

BIM

CONSULTANCY

Precision BIM Solutions for Construction Excellence



Profile

22+	75%	ISO 19650	LOD 100-500
UAE Projects	Avg. Clash Reduction	Standards Aligned	Full Spectrum

Asterwix⁷

Asterwix is a specialized BIM and engineering consultancy headquartered in Dubai, serving the GCC region with a primary focus on Landscape BIM and engineering coordination services. We deliver construction-ready BIM solutions across Landscape, Architecture, Structure, MEP, and Infrastructure disciplines, supporting consultants, contractors, and developers through accurate digital project execution.

Our client-centric approach emphasizes real construction workflows, helping reduce clashes before site execution, improve multidisciplinary coordination, and enhance overall project delivery efficiency. With strong expertise in landscape detailing, grading coordination, hardscape and softscape documentation, and site-level BIM integration, we support projects from design development through construction stages.

We operate in alignment with ISO 19650 information management standards, ensuring structured collaboration, disciplined model control, and efficient information exchange across multi-discipline teams

SERVICES & EXPERTISE

LANDSCAPE BIM MODELING & COORDINATION

End-to-end Landscape BIM solutions designed for site execution:

- LOD 200–400 Landscape Modeling (hardscape, softscape, irrigation)
- Irrigation & Utility Coordination with precision leveling
- Landscape Shop Drawing Production (LOD 300–400)
- BOQ Extraction & Quantity Takeoff Support

ARCHITECTURAL & STRUCTURAL BIM

Comprehensive architecture and structure modeling from concept through detailed phases:

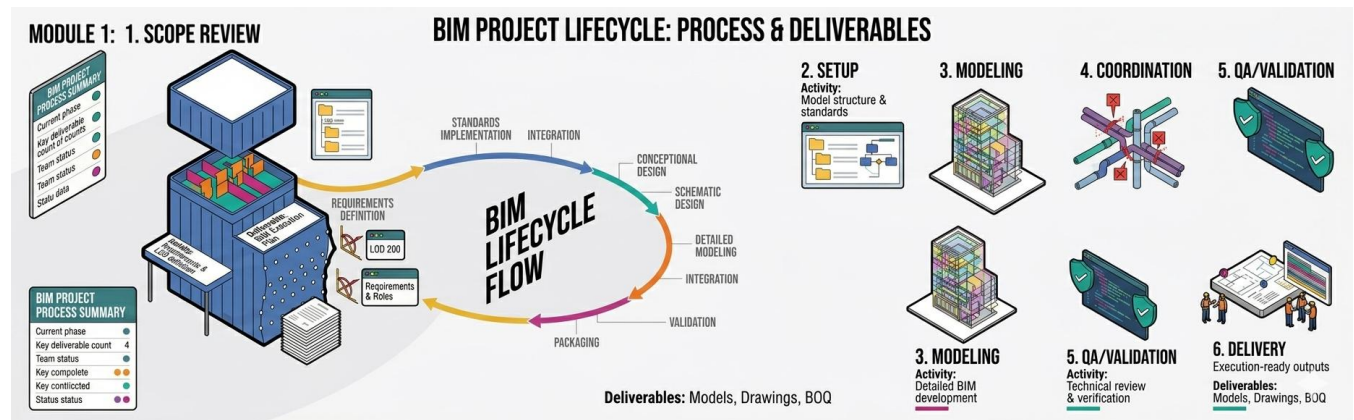
- LOD 200–400 Architectural Modeling
- Structural BIM with multi-discipline integration
- IFC Model Management & Quality Assurance
- Technical Validation & Constructability Review

MEP COORDINATION & SHOP DRAWINGS

Mechanical, electrical, and plumbing coordination with advanced clash detection:

- MEP BIM Modeling (LOD 100–400)
- Navisworks Clash Detection & Resolution
- Multi-Discipline Coordination Workflows
- Detailed MEP Shop Drawings for Construction

OUR DELIVERY PROCESS



Phase	Activity	Deliverables
1. Scope Review	Requirements & LOD definition	BIM Execution Plan
2. Setup	Model structure & standards	Shared coordinates, Worksets
3. Modeling	Detailed BIM development	LOD 200–400 Models
4. Coordination	Multi-discipline clash detection	Clash Reports (BCF)
5. QA/Validation	Technical review & verification	QA Reports, Sign-off
6. Delivery	Execution-ready outputs	Models, Drawings, BOQ

FEATURED PROJECTS



Dubai Hills Estate

Dubai – 2017

Dubai Hills Estate is a premium master-planned community located within Mohammed Bin Rashid City, developed by Emaar. It features luxury villas, modern apartments, an 18-hole championship golf course, landscaped parks, and integrated retail destinations including Dubai Hills Mall.

Strategically positioned between Downtown Dubai and Dubai Marina, it offers a balance of urban connectivity and green living, making it one of Dubai's most sought-after residential and mixed-use developments.

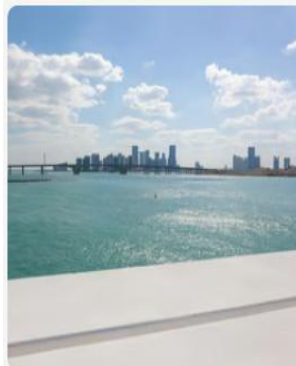
Type - Residential

Year 2015-2017

Saadiyat Island

Dubai – 2023

Saadiyat Island is a premier cultural and residential destination in Abu Dhabi, known for its beachfront developments, luxury resorts, and world-class cultural institutions such as Louvre Abu Dhabi. Spanning diverse districts including cultural, residential, and hospitality zones, the island emphasizes large-scale master planning, integrated landscape design, coastal infrastructure, and sustainable development strategies. With extensive public realm spaces, waterfront promenades, and high-end villa communities, landscape coordination and BIM integration play a critical role in ensuring seamless execution across architecture, infrastructure, and external works.



Type - Residential

Year 2023



Vida Dubai Mal

Dubai – 2022

Vida Dubai Mall is a contemporary lifestyle hotel located in Downtown Dubai, directly connected to The Dubai Mall and within close proximity to Burj Khalifa. Developed by Emaar, it blends modern hospitality design with urban connectivity, offering premium guest rooms, serviced apartments, dining outlets, and integrated retail access.

Strategically positioned in one of Dubai's most vibrant districts, the development emphasizes architectural integration, pedestrian flow planning, and coordinated external works within a high-density urban environment.

Type - Hospitality
Year 2022

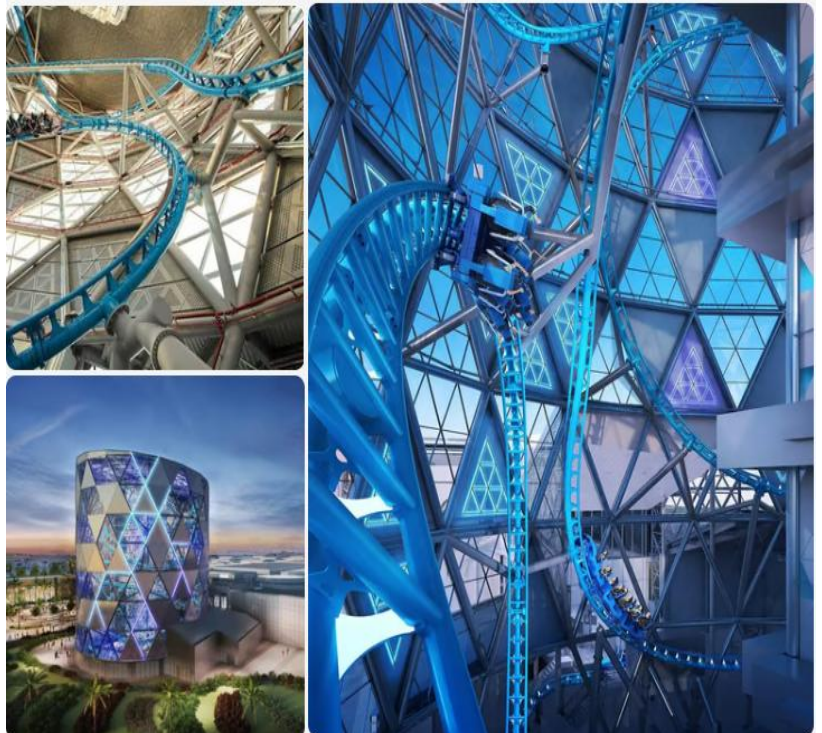
Dubai Hills Mall

Dubai – 2023

The indoor roller coaster at Dubai Hills Mall is known as The Storm Coaster, one of the world's fastest vertical-launch indoor roller coasters. Located inside the mall's central atrium, it integrates high-speed track systems within a multi-level retail environment.

From a technical and coordination perspective, the coaster structure required precise integration with the building's architectural framework, structural systems, MEP services, and safety infrastructure. The project demonstrates complex spatial coordination within a confined indoor commercial environment, making BIM coordination and clash detection critical for successful execution

Type - Commercial
Year 2023



QUALITY STANDARDS & COMPLIANCE

- ISO 19650-1:2018 – Information management for construction projects
- BIM Collaboration Format (BCF) for clash tracking and resolution
- Structured naming conventions and level coordination
- Multi-discipline QA/QC review cycles
- Construction-ready deliverables aligned with UAE project standards

TEAM & CAPABILITIES

TECHNICAL EXPERTISE

- Revit & Revit Server (multi-discipline modeling)
- Navisworks Manage (clash detection, 4D/5D simulation)
- IFC & OpenBIM workflows

RESOURCE STRUCTURE

- Dubai HQ: Client-facing technical leadership and project management
- Dedicated Production Team: Continuous BIM modeling and coordination support
- Specialist engineers in Landscape, Architecture, Structure, and MEP disciplines



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