AMC COMPANY PROFILE



Why AMC?



A PROVEN TRACK RECORD, AND A COMMITMENT TO QUALITY

SKILLED PROFESSIONALS DELIVERS INNOVATIVE AND EFFICIENT BIM SOLUTIONS TAILORED TO YOUR NEEDS

Choose us for your BIM services because we offer unparalleled expertise, a proven track record, and a commitment to quality. With over 350 successful projects worldwide, our team of skilled professionals delivers innovative and efficient BIM solutions tailored to your needs. We ensure precise project coordination, cost optimization, and timely delivery, all while adhering to the highest industry standards. Partner with us for reliable, cutting-edge BIM services that drive your project's success.

Excellence:

Excellence is a way of life for us. Our commitment to hard work, creativity, and innovation allows us to reach our full potential in approach, operations, and collaborations. We foster a culture of excellence from the ground up within our organization to achieve operation at the highest industry standards.

Agility:

We understand that every business is different. We are highly agile and can adjust quickly to changing market conditions and client requirements. In addition, we offer a variety of business models to suit your specific needs at competitive prices.

Reliability:

AMC BIM relies on trusted processes to consistently produce excellent results, We have over 10 years of experience in the AEC industry, and our work processes are Proven, Result-oriented, and ISO-certified.

Teamwork:

We work together to scale every challenge. We understand that it is only through teamwork that we can provide the best possible results for our customers. AMC BIM fosters a team-oriented culture where everyone is valued, and their contributions are encouraged and recognized.

Our Mission

To be the leading multi-discipline engineering company, providing project engineering, project management, engineering studies, construction and maintenance works in Egypt.



Innovative Solutions Development

Drive advancements in technology, focusing on the latest software solutions and cutting edge systems that provide tangible value to our clients and partners.

Lead the charge in adopting and integrating BIM technologies across all projects to optimize efficiency, reduce costs, and enhance project outcomes.



Continuous R&D Excellence

Invest in continuous research and development to remain at the forefront of emerging technologies, ensuring our offerings are always relevant, competitive, and future proof.

Collaborate with external technology experts, consultants, and contractors to foster innovation and deliver customized solutions.



Training and Skill Enhancement

Provide ongoing, comprehensive training programs for our teams, engineers, and field staff, empowering them with the knowledge and skills required to thrive in an ever-evolving technological landscape.

Ensure our workforce remains at the cutting edge of industry trends and BIM best practices to support both internal growth and client success.



Sustainability and Energy Efficiency

Commit to sustainability by designing and delivering solutions that reduce energy consumption, optimize resource usage, and contribute to the broader goal of environmental conservation.

Champion energy efficient technologies and systems that align with the global push for greener buildings and operations.

Our Vision

The Company continues to move forward and keep advancing by being up-to-date with the latest in our field and consistently delivering projects that meet international standards.

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B2B Excellence and Stakeholder Collaboration

Develop strong B2B relationships with stakeholders, from contractors to facility managers, ensuring seamless collaboration and mutual growth. Position ourselves as the preferred technology partner for businesses in the facility management, construction, and engineering sectors, with a shared goal of achieving operational excellence and market leadership.

2

Industry Leadership in BIM

Strive to be the number one choice for all BIM-related services and solutions, setting new standards for quality, efficiency, and innovation in the industry. Ensure that our BIM solutions meet and exceed the growing demands of the market, positioning us as leaders in the field.

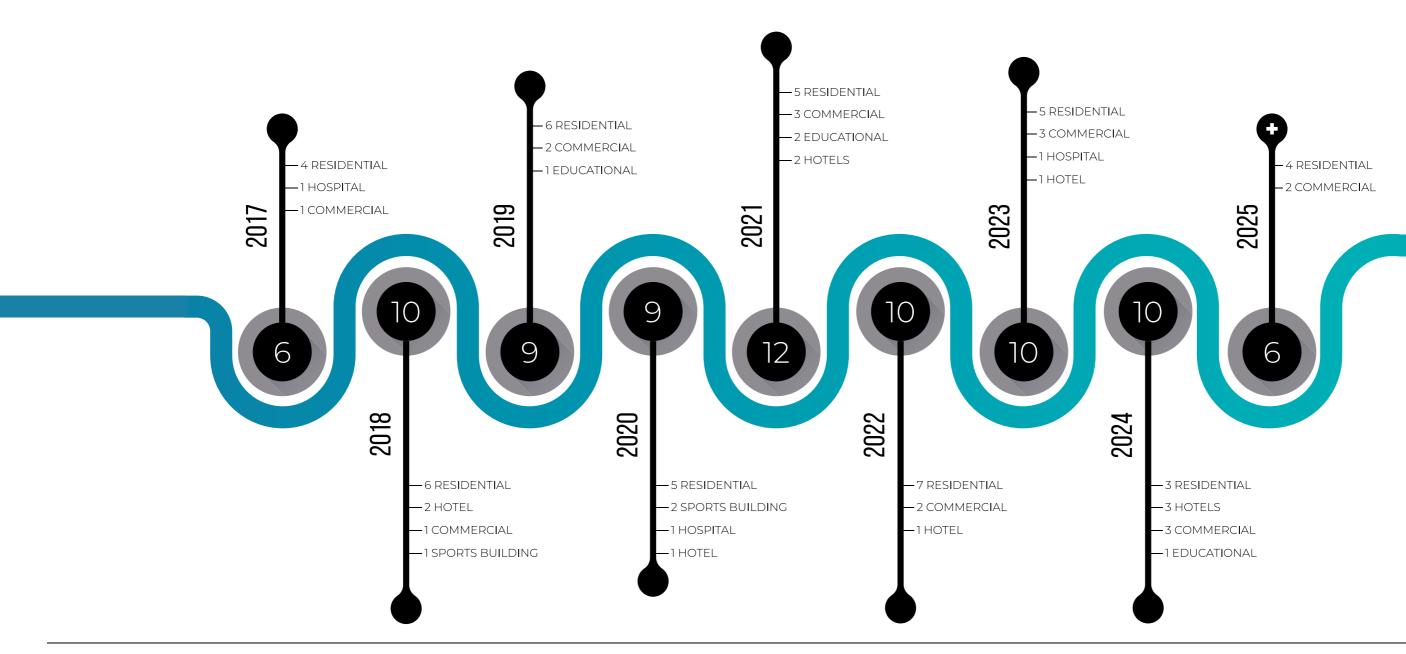
3

Continuous Innovation

Committo the continuous evolution of our solutions by staying ahead of industry trends and embracing new technologies that can further enhance workflows and drive efficiency. Continuously improve our products to deliver cutting-edge features that address the dynamic needs of the engineering and construction industries.

Project Types Timeline

We are an Engineering BIM Specialist Firm, dedicated to providing best-in-class Building Information Modeling (BIM) services to stakeholders across the construction industry. Our team has extensive experience delivering BIM solutions for a wide range of project types-including residential, commercial, industrial, and infrastructure developments, With a deep understanding of project timelines, we tailor our BIM processes to meet the unique requirements and schedules of each project phase, from concept design and planning through to construction and facility management. Through innovation, efficiency, and precision, we ensure timely delivery, cost optimization, and enhanced sustainability for every project we undertake.



Project Expertise





Our Associates



































oneworks:













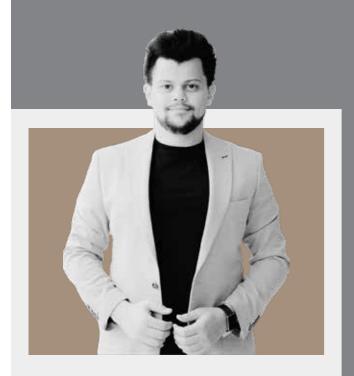






Our Team

These individuals collectively form the core leadership team at AMC, guiding the firm's success in BIM and engineering services.



Mohamed Magdy

BIM Lead Manger

With extensive experience in BIM management, Mohamed oversees project coordination and technical workflows at AMC.



Omar Afifi

Construction Manager

Omar Afifi is responsible for overseeing daily operations and communications at AMC.



Dr. Ahmed Samir

Projetc Manager

Ahmed plays a pivotal role in overseeing financial and operational audits at AMC.



Ahmed Tarek

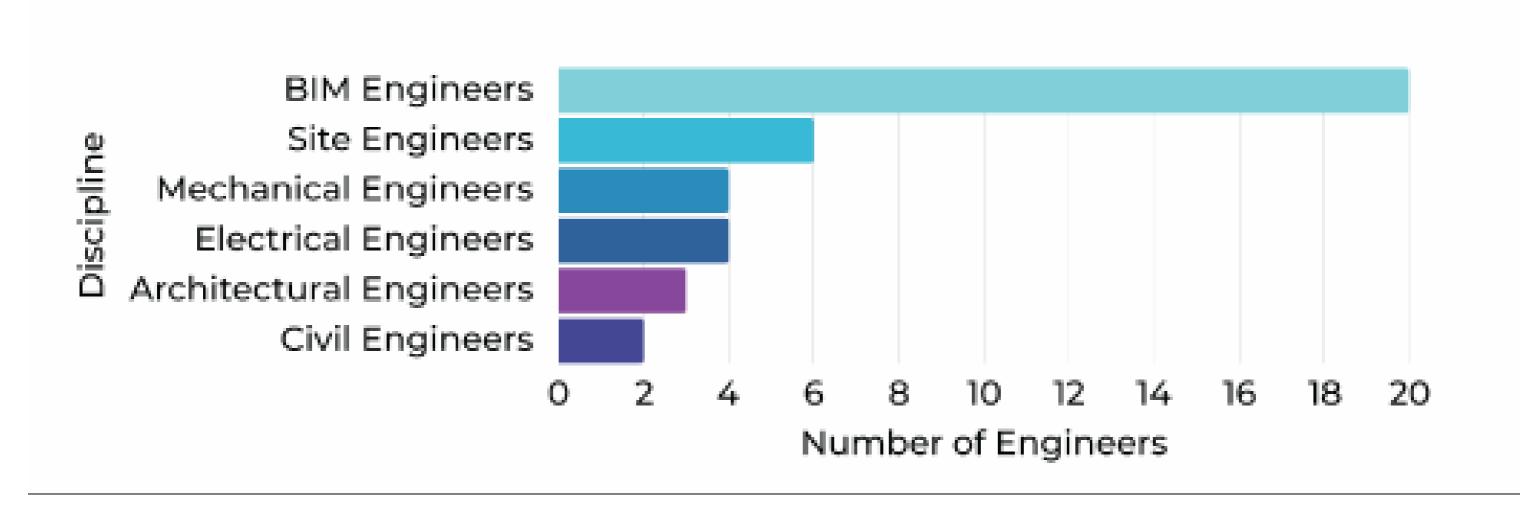
BIM Manager

Ahmed Tarek manages architectural BIM workflows at AMC.

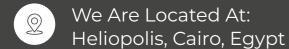
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Our Team

AMC significant contribution to Building Information Modeling (BIM) is driven by our highly qualified and experienced team, including engineers, architects, and other skilled professionals. Our workforce is proficient in international construction codes and standards, ensuring exceptional quality in every project. We take pride in our diverse team and their extensive global experience. At Archmetrics, we are committed to continuous development and learning, embracing new engineering and technology advancements with each project to deliver innovative and cutting-edge solutions.







#YOURBIMSERVICESPARTNER

OUR MAIN SERVICES

of buildings and infrastructure.

We offer a range of services These services help enhance aimed at improving the design, efficiency, reduce risks, and construction, and management improve collaboration throughout the project lifecycle.

Our key services include:

- 1.3D Modeling and Visualization.
- 2. Clash Detection.
- 3. Design Coordination.
- 4. Construction Planning.
- 5. Facility Management Support.
- 6. Sustainability Analysis.

Engineering Services

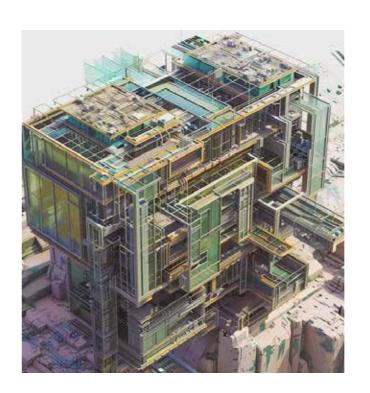
BIM Services

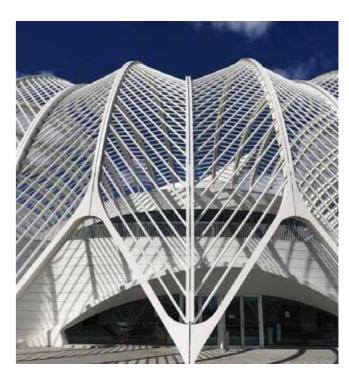
Design Services

Site Supervision
Services



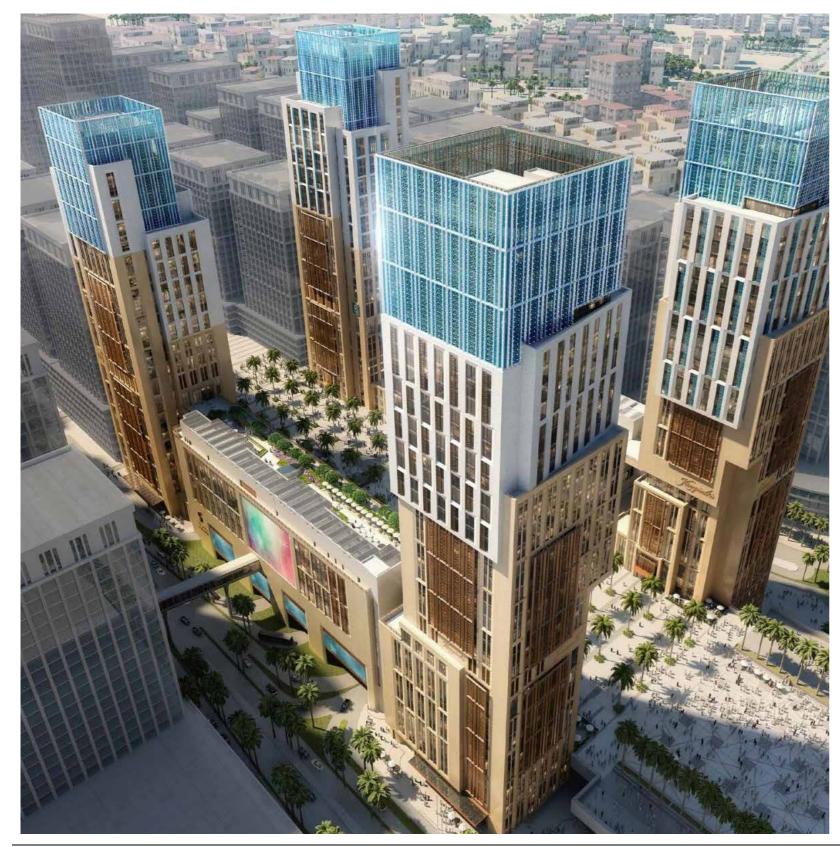






Architectural Design

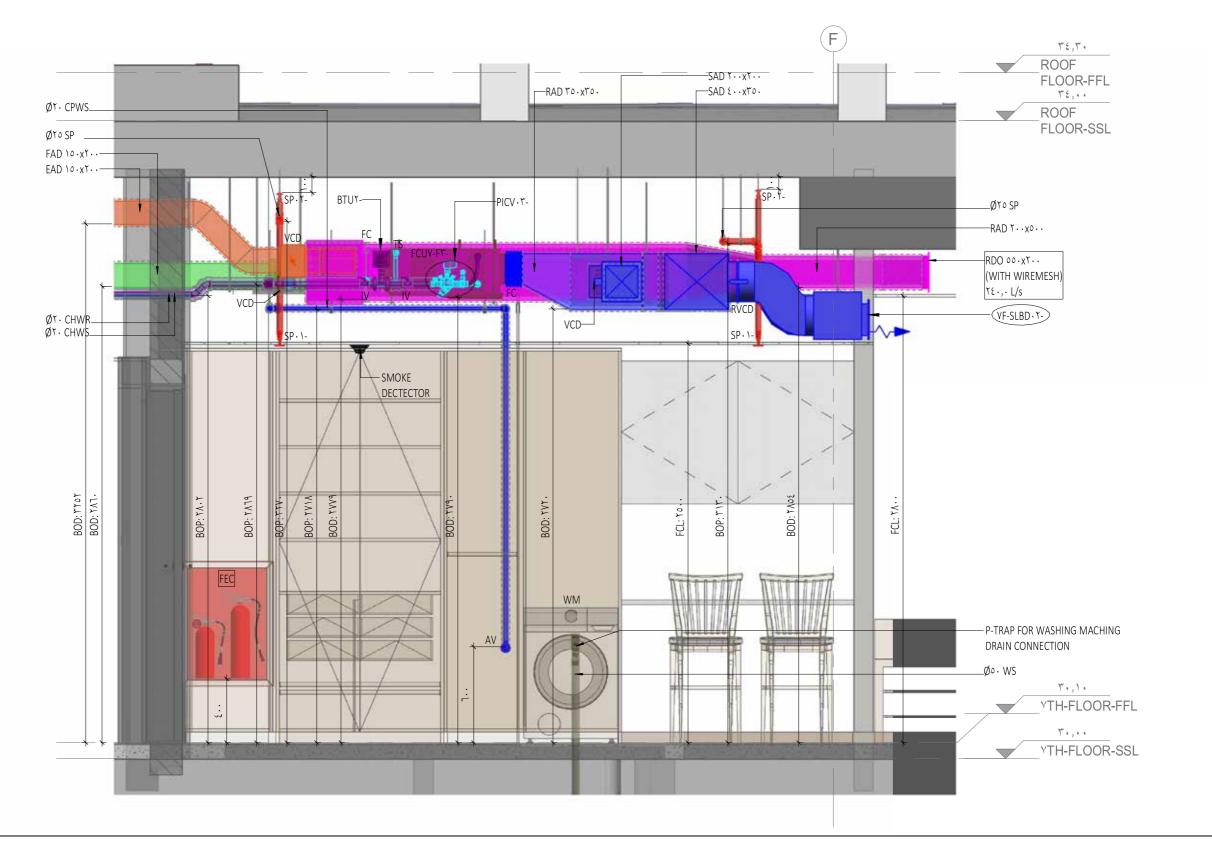
Architectural design is the art and science of conceptualizing, planning, and designing structures. It involves creating spaces that are not only functional and safe but also aesthetically pleasing and culturally significant.

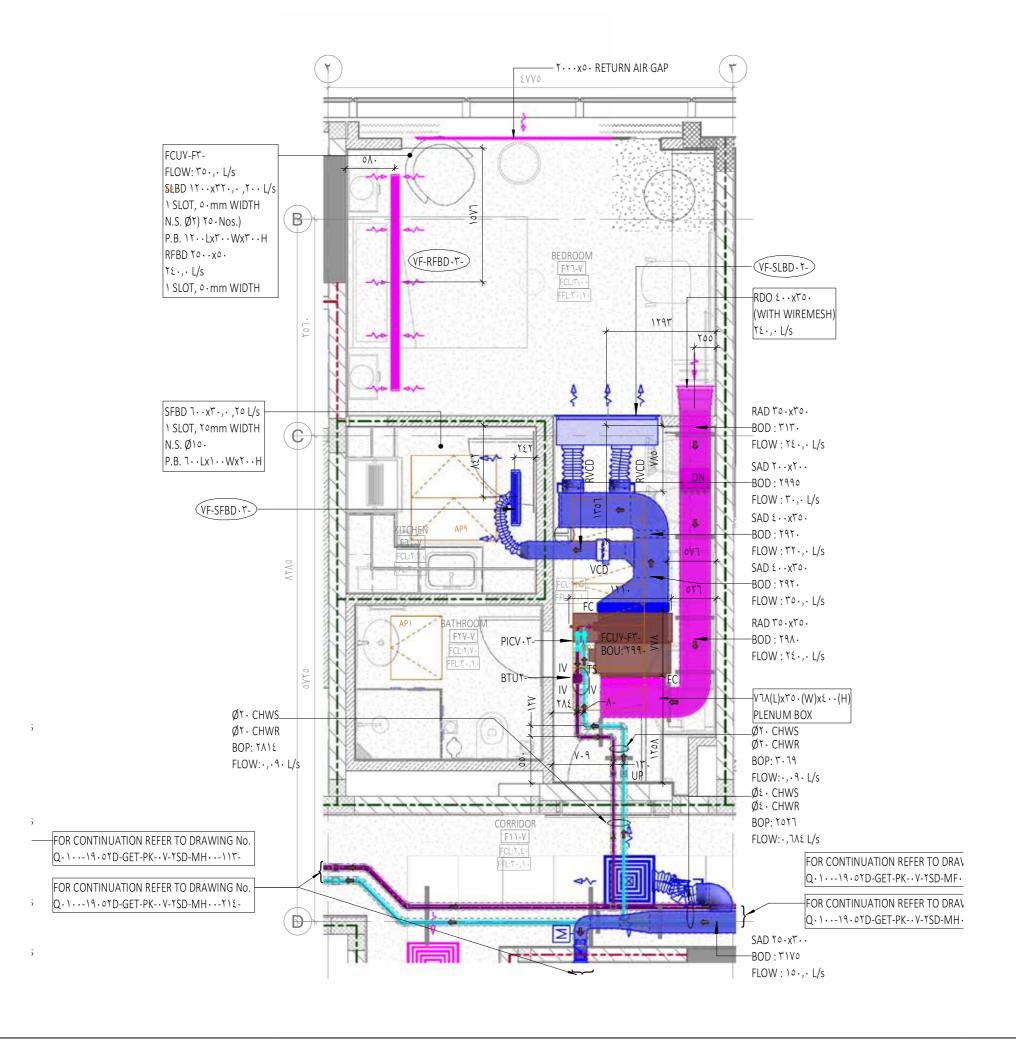




Mechanical BIM Documentation

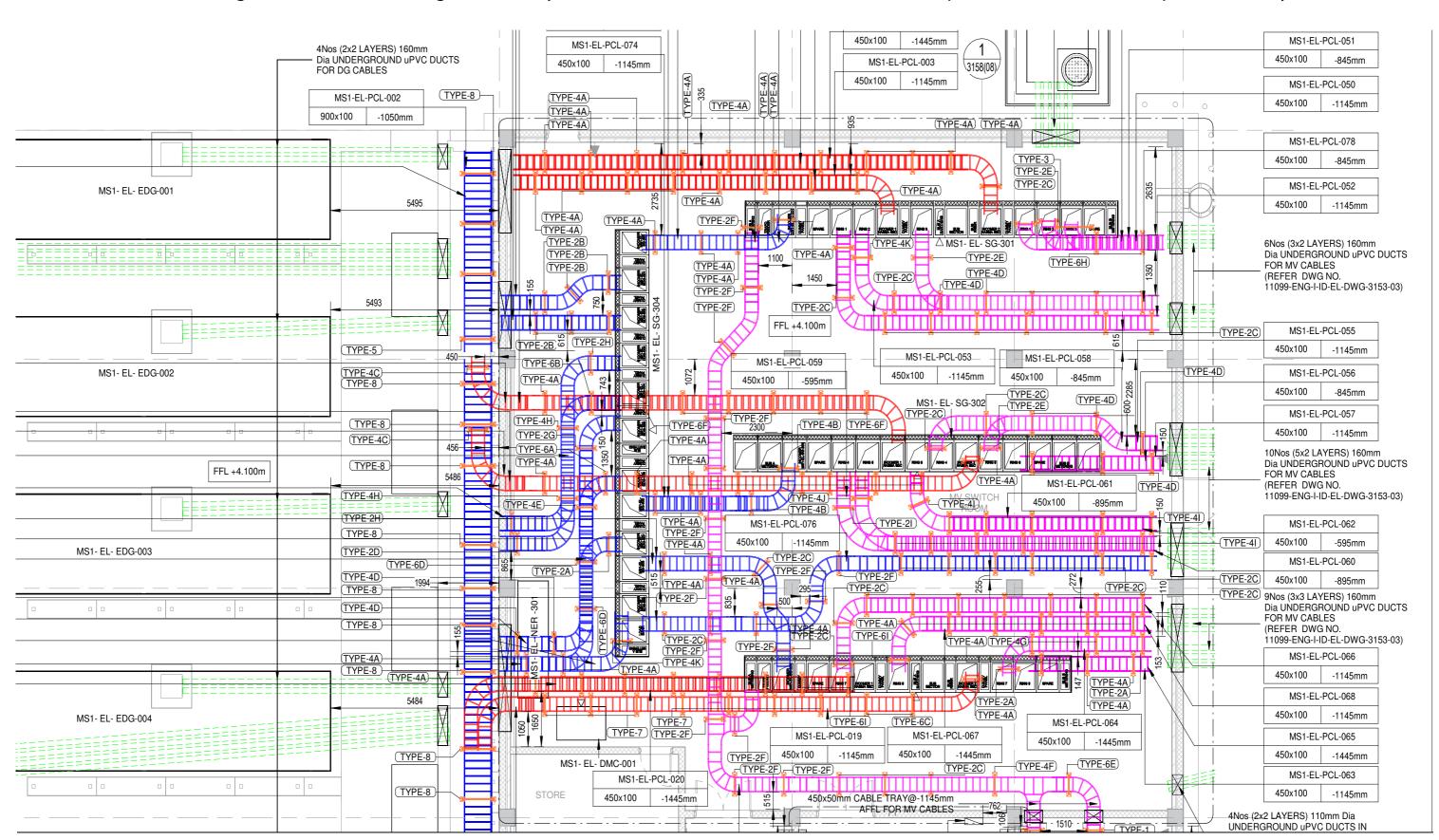
Mechanical design is the process of creating detailed plans and drawings for mechanical systems or components. It involves using principles of engineering, physics, and materials science to design products that can perform specific functions.

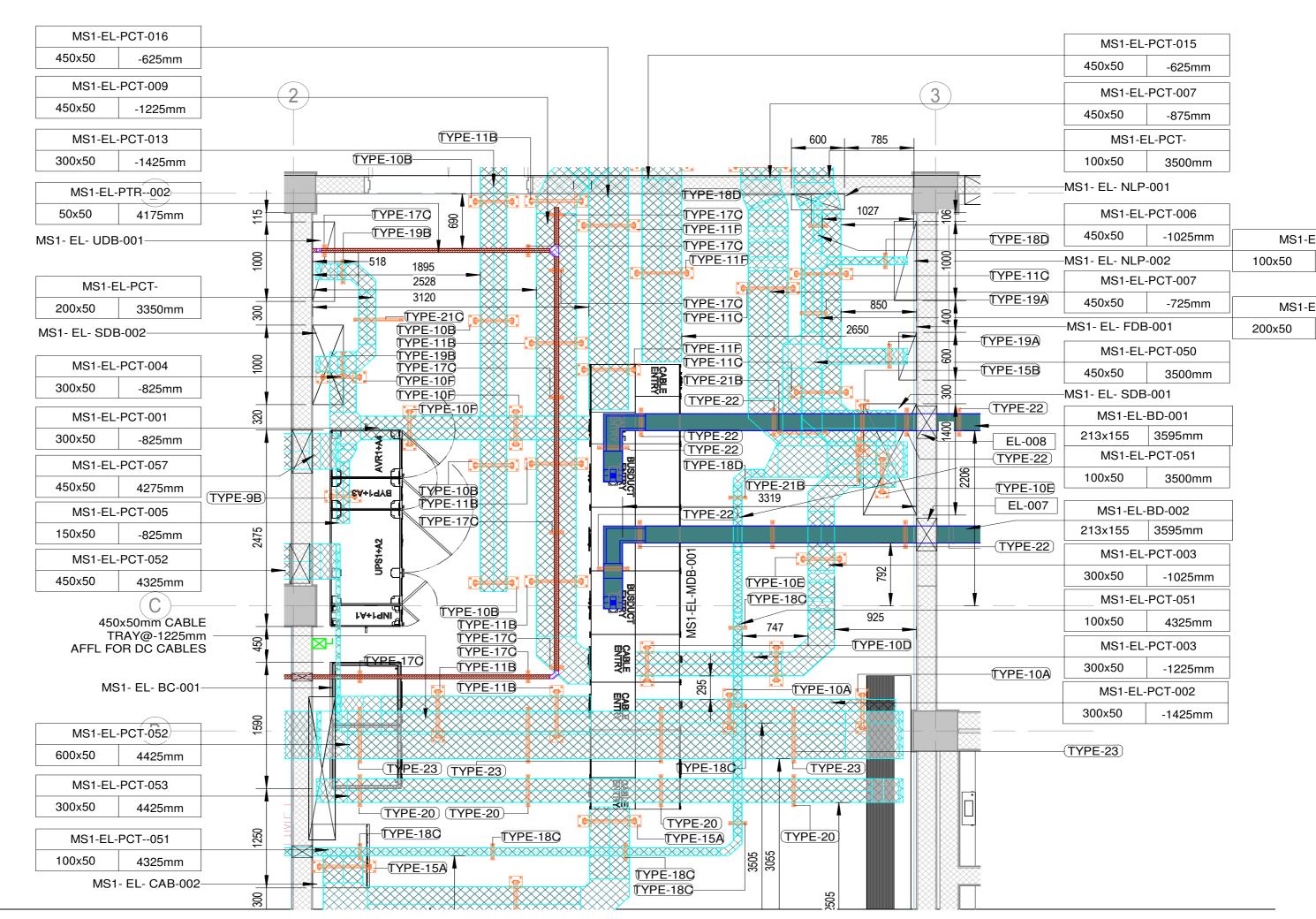




Electrical BIM Documentation

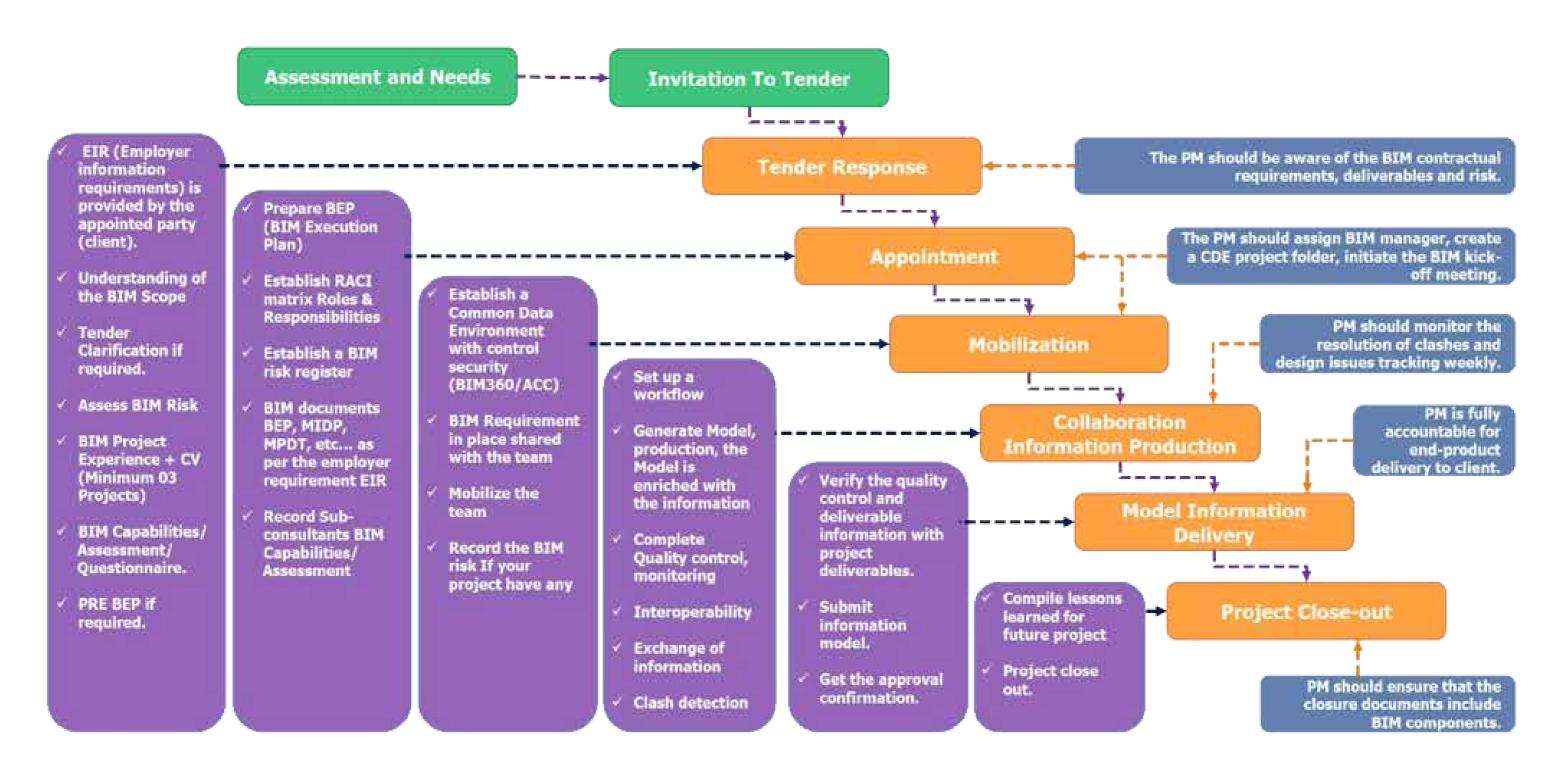
Electrical design is the process of planning, designing, and implementing electrical systems for various applications, including buildings, infrastructure, and electronic devices. It involves creating schematics, circuit diagrams, and layouts to ensure the safe, efficient, and reliable operation of electrical components and systems.





BIM Management

BIM Management Service is a comprehensive approach to managing Building Information Models (BIM) throughout a project's lifecycle. It involves overseeing the creation, coordination, and utilization of BIM data to enhance decision-making, improve project efficiency, and reduce costs.



BIM Architectural Modelling (LOD 400)

BIM Architectural Modeling at Level of Development (LOD) 400 is a detailed stage in the building information modeling (BIM) process. At this level, the model includes specific information about the fabrication, assembly, and installation of building components. This level of detail is crucial for contractors and manufacturers as it provides precise information for production and construction purposes. LOD 400 models are often used to generate shop drawings and facilitate prefabrication, leading to increased efficiency and accuracy in the construction process.





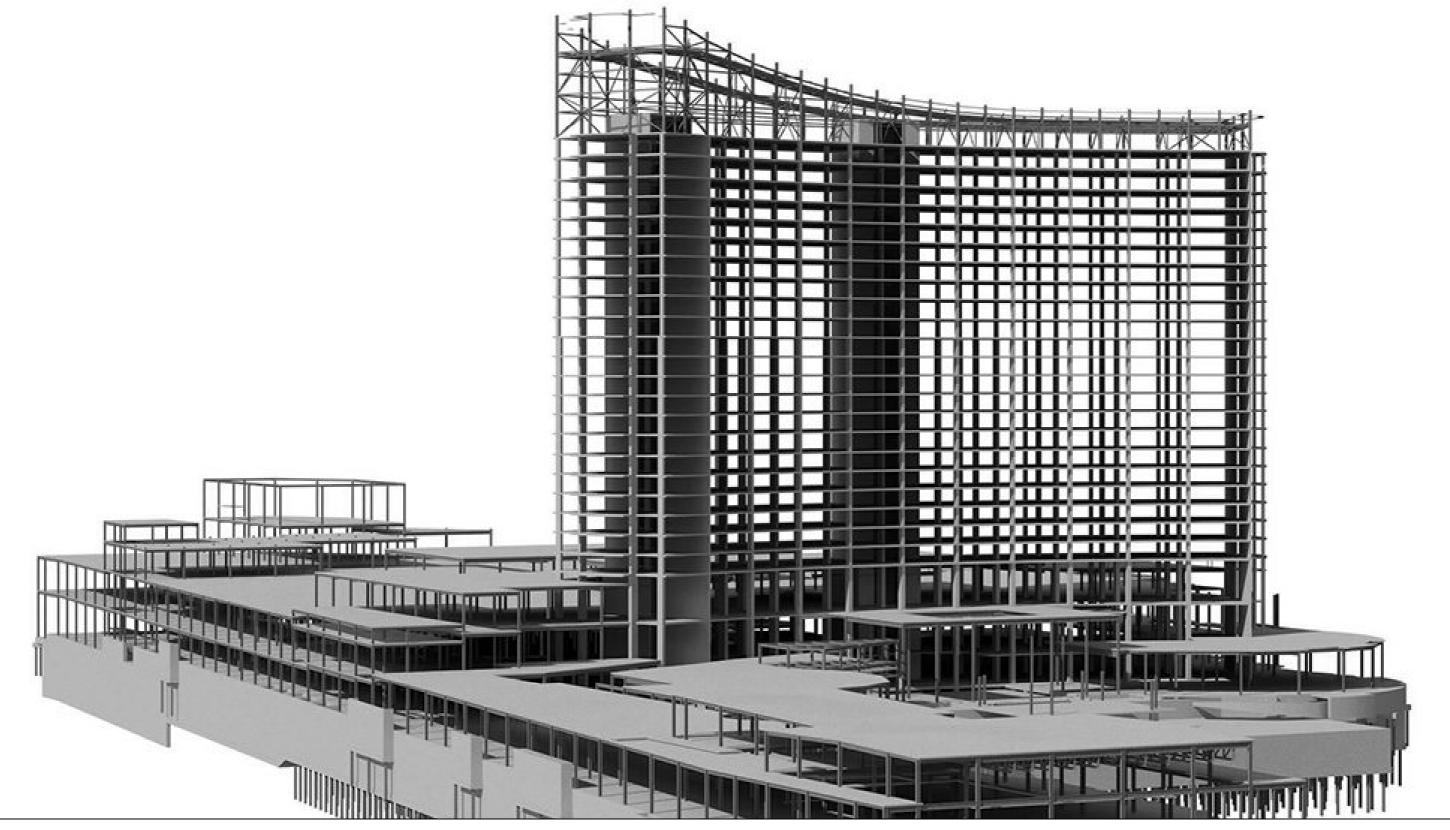




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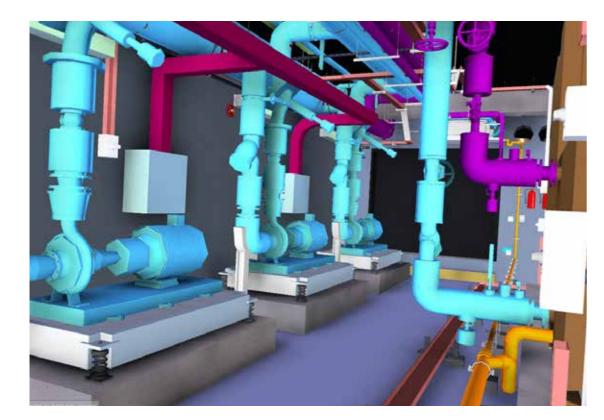
BIM Structural Modelling (LOD 400)

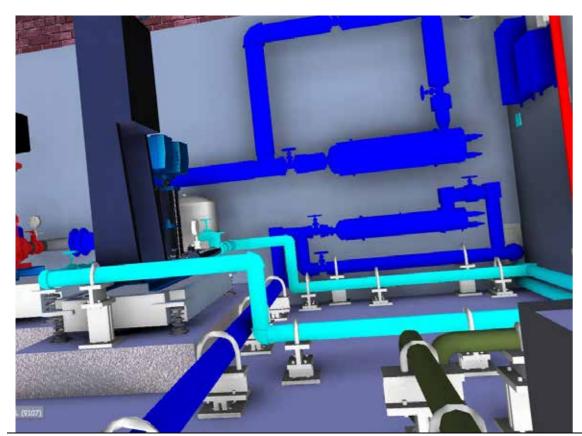
BIM Structural Modelling at LOD 400 is a highly detailed level of development within Building Information Modeling (BIM). At this stage, structural elements are modeled with precise geometry.

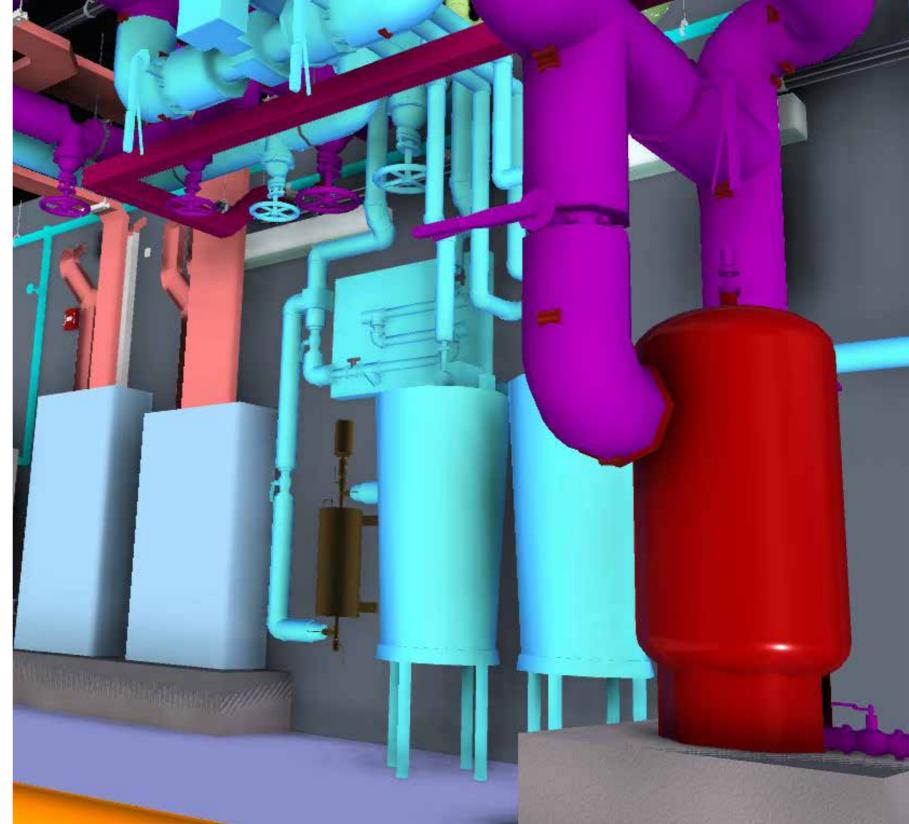


BIM Mechanical Modelling (LOD 400)

BIM Mechanical Modeling at Level of Development (LOD) 400 focuses on providing detailed information for fabrication and assembly of mechanical systems within a building.







BIM Modelling (LOD 500)

At AMC, our LOD 500 BIM Service represents the As-Built stage of the model, reflecting the final, field-verified conditions of the project. This level is typically delivered at project handover and is used for operations, maintenance, and facility management. Our LOD 500 model includes:

1. Verified As-Built Conditions

All model elements are field-verified and reflect the actual construction.

Geometry, dimensions, and locations are accurate as per site installation.

Complete Asset Data Integration

All major systems and components include asset information such as:

Manufacturer

Model number

Serial number

Installation date

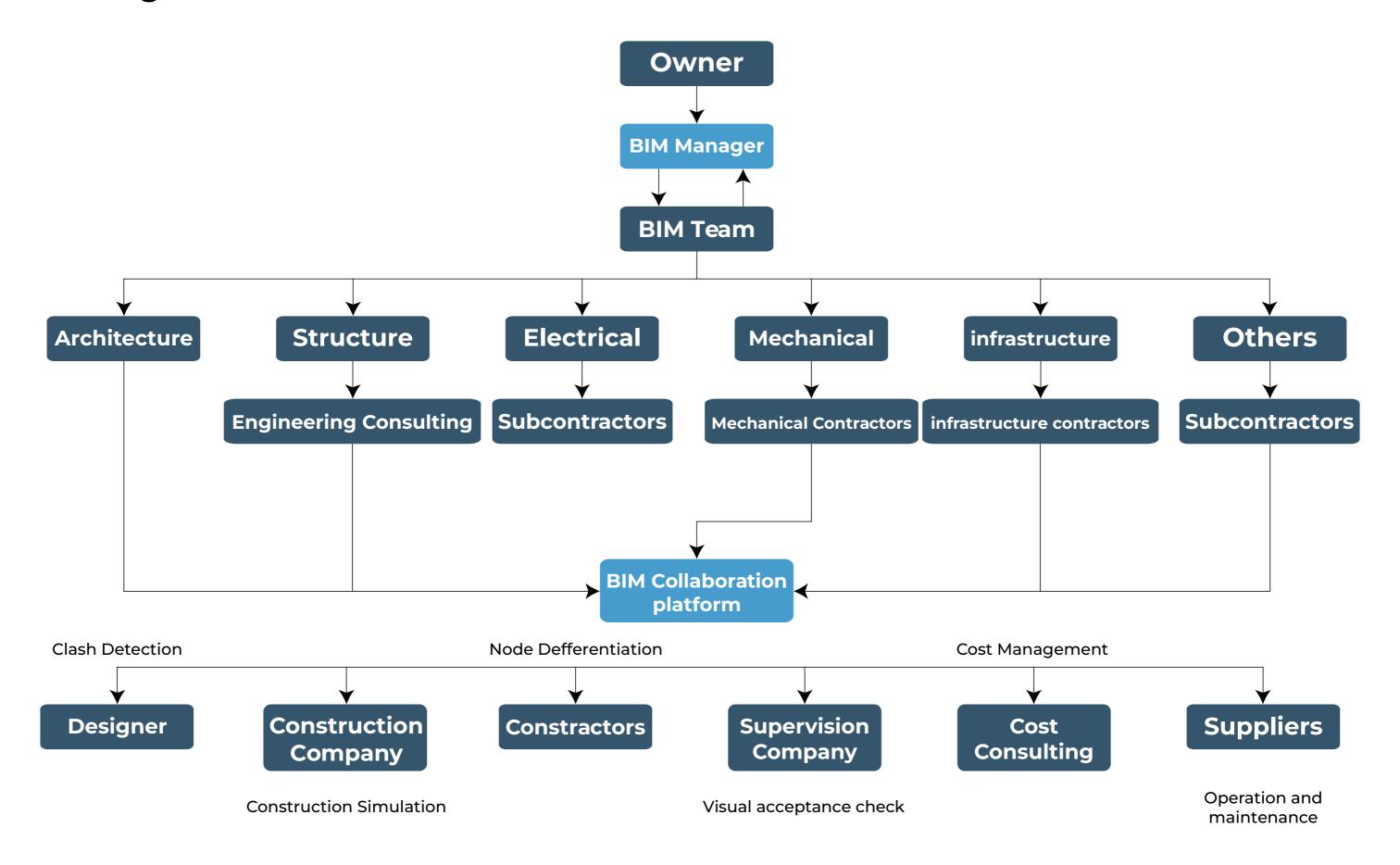
Warranty information

Maintenance schedules

Tagging and coding (linked to asset management systems if required)

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BIM Organization Team



Cobie implementation

At AMC, we support full COBie (Construction-Operations Building information exchange) implementation as part of our BIM delivery at LOD 500. COBie ensures efficient data transfer from design and construction to facilities management. Our implementation follows international standards such as ISO 19650 and NBIMS-US.

COBie-Compliant Data Structure
Populate COBie spreadsheet or database structure with the following key tabs:

Facility – General info about the building or project

Floor – Floor names and elevations

Space – Room/zone definitions linked to architectural models

Zone – Logical groupings (e.g., HVAC zones, departments)

Type – Equipment/system types with performance and specification data

Component – Individual equipment instances with location and asset data

System – System assignments (e.g., chilled water, fire alarm)

Spare, Warranty, Job, and Document - Maintenance and handover data

Cobie implementation

Integration with Revit Models Link COBie parameters directly in Revit family types and instances using shared parameters.

Employ tools like Revit COBie Extension, BIM Interoperability Tools, or custom Dynamo scripts for automation and validation.

Quality Assurance and Validation

Run COBie validation tools to check for:

Data completeness

Field formatting errors

Missing links between components and systems

Perform client reviews and sign-offs before final handover.

Deliverables

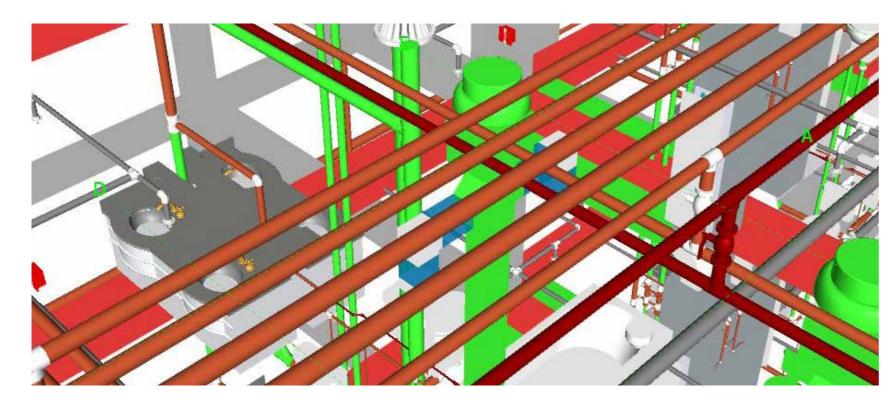
Final COBie file in Excel (.xls/.xlsx) format

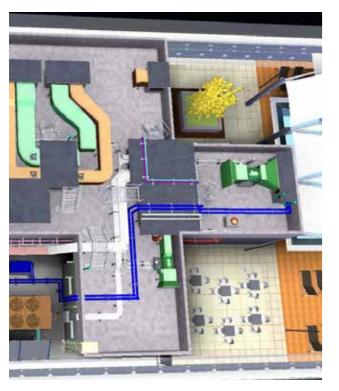
Linked Revit model (RVT) with COBie parameters

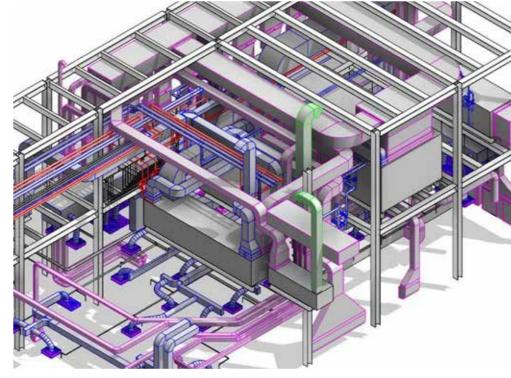
Optional exports for FM platforms (e.g., Archibus, Maximo, Planon)

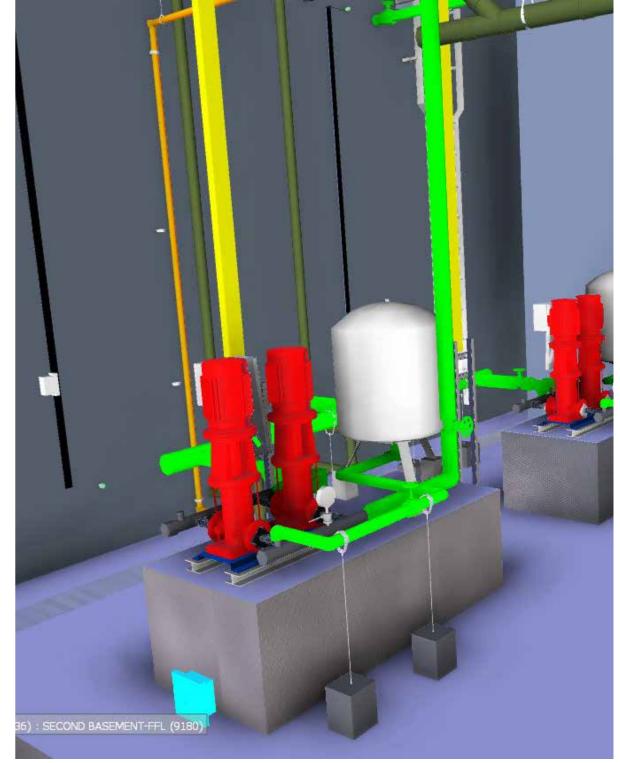
BIM Coordination

BIM Coordination is the process of bringing together BIM models from different disciplines (like architecture, structural engineering, MEP, etc.) to identify and resolve conflicts before construction begins. This collaborative approach ensures that all project components fit together seamlessly, reducing costly errors and delays.



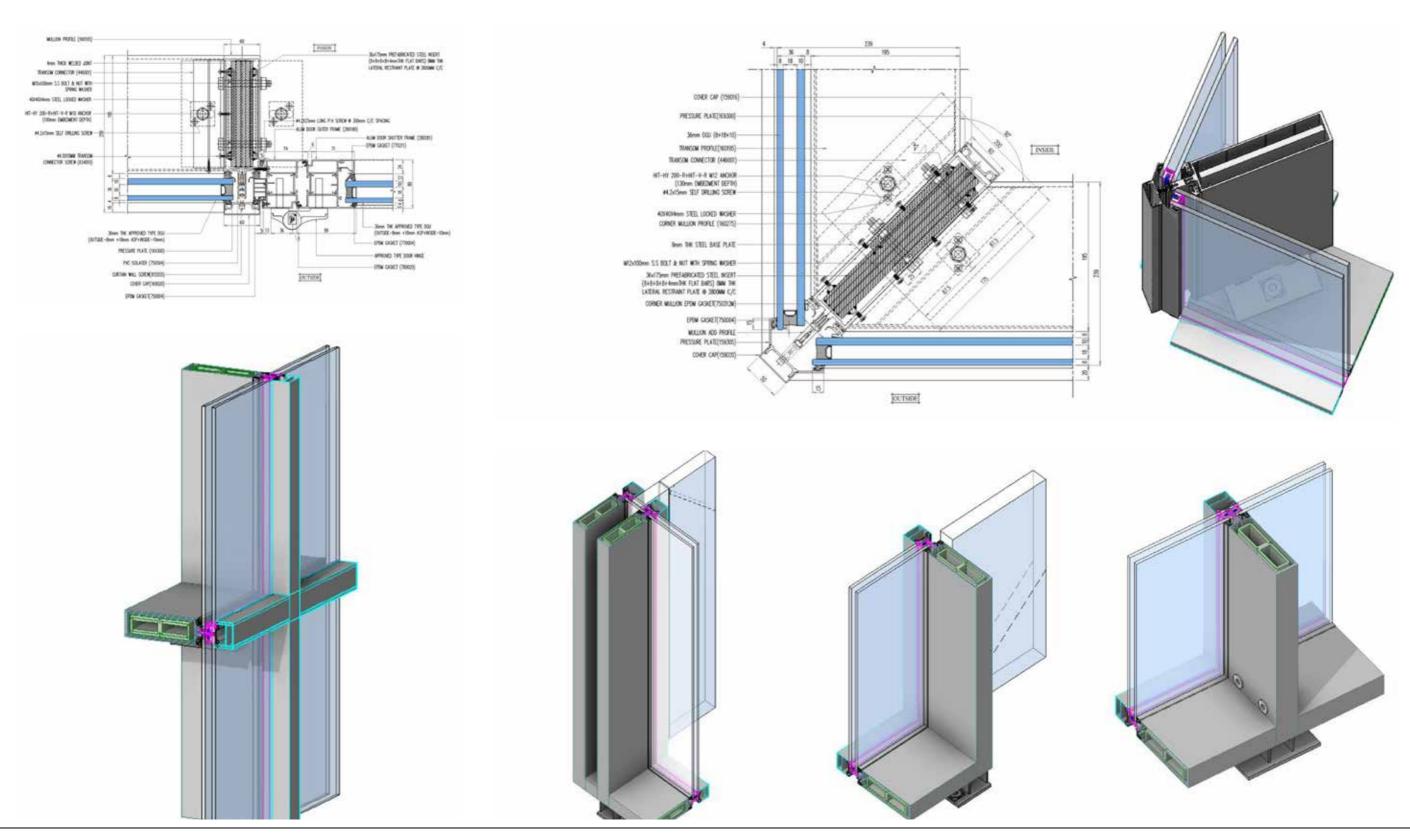






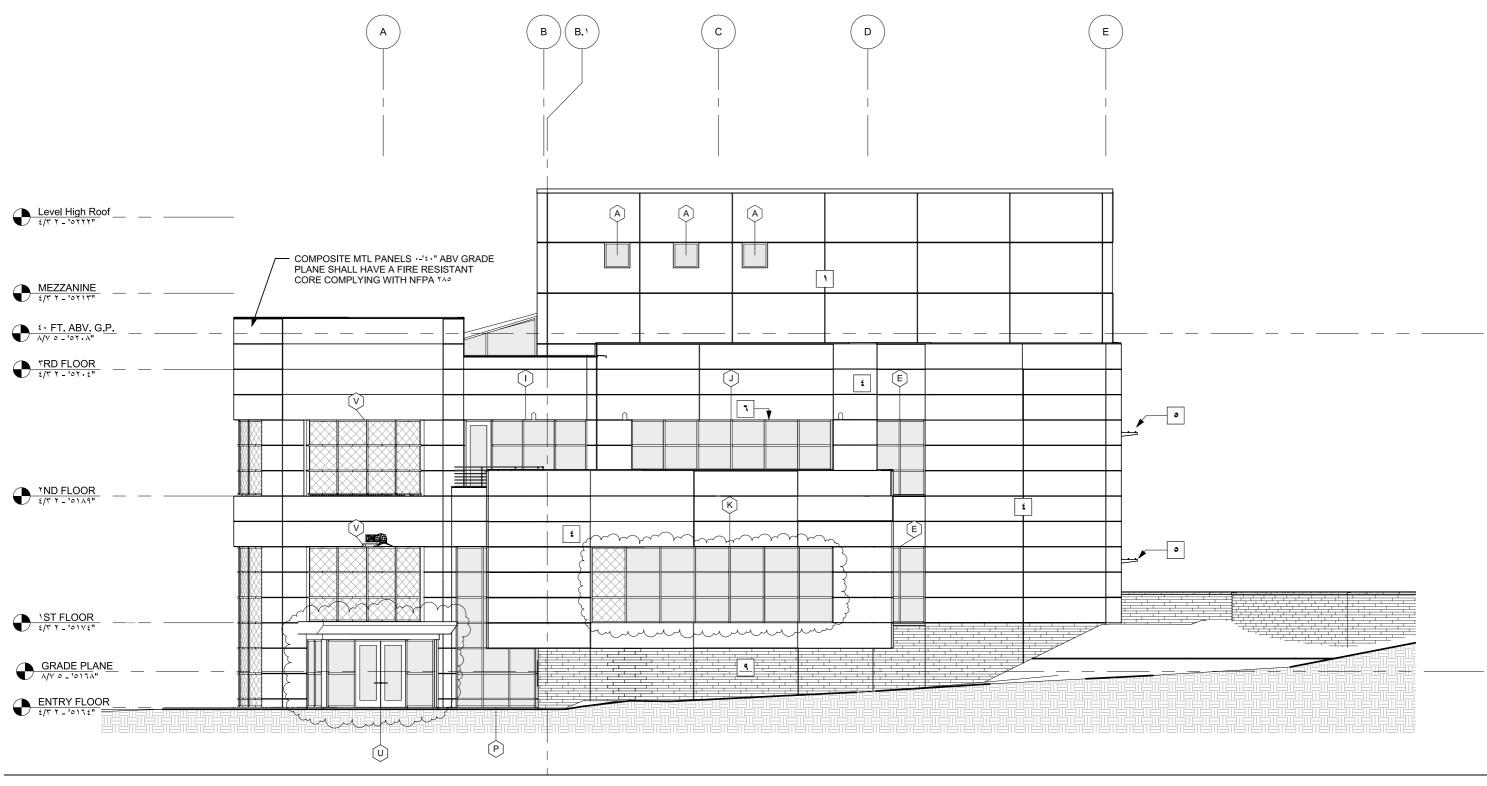
Curtain Wall Fabrication

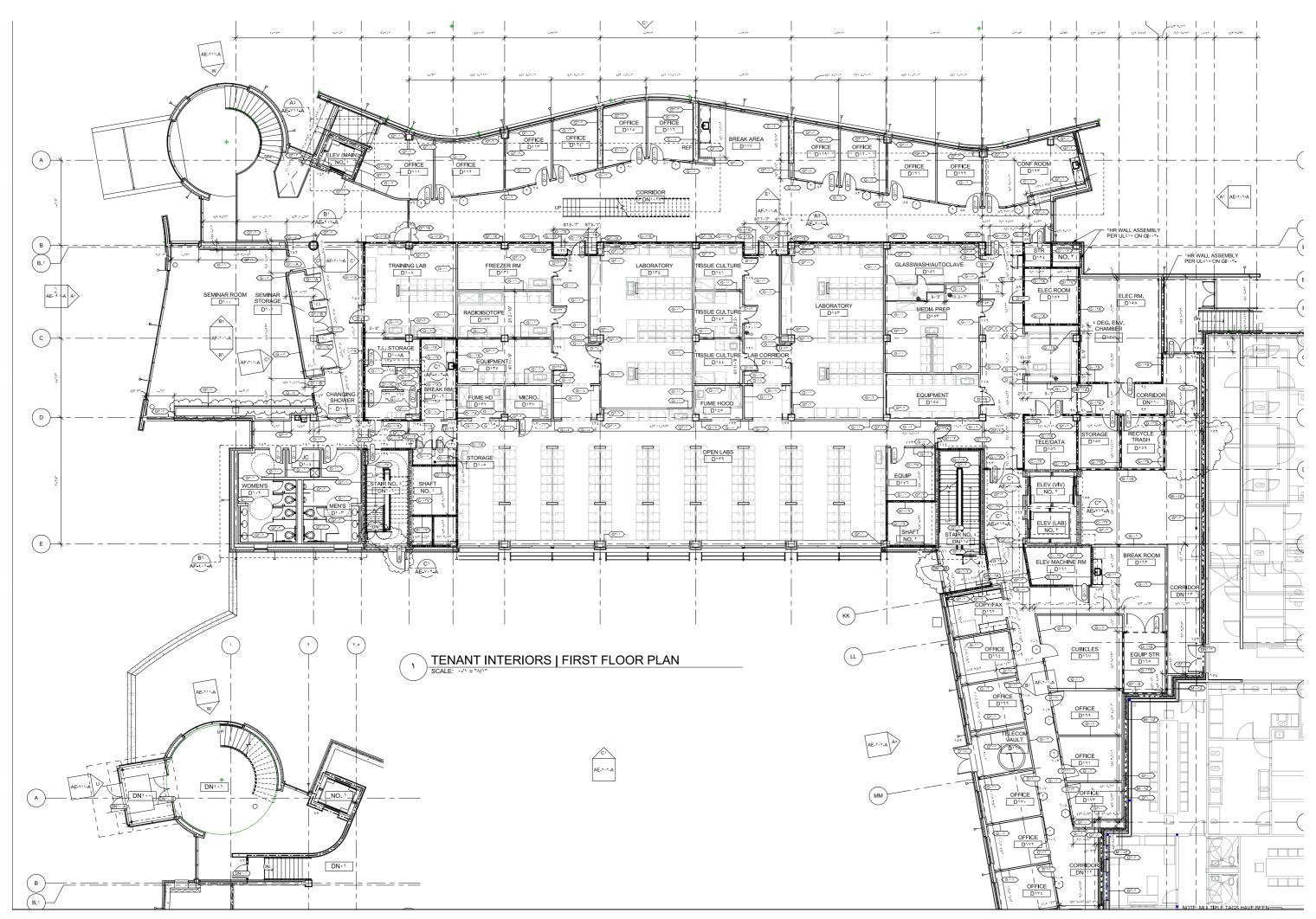
Curtain wall fabrication is the process of manufacturing large, prefabricated wall panels that form the exterior envelope of a building. These panels are typically made of aluminum frames with glass or other materials infilled, and they are designed to be attached to the building's structural frame.

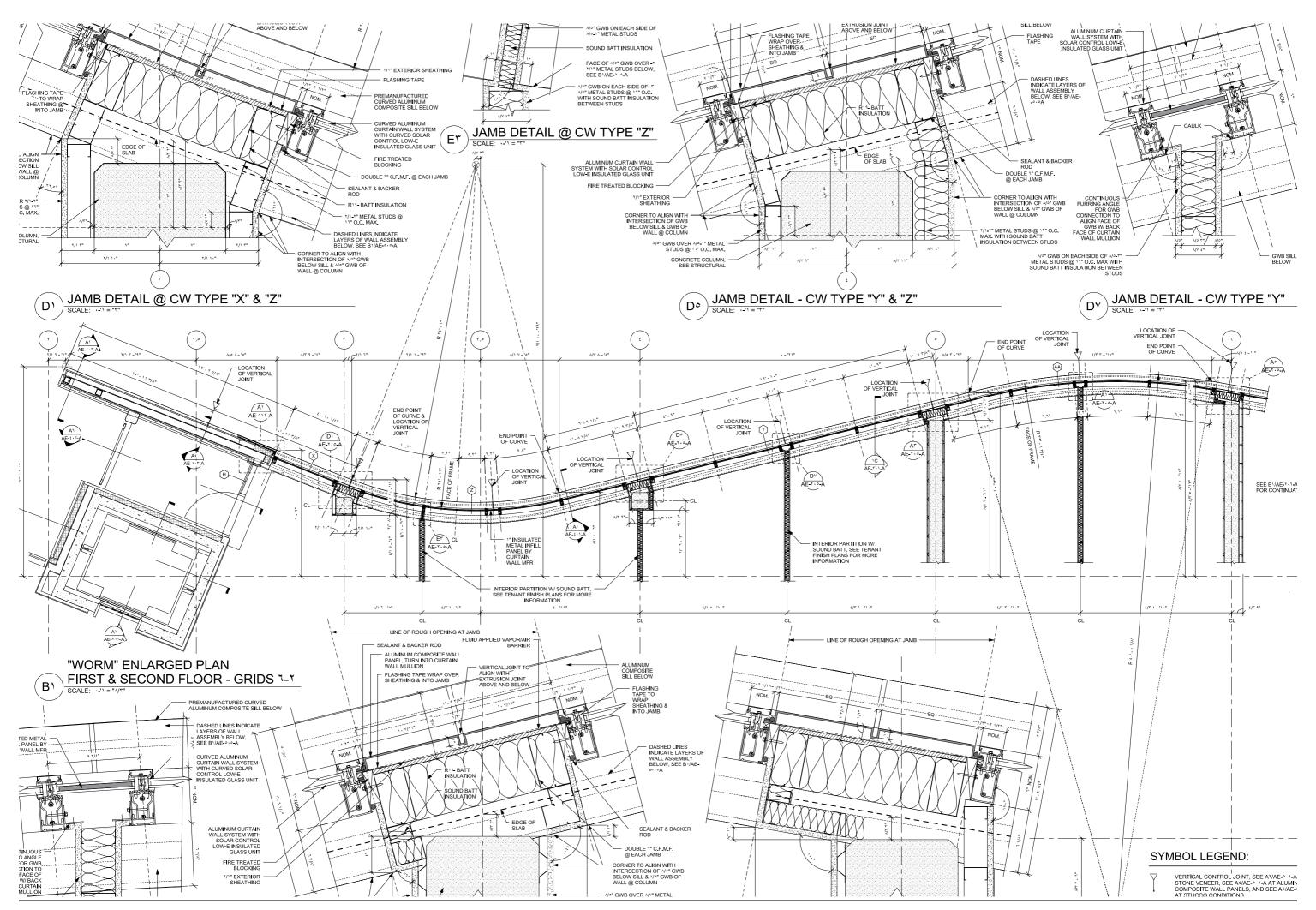


Project Documentations

Project documentation refers to the collection of documents created throughout the project's lifecycle. These documents outline the project's objectives, scope, timeline, budget, risks, and other relevant information. They serve as a reference point for the project team, stakeholders, and future users of the project.







Laser Scan

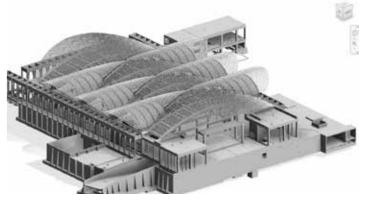
Laser scanning is a technology that uses lasers to capture 3D spatial data in the form of a point cloud. It works by emitting laser pulses and measuring the time it takes for the reflected light to return to the scanner. This information is used to calculate the distance to each point on the surface being scanned, creating a detailed 3D representation.











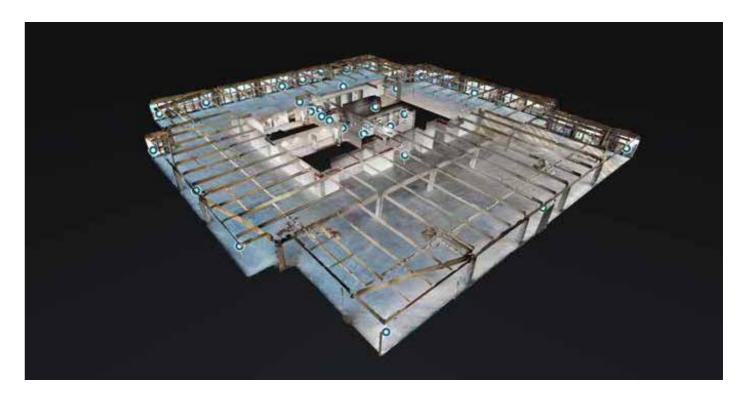
Point Cloud Modelling



However, implementing reality capture can often be seen as challenging. Contractors may perceive it as an additional burden rather than an asset due to the lengthy scan times and large file sizes of traditional survey grade scanners. To overcome this challenge, Matterport provides a quick and userfriendly workflow—including choosing a capture method with the right balance of speed and detail—that is crucial for the scanning team to gather the necessary documentation to share with stakeholders, without disrupting

the job site





AMC is equipped with advanced laser scanning technology capable of capturing high-precision spatial data to meet the requirements of any project, regardless of scale or complexity. Our scanning solutions ensure accurate, reliable, and detailed as-built documentation for seamless integration into BIM workflows.









Our Software

























































AMC Company Profile

Project List

Villa Gavad gouna villa albourouje mall al safwa university mouatn view - icity manshyia square (alex) design photographer studio american residential building 2021

epico 1 le meridian opera project dari project midtown sky midtown condo m.o.i. project akam building al tala gardens maividia project **lusial landscape**

2023

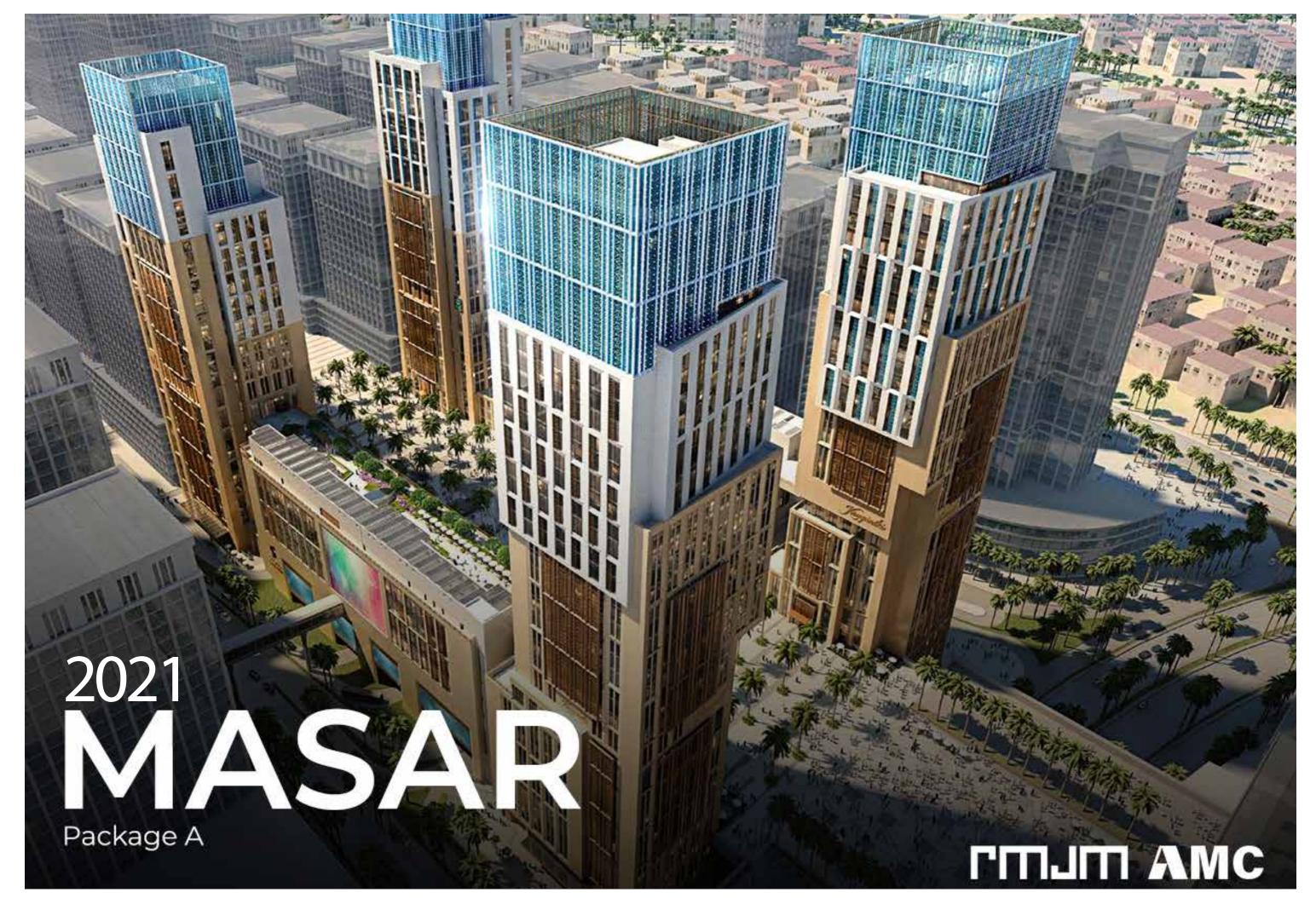
the ark food basket shura island kigdom tower woodland villa jabal al qayn yanbou residential the seven project capial business plaza neom alaka project

2020

madintya twin villa -alvial barcellos restourant al burouje businesskp Mall of arabia Entrance Villa orabi exterior Masarpæakge a new giza phase ii midtown mall 500 500 hotabi

2022

madinty south sector extension 2024 oasisi skyawk bim management saudia residential compound ghabbour auto car show aspire academy building palm hills (the crown) the greek Tower dubai p08 - project



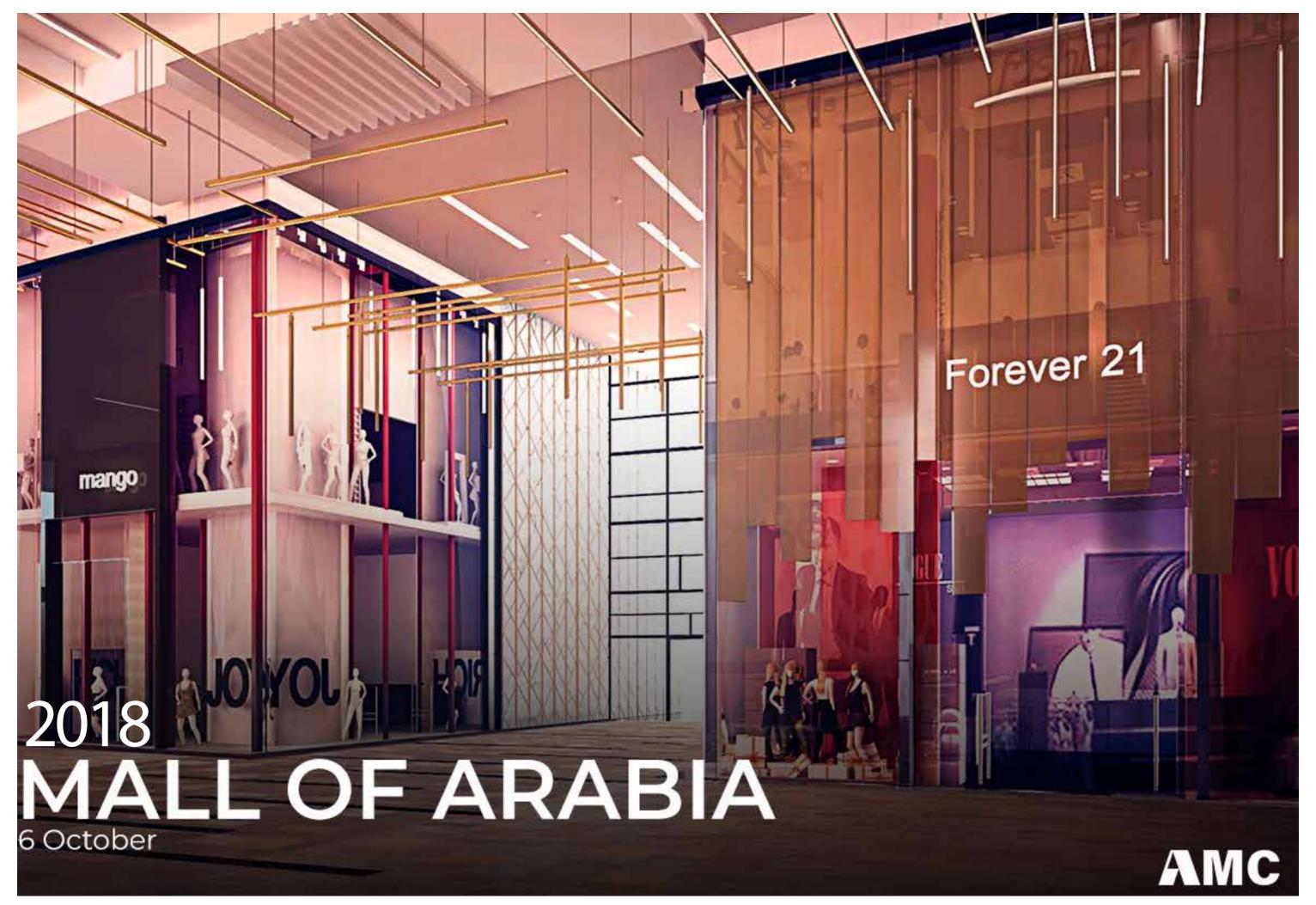




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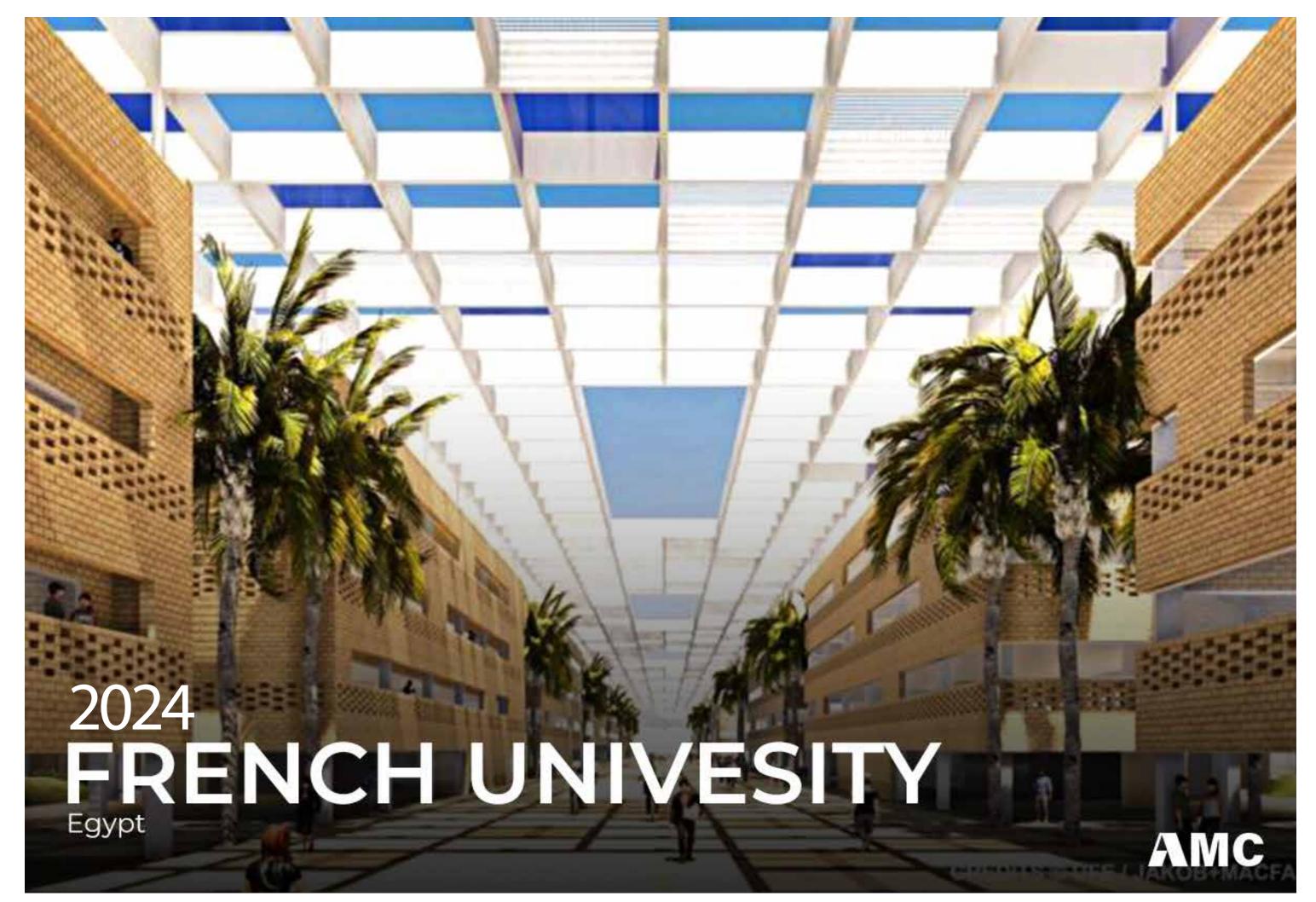




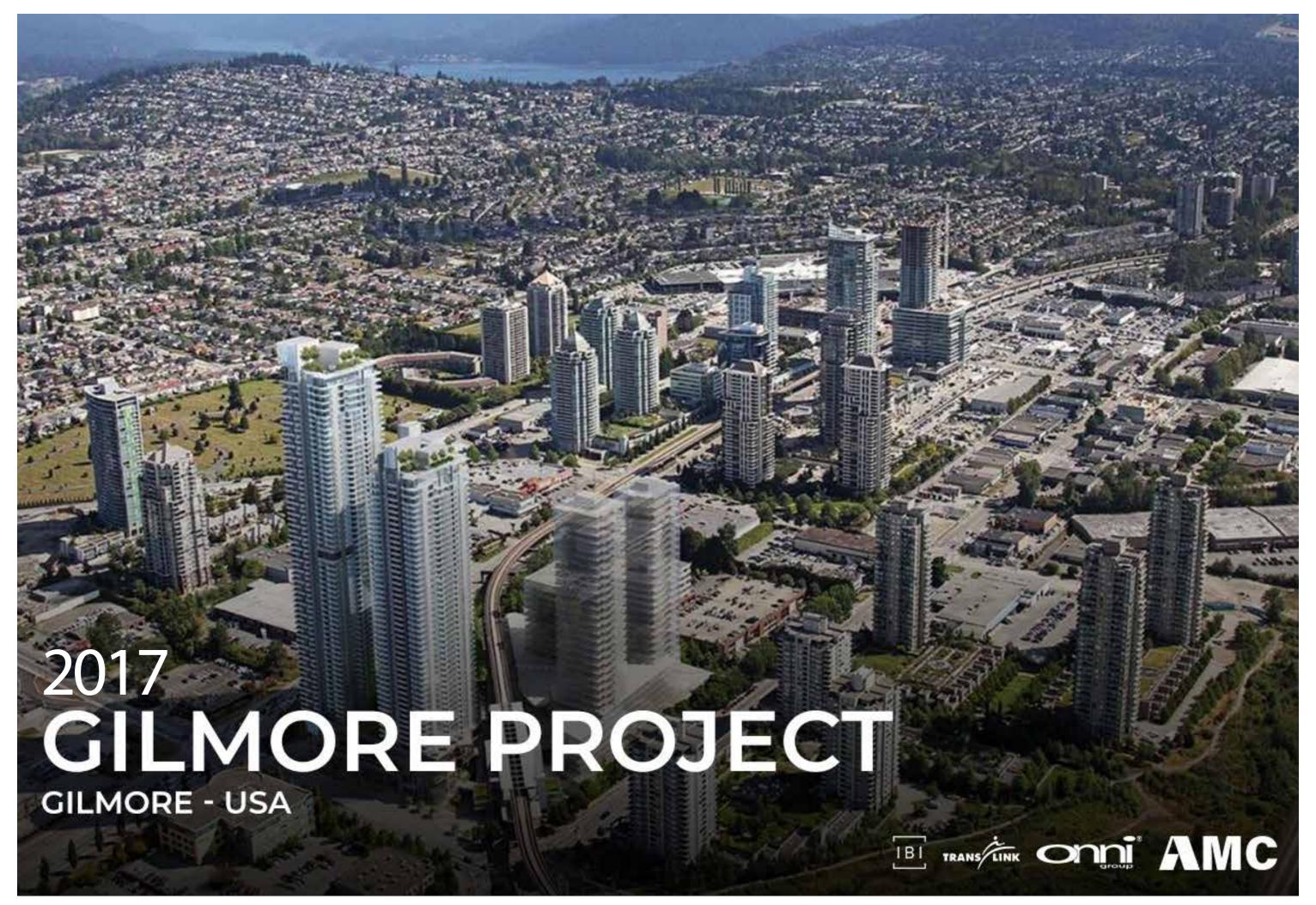
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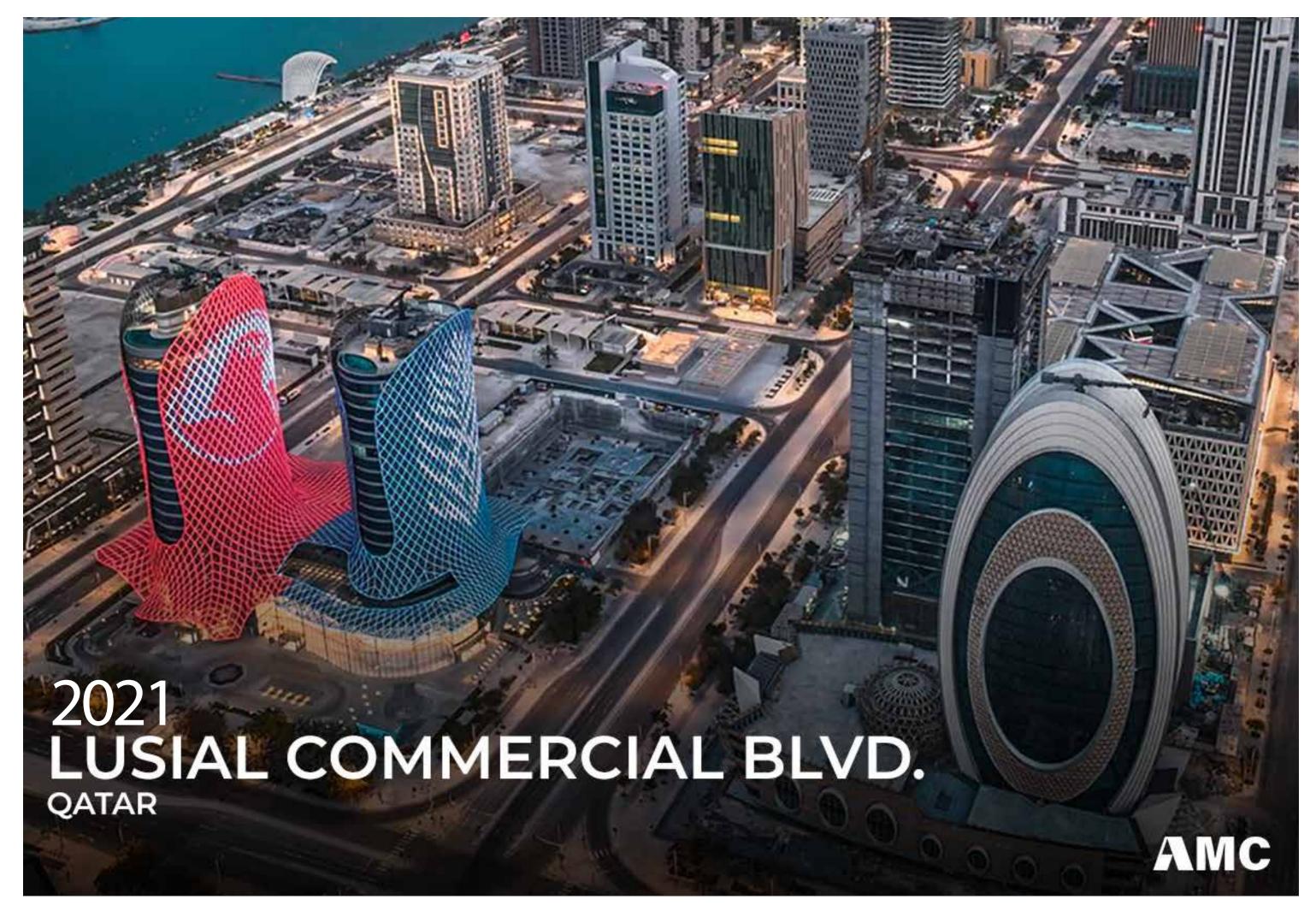




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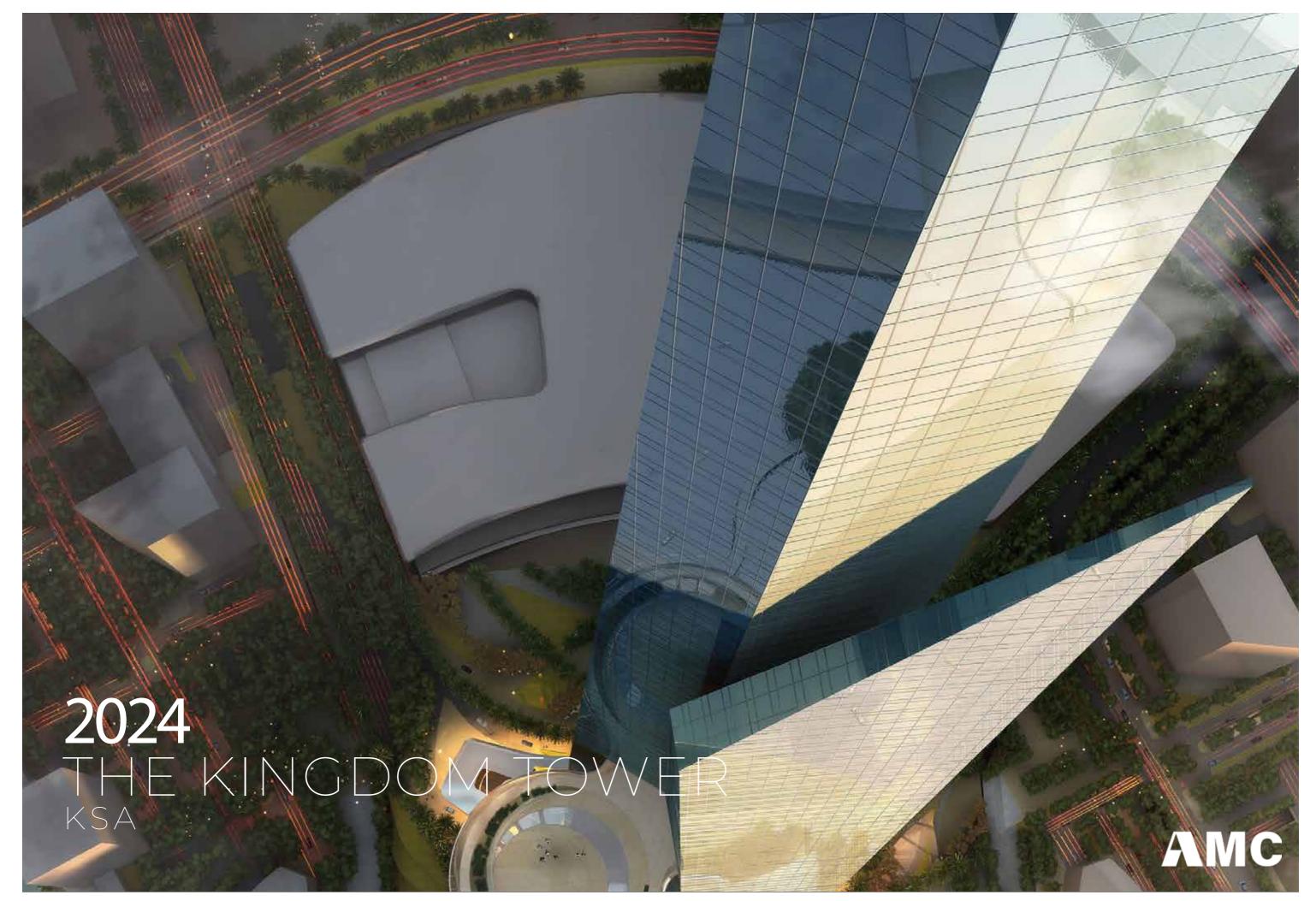
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