

FALCON INFO SOLUTIONS
PVT LTD



Company Profile

About Us



BIM Services



Agriculture



Geospatial



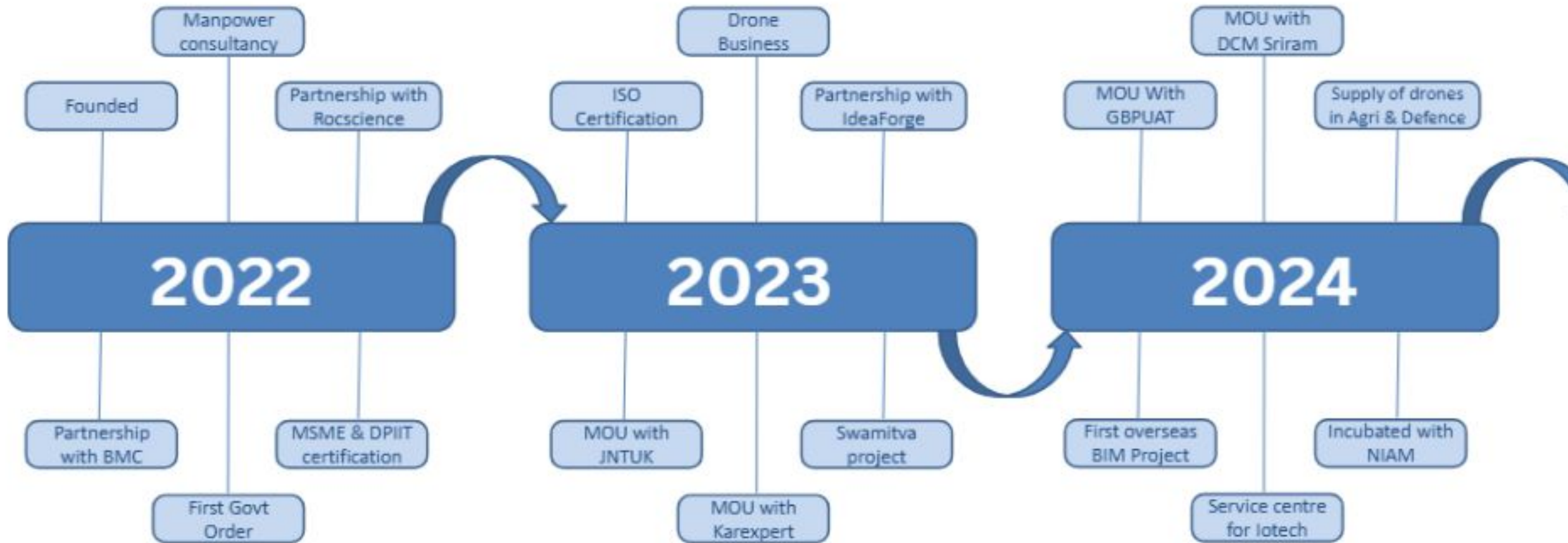
Telecom



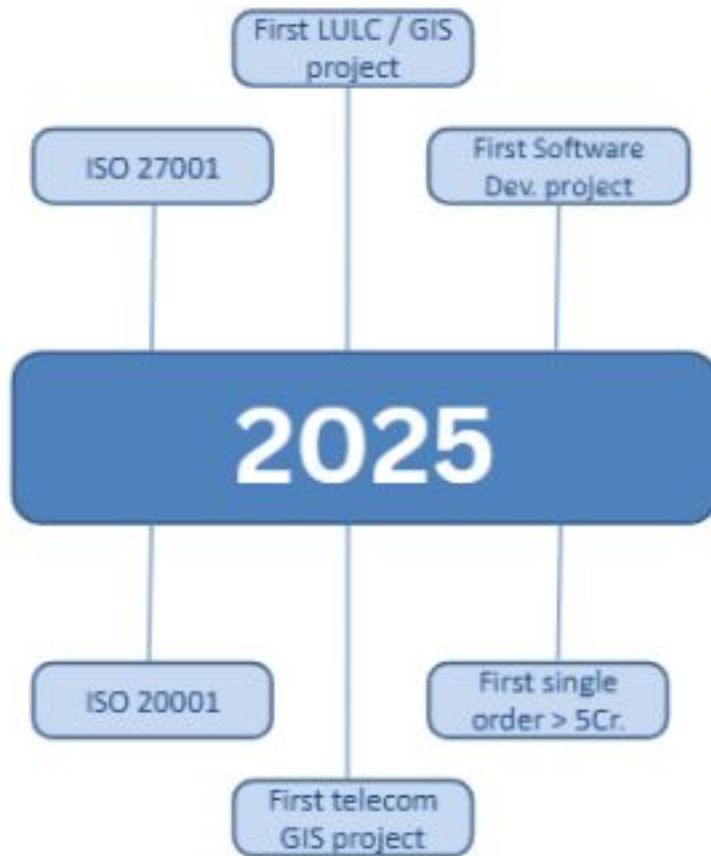
Information Technology

Falcon Info Solutions is an emerging Telecom, Geospatial, BIM & Agriculture, Information Technology Solutions and Consultancy service provider committed to provide cost effective and efficient solutions & Services to the Customers worldwide.

Milestones



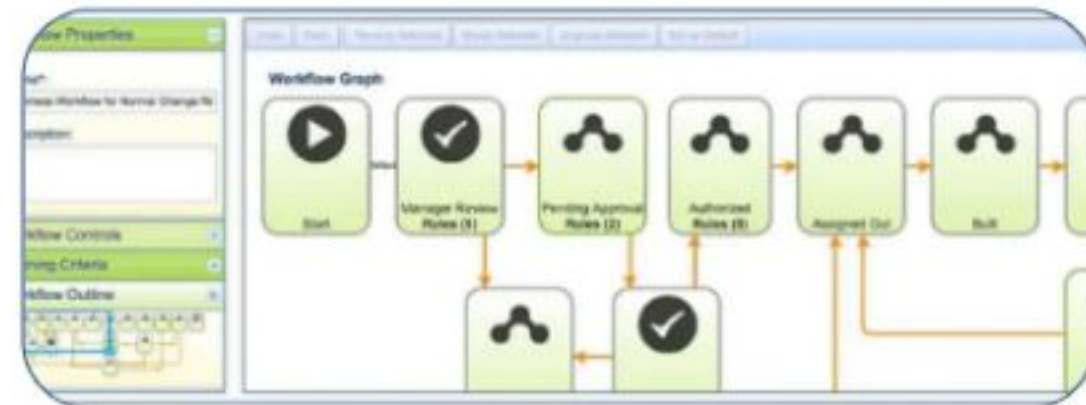
Milestones



Way to Go.....

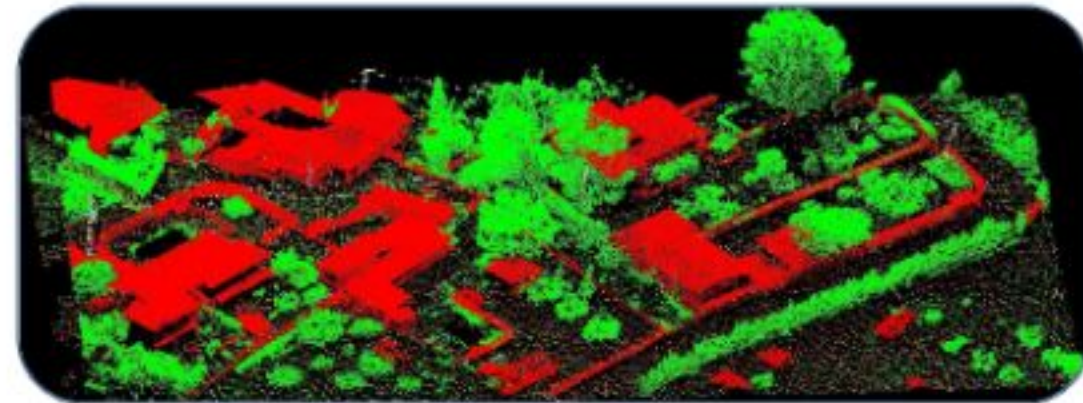
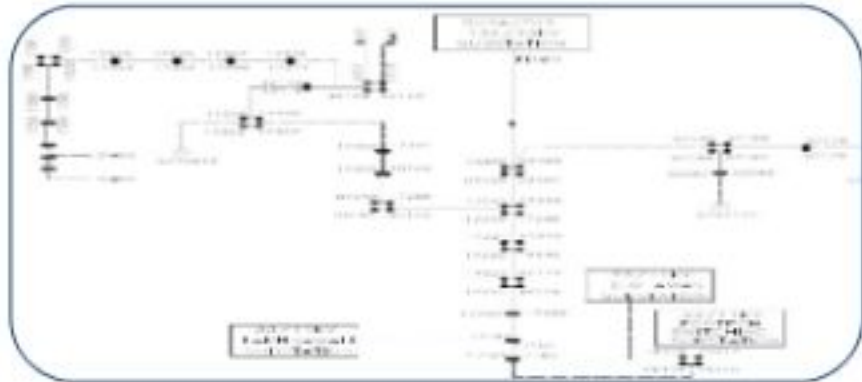
Information Technology

- ✓ Supply of Hardware, COTS Software & Storage solutions
- ✓ System Integration
- ✓ IOT Integration
- ✓ Work flow management
- ✓ ITSM
- ✓ Software / Mobile App Development
- ✓ GIS based turnkey solutions



Telecom

- ✓ Landbase creation using Satellite / Drone imagery
- ✓ Route Survey
- ✓ LiDAR / DGPS survey
- ✓ Underground Utility mapping
- ✓ Network Planning
- ✓ ABD / SLD



Agriculture

- ✓ Drone Spraying Services
- ✓ Satellite based crop monitoring
(In association with IIT Roorkee)
- ✓ Soil Testing
- ✓ Crop Yield estimation
- ✓ Agro Advisory services
- ✓ Drone service centre



Projects

Drone Spraying Services

- Signed MOU with DCM Sriram Group for spraying pesticides and Fertilizer on Sugarcane Crop in their catchment area
- Deployed 5 Drones
- Completed approximately 2000 Acres
- Covered approximately 1200 farmers



Projects

Drone Training Services

- Signed MOU with GBPUAT (**Harbinger of Green Revolution**) for setting up Remote Pilot Training Organization for DGCA approved drone training certification.
- To work on precision agriculture
- To setup Agro Advisory cell for farmers
- To setup drone maintenance training center



Projects

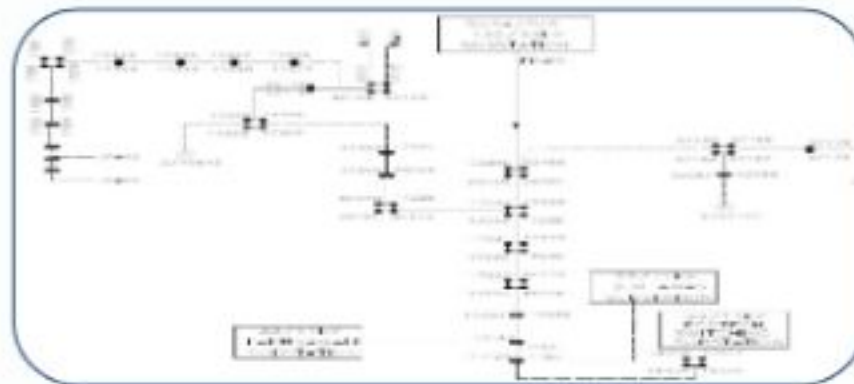
84 Uttarakhand BN NCC

- Training of 16 cadets on drone Design, assembly, flying, and Maintenance.
- Theory classes were given to cadets with individual attention.
- Assembly training.
- Flying sessions for cadets.



Geospatial

- ✓ Land base Creation using Satellite Imagery or as per client input.
- ✓ Remote Sensing, Ortho-Rectification, Land use & Land Cover.
- ✓ Digital Twin services.
- ✓ LiDAR Data acquisition and processing. (Drone & Terrestrial)
- ✓ Drone mapping.
- ✓ Forest mapping.
- ✓ Infrastructure mapping and monitoring. (Roads & Rail)
- ✓ Under ground utility mapping.
- ✓ Urban Mapping, DSM, DTM
- ✓ Drone data acquisition and processing.
- ✓ SLD for Utilities



Projects

Drone Surveying under Swamitva Project (SOI)

- Completed around 400 Sq Km of drone survey in the state of Himachal Pradesh.
- Image processing of AOI
- Scope of delivery



Projects

Digital Twin of CR Park, Delhi

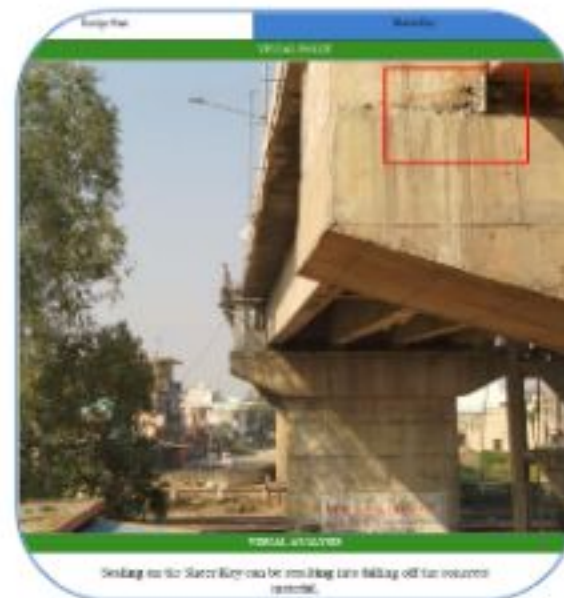
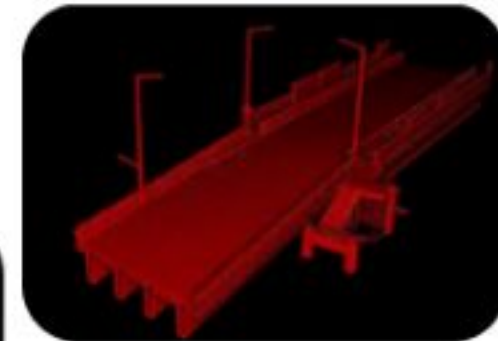
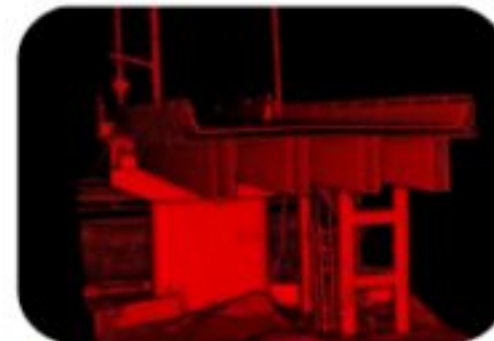
- Successfully completed the pilot project of L&DO (MoHUA, Govt. of India) for creating Digital Twin of CR Park, Delhi.
- Drone with 64 MP camera was used to capture high resolution data. Even LiDAR sensor was used.
- Also the 3D model was aligned with the street view data available on Google maps.



Projects

Bridge inspection using Drone

- Completed Bridge inspection for Rail over Bridge in Palwal, Haryana.
- As a part of the POC for an upcoming project for MoRTH, wherein IIT Chennai is playing the role of Mentor and Trimble being the implementing partner.
- AI will be used to inspect the bridge health and it's life span, based on the visual pictures collected via Drone.



BIM Services

Design, Modelling, Coordination, Walk through, CD, DD, GFC, As-built drawings, VR etc. from LOD-100 to LOD-500, from 2D to 6D, in the fields of hospitality, residential, commercial, mixed use, Airports, Metro & Industries etc.

- ✓ BIM (Architecture / MEP / Structure)
- ✓ Scan to BIM
- ✓ CAD Services
- ✓ LiDAR Scanning and processing
- ✓ GPR Survey
- ✓ Clash Detection
- ✓ Resource deployment

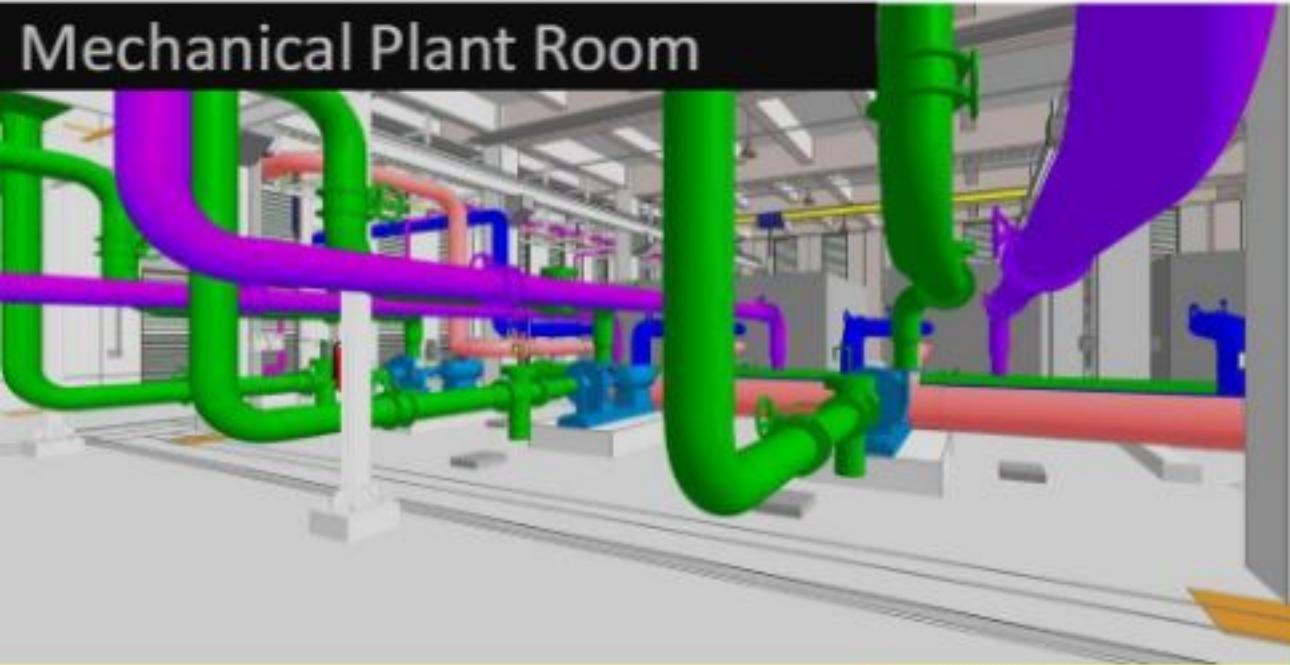


Projects

Project Details	
Project Name:	Commercial Building
Project Location:	Bengaluru, India
Scope of Work:	MEPF modeling up-to LOD 400 LOD 400 Clash Detection Navis submission of MEPF & A,S coordination
Realizations:	GFC Submission. Generation of Revit Families Visual Monitoring of project and Clash detection.
Results:	Produced BIM models & information in an efficient & structured manner for all levels of the project. Improvised coordination with Architects, Structural Consultant and MEP Designer for effective Project Management.



Mechanical Plant Room



Service Floor



P & F Room

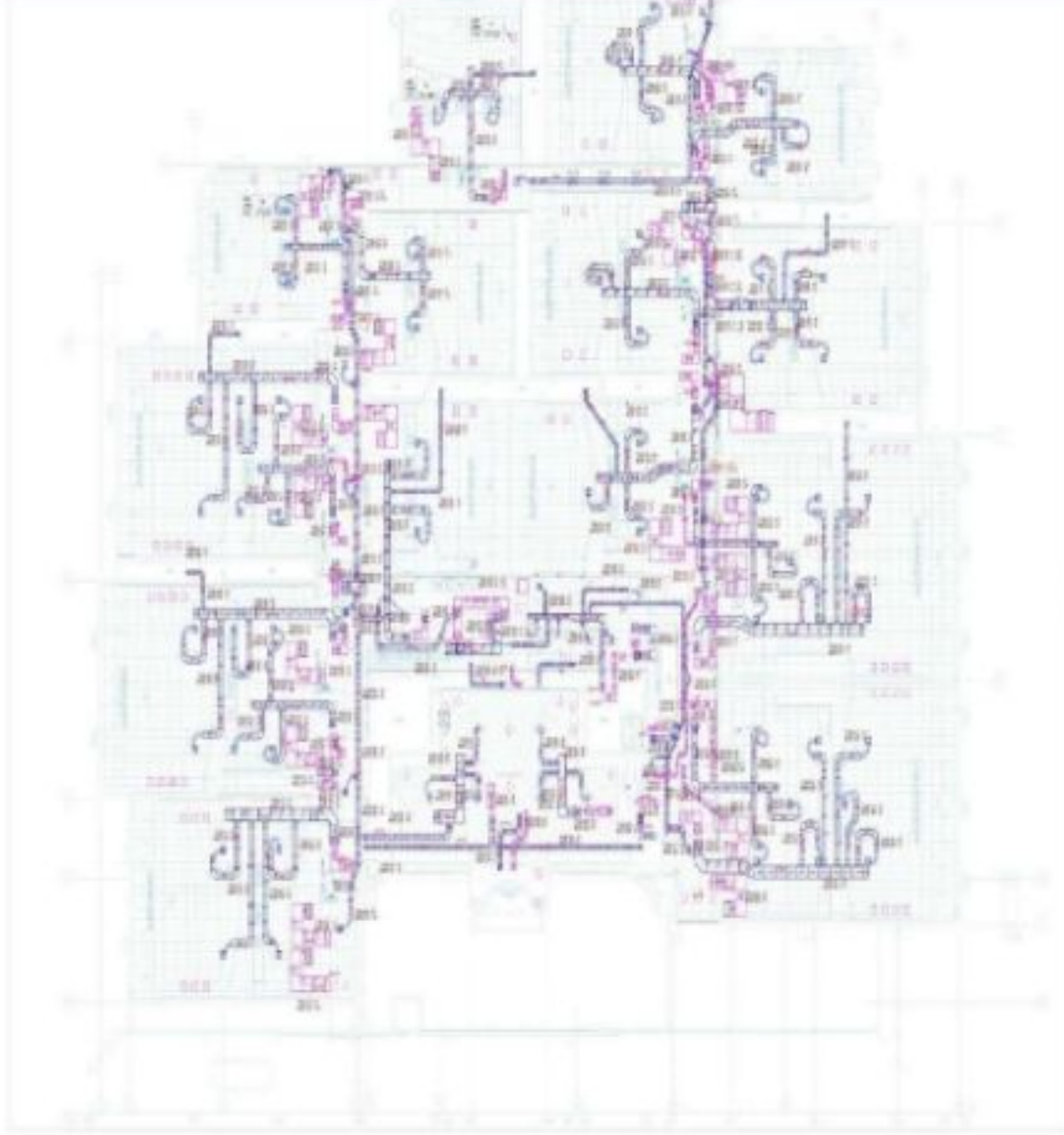


HVAC Room



Projects

Project Details	
Project Name:	Theatres
Project Location:	CA, USA
Scope of Work:	MEPF modeling up-to LOD 400 Shop Drawing Submission Navis submission of MEPF coordination
Realizations:	Shop Drawing Set Submission. Model Coordination Visual Monitoring of project and Clash detection.
Results:	Produced LOD 400 coordinated MEPF BIM models for all levels of the project. Improvise coordination with Architects, Structural Consultant and MEP Designer for effective Project Management.



SHOP DRAWING

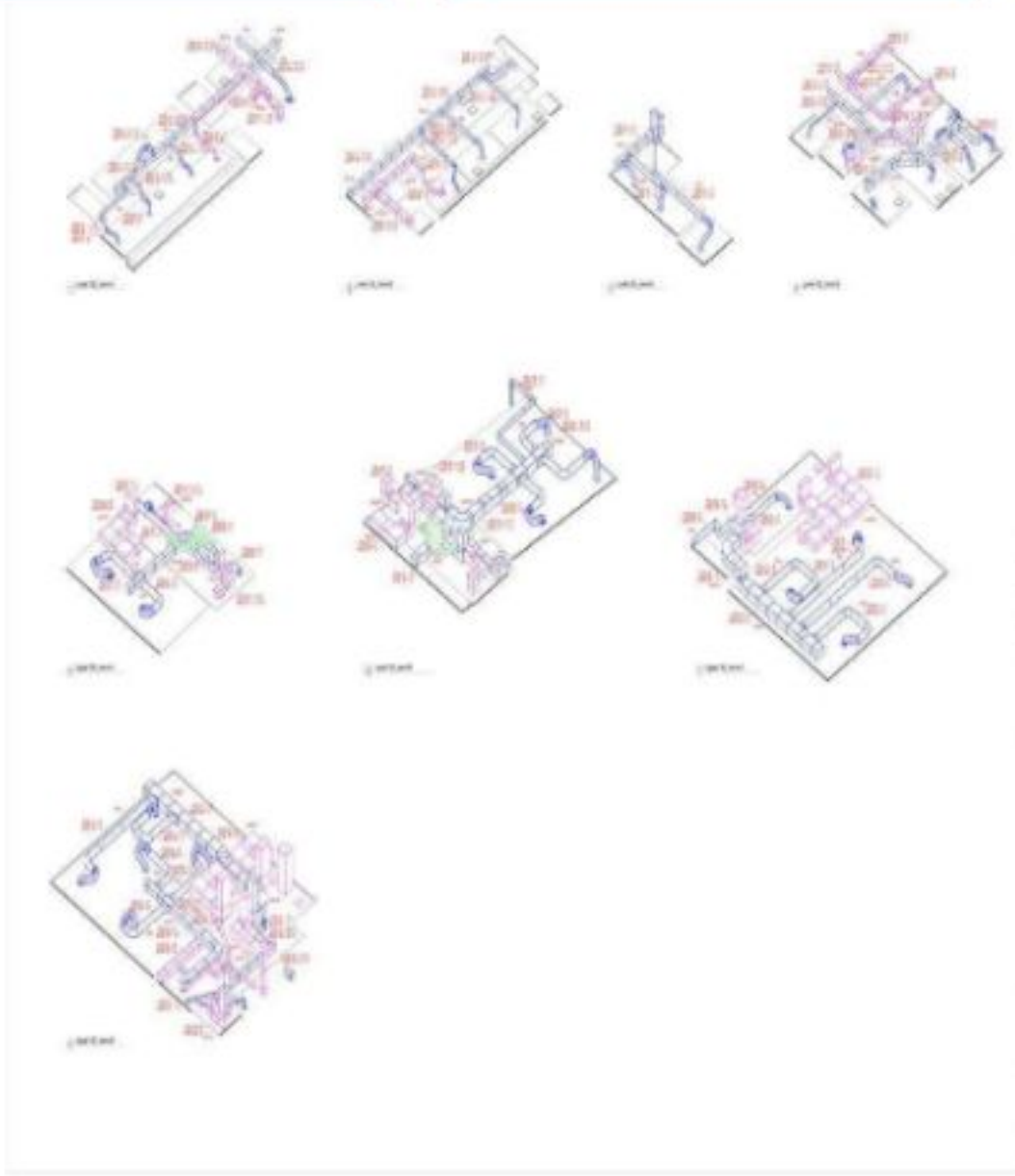


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INTEGRATED SECURITY SOLUTIONS

NO.	REVISION

DATE: 01/01/2024

SM2.2a



SHOP DRAWING



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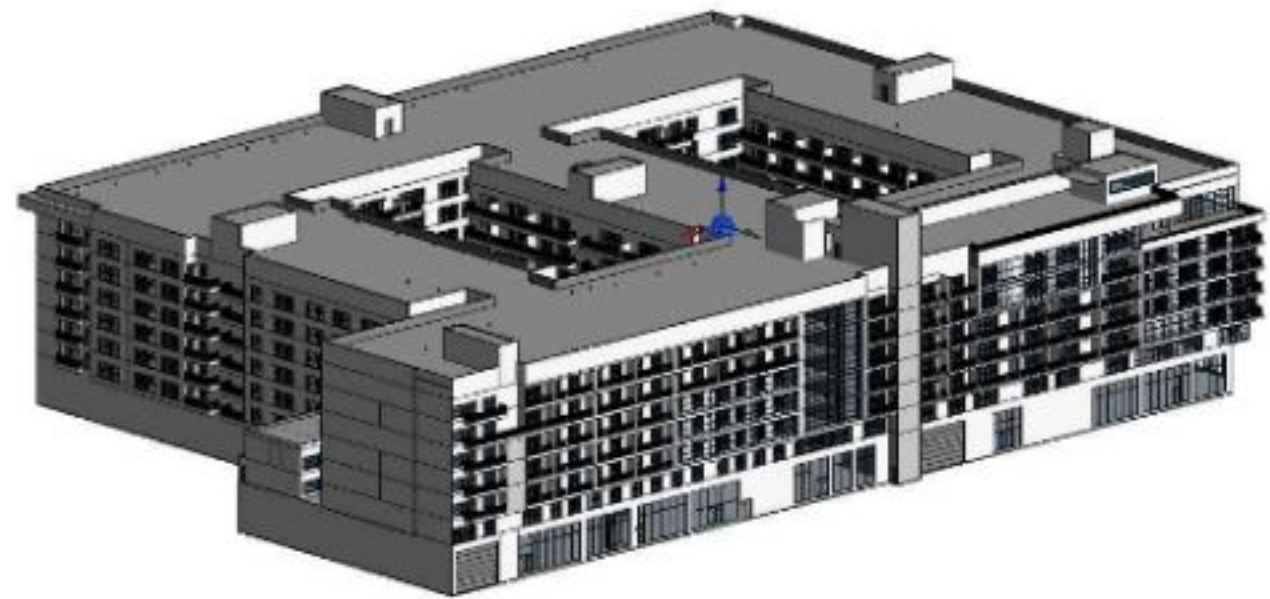
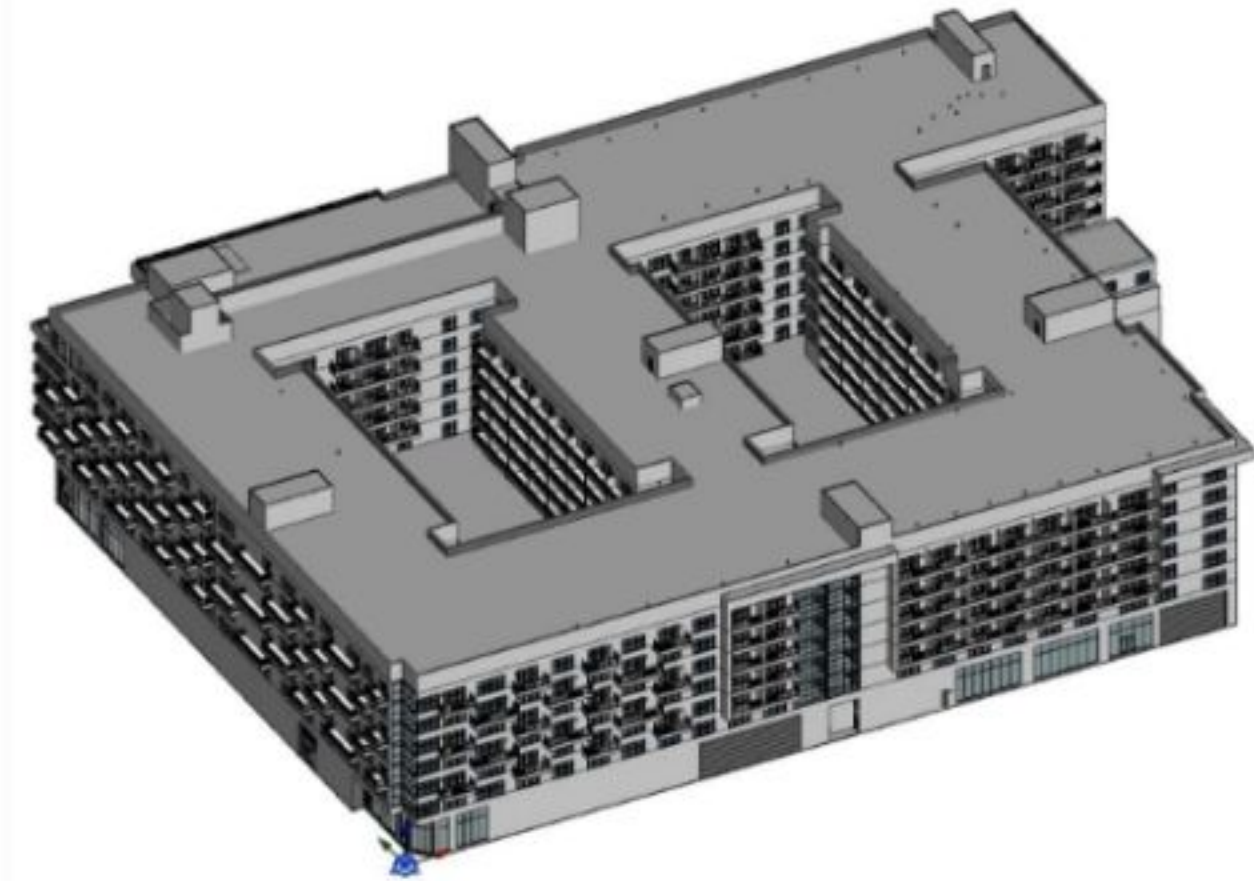
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DATE: 01/01/2024

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Projects

Project Details	
Project Name:	Residential cum Commercial Building
Project Location:	CA, USA
Scope of Work:	Architectural modelling (Scan to BIM) (Exteriors) Sheet generation
Realizations:	Shop Drawing Set Submission. Model Coordination Visual Monitoring of project and Clash detection.
Results:	Produced LOD 300 Architecture BIM models for all levels of the project. Produced sheets as per the client requirement.



Partners



MORTH
Government of India



 Thank you!