITY TAKEOFF

Estimation and quantity can be taken off from the BIM model. Schedules and materials take off will be prepared. Concept estimation and costing can be done to compare design alternatives and pick up the concept to close the budget. Preliminary estimate and final estimates can be done at various stages. Changes and modifications at various stages based on the cost will be updated in the model. Alternate materials will be identified and replaced as per the cost of the materials and as per the clients and consultant's recommendation. This process will be repeated till the cost-efficient building model is achieved. It is very effective tool to plan and budget the construction within the allocated budget amount. So that excess allocation of the funds and excess ordering of the materials can be avoided and results in big saving to the owner.

3/8-R2		
<b>CONCRETE WORK (Contd.)</b>		
<b>POURED CONCRETE (Contd.)</b>		
Reinforced poured ordinary portland cement vibrated concrete of grade C40 including necessary formwork etc complete		
A	Profiled cornice on parapet	394.82 m
<b>REINFORCEMENT (MEASURABLE)</b>		
High yield deformed bars of diameter to BS 4449, all as specified		
B	32 mm bars - 8 mm bars	m <sup>2</sup>
<b>FORM WORK</b>		
Formwork to give as 'struck' finish		
C	Sides of columns	950 m <sup>2</sup>
D	Sides of lift walls & shear walls	1909 m <sup>2</sup>
E	Sides and soffit of lintels & arch lintel	568.62 m <sup>2</sup>
F	Sides of cills	158.36 m <sup>2</sup>
G	Sides of equipment bases for water tank, AC units & pumps	5.84 m <sup>2</sup>
H	Sides of coping to parapet & corridor railing wall	6246.93 m <sup>2</sup>
J	Sides of upstand beams, arcade & balcony drop beams, projections, façade wall	— m <sup>2</sup>
K	Sides of upstands for expansion joint	— m <sup>2</sup>
L	Edges of plinths below ward robes & kitchen platform	704.69 m <sup>2</sup>





## SIMULATION SERVICES

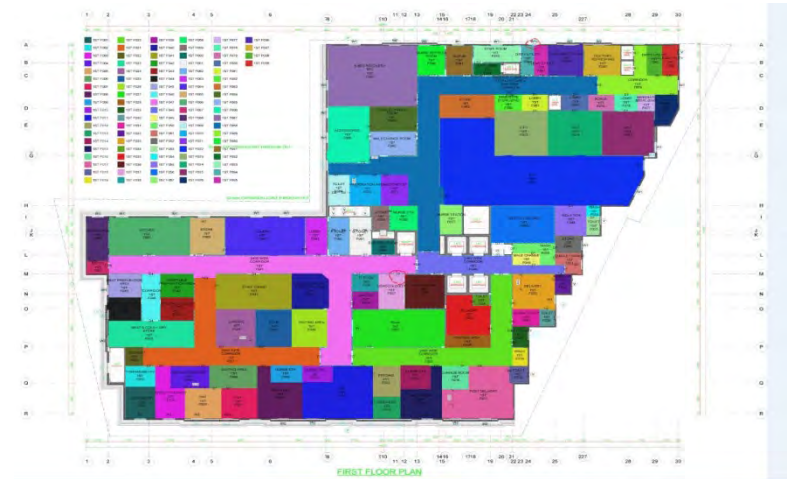
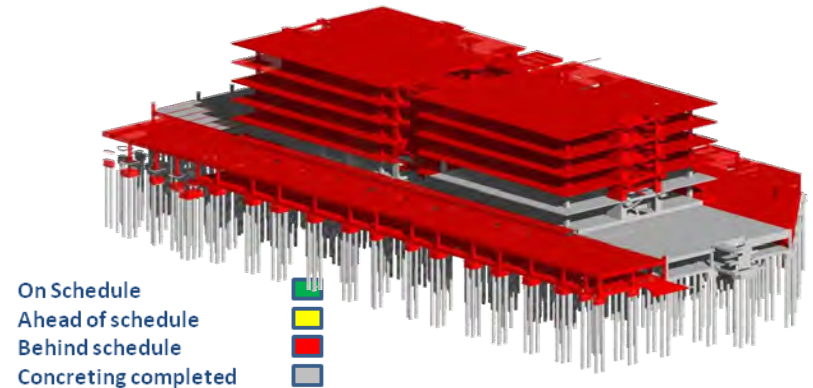
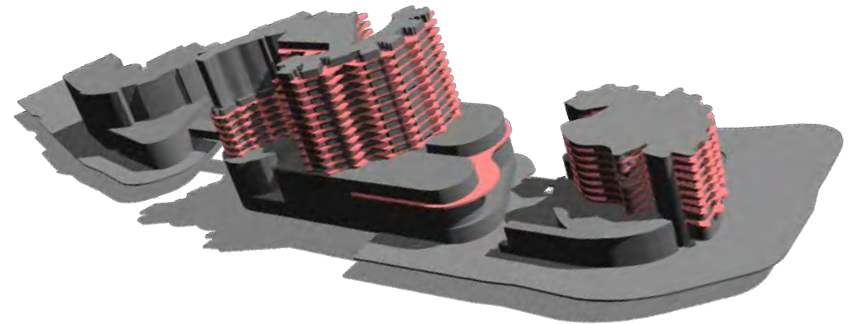
Simulations will be generated to study various issues and analysis by using the model. BIM models will be used for energy analysis, façade analysis, carbon rating, traffic management, etc. The scenario can be simulated and studied. This process will be repeated till desired results are achieved.

## CONSTRUCTION MONITORING AND SEQUENCING

Construction sequencing will be generated to monitor the progress of the project. This simulation will show day to day activities and monthly progress of construction. This will be a 3D representation of the construction sequencing. It will be used to monitor the planned construction against the actual construction. Any delay or deviation can be identified in an advanced stage.

## BIM FOR OPERATIONS & FACILITY MANAGEMENT SERVICES

BIM model is used to track, update, and maintain facility management information to support better planning, operations, and maintenance. So that the model can be used throughout the building's lifecycle. We can provide accurate and up to date information about elements in the project to building designers, users and facility managers. Our model can be linked to third party facility management tools.



## LANDSCAPING AND INFRASTRUCTURE MODELING SERVICES

We provide landscaping and modelling services. Roads, bridges, tunnels, rails and other civil structures will be modelled. These models can be used to plan disaster management, emergency evacuation, traffic analysis and management. We can integrate GIS data with the BIM building model and infrastructure models seamlessly



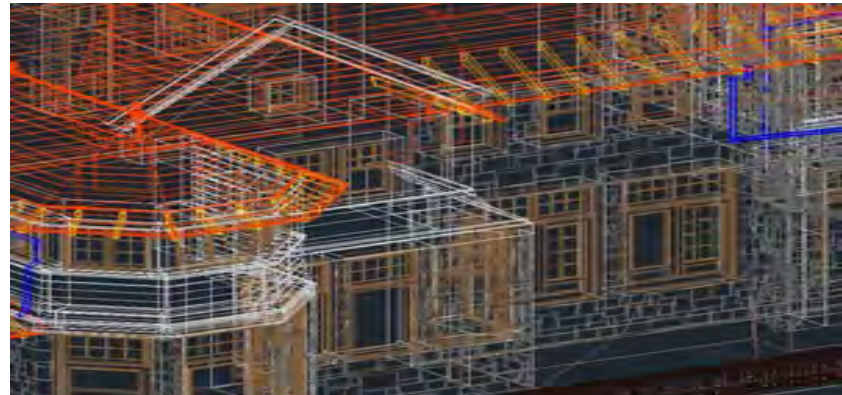
## CAD SERVICES

Various CAD drafting services are offered by us. We provide detailed drawings, shop drawings and construction documentation and 2D drawings. Our CAD drafting services covers architecture, structure, mechanical, electrical, plumbing, fire fighting and fire protection, HVAC and ICT.



## LASER SCANNING & SCAN TO BIM MODELING

Using highly accurate 3D scan data generated with 3D scanning you are able to view as-built documentation in a virtual world. The point cloud data can also be surfaced to generate a CAD/BIM model which can be used for comparison or reconstruction. The size of the specimen being scanned is no longer limited to the directional travel of a machine, or the reach of an arm. Scans can be taken anywhere, at virtually any time.





## **FEW SAMPLE PROJECTS**

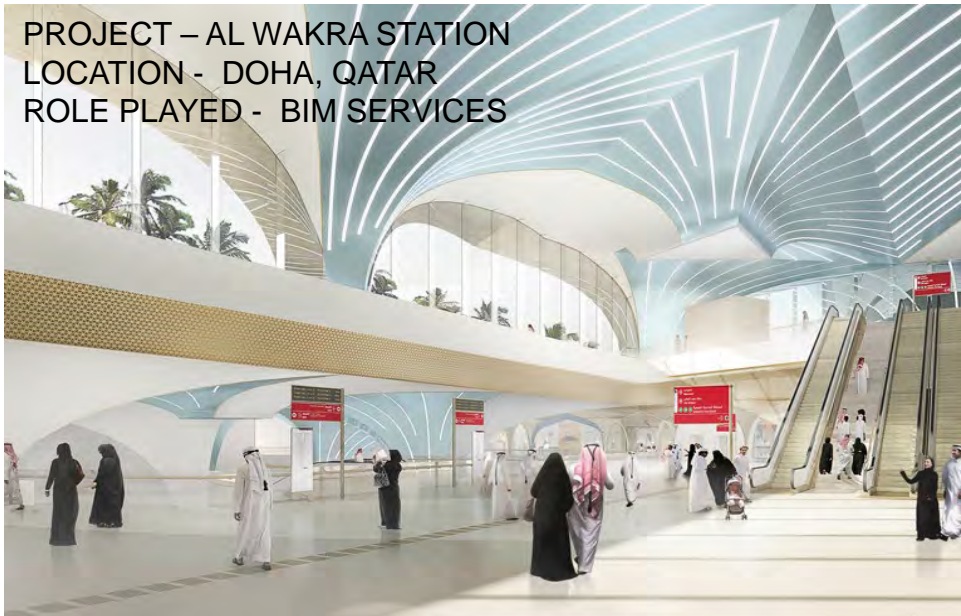
PROJECT – AL RAYYAN STADIUM  
LOCATION - DOHA, QATAR  
ROLE PLAYED - BIM SERVICES



PROJECT – LUSAIL STADIUM  
LOCATION - DOHA, QATAR  
ROLE PLAYED - BIM SERVICES



PROJECT – AL WAKRA STATION  
LOCATION - DOHA, QATAR  
ROLE PLAYED - BIM SERVICES



PROJECT – MOFFETT TOWERS, FACEBOOK  
LOCATION - USA  
ROLE PLAYED - BIM SERVICES





**PROJECT – RBF STATION, DOHA METRO**  
**LOCATION - DOHA, QATAR**  
**ROLE PLAYED - BIM SERVICES**



**PROJECT – EZ STATION, DOHA METRO**  
**LOCATION - DOHA, QATAR**  
**ROLE PLAYED - BIM SERVICES**



**PROJECT – AL ANDALUS SCHOOL**  
**LOCATION - DOHA, QATAR**  
**ROLE PLAYED - BIM SERVICES**



**PROJECT – RIYADH METRO**  
**LOCATION - RIYADH, KSA**  
**ROLE PLAYED - BIM SERVICES**





**PROJECT – AL RIFFA STATION**  
**LOCATION – DOHA, QATAR**  
**ROLE PLAYED - BIM SERVICES**



**PROJECT – MARBU HQ**  
**LOCATION - DOHA, QATAR**  
**ROLE PLAYED - BIM SERVICES**



**PROJECT – NEIGHBOURHOOD RETAIL MALL**  
**LOCATION - DOHA, QATAR**  
**ROLE PLAYED - BIM SERVICES**



**PROJECT – NORTH VILLAS RETAIL**  
**LOCATION - DOHA, QATAR**  
**ROLE PLAYED - BIM SERVICES**

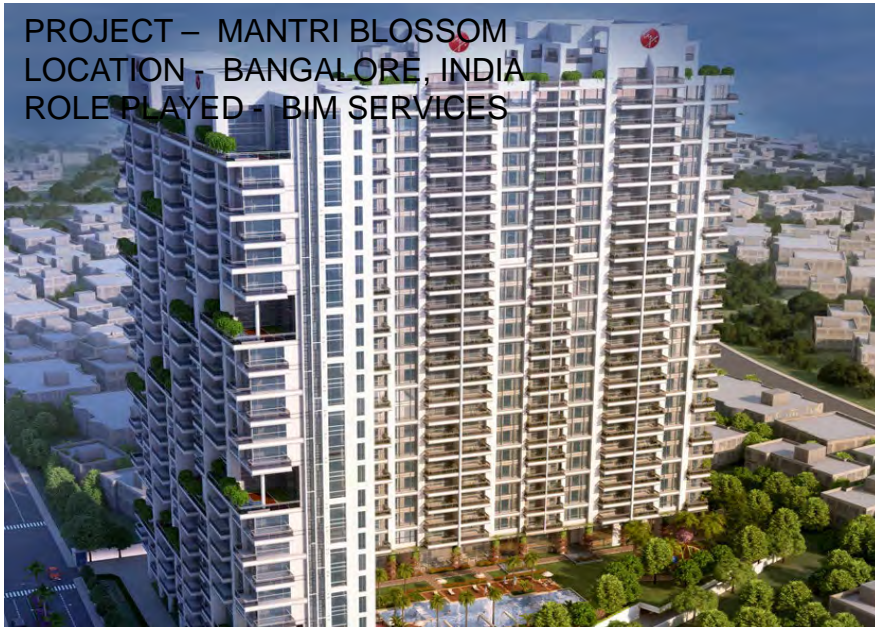




PROJECT – DOHA OASIS  
LOCATION - DOHA, QATAR  
ROLE PLAYED - BIM SERVICES



PROJECT – MANTRI BLOSSOM  
LOCATION - BANGALORE, INDIA  
ROLE PLAYED - BIM SERVICES



PROJECT – MARIAN PARK  
LOCATION - MANGALORE, INDIA  
ROLE PLAYED - BIM SERVICES





**PROJECT – AL ASMAKH RESIDENTIAL PROJECT**  
**LOCATION – MUSCAT, OMAN**  
**ROLE PLAYED – BIM SERVICES**



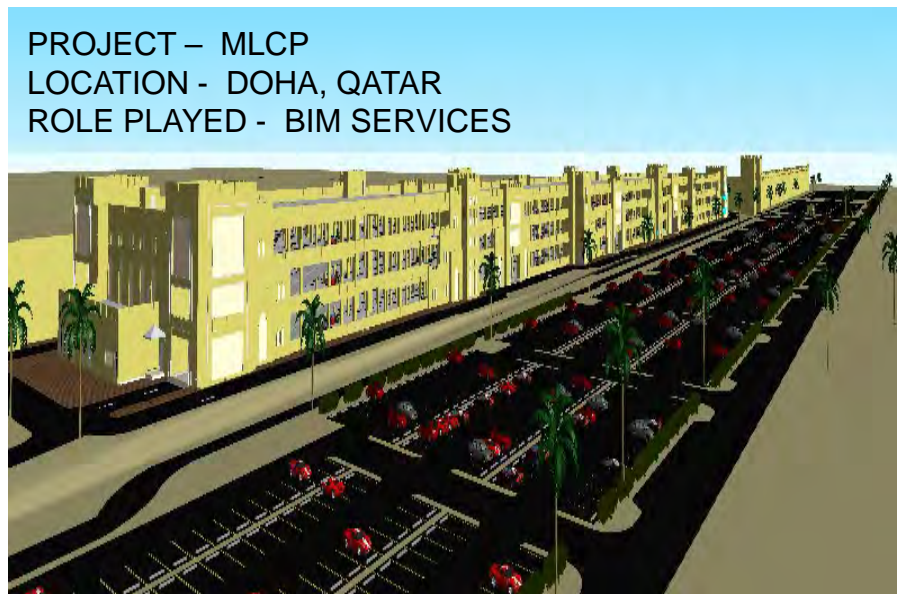
**PROJECT – TATA PROMONT**  
**LOCATION – BANGALORE, INDIA**  
**ROLE PLAYED – BIM SERVICES**



**PROJECT – WATER TREATMENT PLANT**  
**LOCATION – KOLKATA, INDIA**  
**CLIENT – L&T**  
**ROLE PLAYED – BIM SERVICES**



**PROJECT – MLCP**  
**LOCATION – DOHA, QATAR**  
**ROLE PLAYED – BIM SERVICES**





PROJECT – WATER FRONT RESIDENTIAL  
CLIENT – ROBERTSON + MARKS  
LOCATION – AUSTRALIA  
ROLE PLAYED - BIM SERVICES



PROJECT – IMPERIAL TOWERS  
LOCATION - MUMBAI, INDIA  
ROLE PLAYED - BIM SERVICES



PROJECT – MAYFAIR  
LOCATION – DUBAI, UAE  
ROLE PLAYED – BIM SERVICES



PROJECT – JURANG GENERAL HOSPITAL  
CLIENT – ZEB CONSULTANTS  
LOCATION – SINGAPORE  
ROLE PLAYED – BIM SERVICES





PROJECT – BENGALURU INTERNATIONAL AIRPORT  
LOCATION – BENGALURU, INDIA



PROJECT -TCS  
LOCATION – TRIVANDRUM, INDIA  
ROLE PLAYED - BIM SERVICES



PROJECT – SYDNEY CRICKET GROUND  
CLIENT – ROBERTSON + MARKS  
LOCATION – AUSTRALIA  
ROLE PLAYED – BIM SERVICES



PROJECT – TOPRYDE RESIDENTIAL  
CLIENT – ROBERTSON + MARKS  
LOCATION – SYDNEY, AUSTRALIA







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