



INVICTA-TECH

DIGITAL DESIGN & CONSTRUCTION ADVISORY

ENGINEERING EXCELLENCE

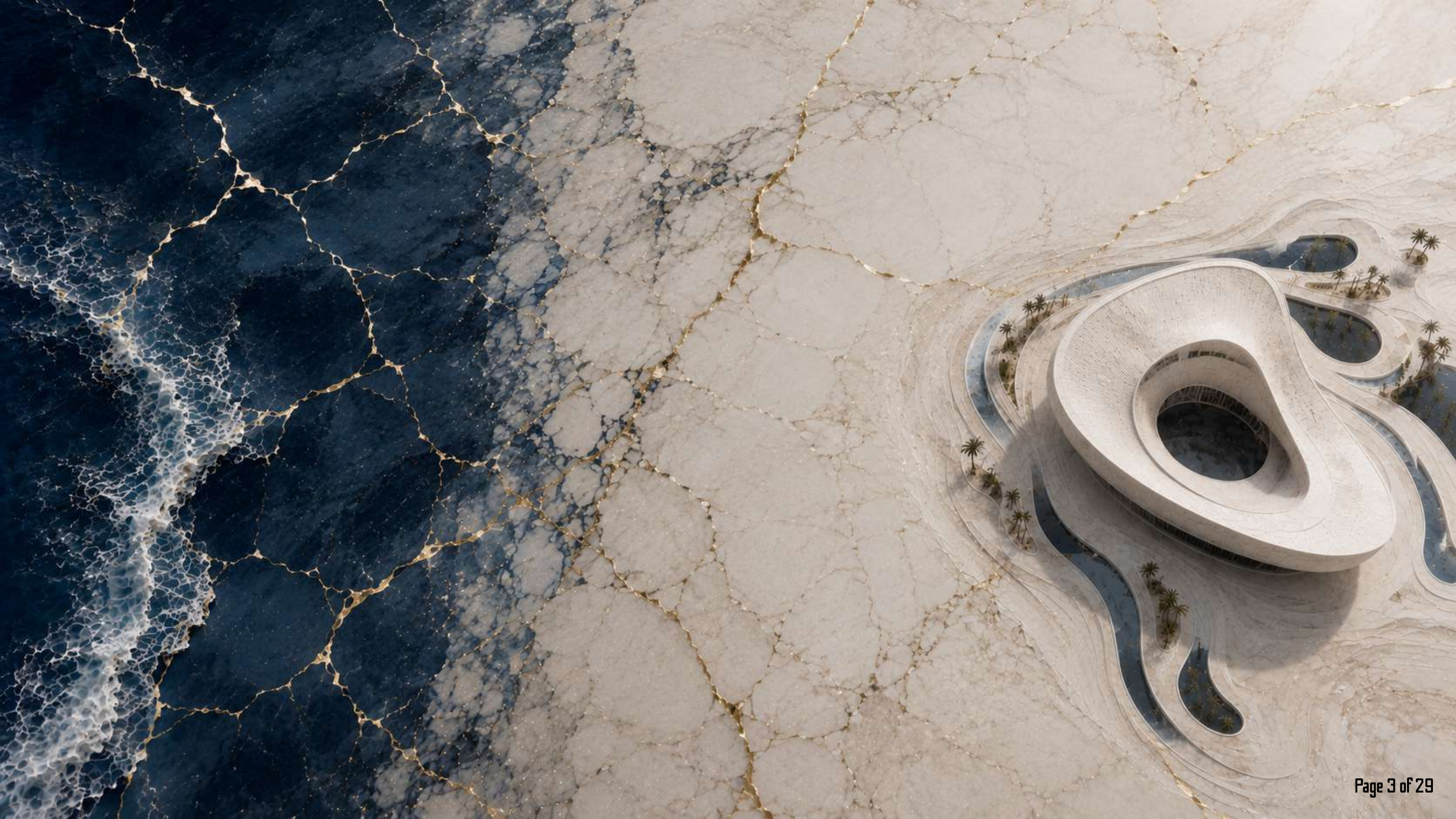
ADVISORY-FIRST. DATA-DRIVEN. DELIVERY-FOCUSED.

DELIVERING CONTROL, PREDICTABILITY &
MEASURABLE OUTCOMES

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About Invicta-Tech

Invicta-Tech is a Digital Design and Construction Advisory firm operating at the intersection of Building Information Modeling (BIM), construction management, and digital transformation.

We begin with strategic objectives, risk profiles, and delivery constraints—the design tailored digital delivery frameworks that align technology with business outcomes.

Advisory-First Positioning

Unlike traditional BIM service providers who focus primarily on modeling and drafting, Invicta-Tech takes an advisory-first approach. We begin every engagement by understanding the strategic objectives, risk profile, and delivery constraints of your project. This enables us to design tailored digital delivery frameworks that align technology implementation with business outcomes.



DESIGN INTELLIGENCE

Translating architectural and engineering intent into actionable digital assets.



DIGITAL COORDINATION

Bringing architecture, structure, and MEP disciplines together into a unified, coordinated model—reducing clashes, improving collaboration, and enabling confident decision-making.



CONSTRUCTION REALITY

Understanding field constraints, sequencing requirements, and buildability factors.



DIGITAL ENABLEMENT

Leveraging technology platforms, data analytics, and automation to enhance project delivery.



OUR PHILOSOPHY

**We don't just
deliver BIM.
We deliver control,
predictability,
and measurable
outcomes.**

Invicta-Tech was founded on a simple principle:
Digital delivery should serve project outcomes, not
software outputs.

Our focus extends beyond model production to the
coordination, governance, and execution
requirements that define successful project
delivery.

DESIGN INTELLIGENCE.

CONSTRUCTION REALITY.

DIGITAL ENABLEMENT.

Modern construction projects face **increasing complexity.**

Modern construction projects involve multiple disciplines, complex interfaces, compressed schedules, and evolving design requirements.

Yet many coordination issues remain undetected until construction, when they are significantly more costly to resolve. The result is rework, schedule disruption, increased project risk, and reduced delivery certainty.

Successful project delivery depends on identifying issues early, coordinating information effectively, and maintaining alignment between design intent and construction reality.

LATE DETECTION.

INCREASED RISK.

COSTLY REWORK.



OUR APPROACH

ADVISORY-FIRST

Invicta-Tech adopts an advisory-first approach, beginning with project objectives, risk profiles, and delivery constraints before defining digital delivery strategies.

DATA-DRIVEN

Our decisions are supported by data, analytics, and measurable performance indicators that improve visibility across project delivery.

CONSTRUCTION-FOCUSED

Grounded in construction reality, our approach aligns digital information with field conditions, sequencing requirements, and execution needs—ensuring technology serves delivery outcomes, not the other way around.

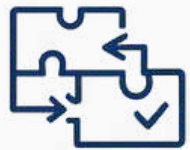
WHAT WE DO

Integrated Digital Delivery Capabilities



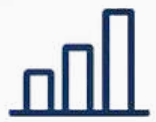
ADVISORY

Strategic BIM implementation and governance.



COORDINATION

Multidisciplinary model coordination, clash detection, and issue management.



DELIVERY

LOD 300–400-500 model development and construction documentation support.



PLANNING

4D /5D sequencing and construction workflow integration.



ANALYTICS

Data-driven reporting and project performance visibility.



OPTIMIZATION

Workflow assessments and digital delivery improvement strategies.

DIGITAL DELIVERY STRESS ENGINEERING™

QUANTIFYING PROJECT COMPLEXITY BEFORE IT BECOMES PROJECT RISK

Digital Delivery Stress Engineering™ is Invicta-Tech's proprietary methodology for evaluating project complexity before it impacts construction outcomes. By measuring coordination intensity, design maturity, interface dependencies, and delivery pressure, we provide actionable intelligence that enables predictable execution and informed decision-making throughout the project lifecycle.

WHAT WE QUANTIFY

INTERFACE COMPLEXITY: Critical interfaces across disciplines.

DESIGN MATURITY: Readiness and completeness of design information.

COORDINATION DENSITY: Concentration of multidisciplinary systems and coordination effort.

SCHEDULE PRESSURE: Alignment of design, sequencing, and construction timelines.





DIGITAL DELIVERY FRAMEWORK

A STRUCTURED APPROACH. PREDICTABLE OUTCOMES.

Our Digital Delivery Framework aligns people, processes, and technology from project inception through handover, creating clarity, consistency, and control at every stage of delivery.

Built on industry best practices and tailored to the unique requirements of each project, the framework establishes clear information standards, defined responsibilities, and coordinated workflows—ensuring accurate, efficient, and predictable project execution.



THE FIVE PILLARS OF OUR DIGITAL DELIVERY FRAMEWORK



EIR

EXCHANGE INFORMATION REQUIREMENTS

Defines the information needed, purpose, level of detail, and delivery milestones.



BEP

BIM EXECUTION PLAN

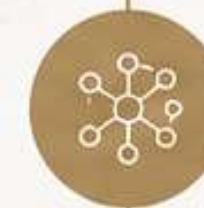
Outlines how BIM will be executed, including standards, workflows, deliverables, and resources.



RACI

RESPONSIBILITY MATRIX

Clarifies roles and responsibilities across the project team to ensure accountability and transparency



MIDP

MASTER INFORMATION DELIVERY PLAN

Integrates information delivery with the project schedule and key milestones.



WORKFLOW

COLLABORATIVE WORKFLOW

Establish coordinated workflows that support predictable project delivery.

FROM DESIGN INTENT TO CONSTRUCTION REALITY

Every successful project begins with intent.
Every successful delivery depends on execution.

Invicta-Tech bridges the gap between digital design and on-site construction by ensuring project information flows seamlessly with accuracy, coordination, and constructability at every stage of project delivery.

From coordinated design development and construction-ready documentation to verified as-built conditions, we deliver reliable project information that empowers confident decision-making, minimizes risk, and drives predictable construction outcomes.



DIGITAL DELIVERY PROGRESSION



LOD 300

COORDINATED DESIGN

Models developed for multidisciplinary coordination with accurate geometry and project information



LOD 400

CONSTRUCTION READY

Models refined to support fabrication, installation, sequencing, and construction execution.



LOD 500

VERIFIED REALITY

As-built information reflecting completed works for operation, maintenance, and future asset management

DESIGN INTENT. REALITY DELIVERED.

From concept to completion, our commitment to detail, materiality, and spatial experience remains unwavering.

SCENE 1
EXECUTIVE LOUNGE



SCENE 2
AIRPORT LOUNGE
BAR & SOCIAL HUB



SCENE 3
AIRPORT EXECUTIVE LOUNGE



INTEGRATED MODELING ACROSS ALL DISCIPLINES.

Invicta-Tech delivers fully coordinated models across all building disciplines, ensuring that the federated model represents a complete, constructible digital twin of the project.



ARCHITECTURE & FIT-OUT

- Walls, floors, ceilings, and roofs
- Finishes and interior elements
- Doors, windows, and joinery
- Specialty architectural features



STRUCTURE

- Concrete elements and reinforcement
- Steel framing and connections
- Foundations and substructure
- Structural framing systems



MEP SYSTEMS

Mechanical:

HVAC ducts, equipment, chilled water systems.

Electrical:

Cable trays, lighting, power distribution

Plumbing:

Drainage, water supply, sanitary fixtures

Fire Fighting:

Wet and dry risers, sprinkler systems, hydrant networks, fire pumps



SPECIALIST SYSTEMS

- Baggage Handling Systems (BHS)
- Kitchen and food service equipment
- Landscape and irrigation systems
- Fire protection and life safety



*Full-discipline coordination is our standard.
We don't deliver partial solutions.*



SHOP DRAWINGS PRODUCTION.

Construction-Ready Documentation

We produce fully coordinated shop drawings directly from BIM models, ensuring alignment between digital design and physical construction. Our drawing production process integrates model validation, coordination checking, and quality assurance.



GENERAL ARRANGEMENT DRAWINGS



DETAILED SECTION DRAWINGS



INSTALLATION LAYOUT DRAWINGS



FABRICATION DRAWINGS



COORDINATION DRAWINGS



MODEL VALIDATION

Rigorous checks for accuracy, standards, and completeness.



COORDINATION CHECKING

Clash detection and discipline coordination to prevent on-site issues.



DRAWING PRODUCTION

Generation of coordinated, precise shop drawings directly from BIM.



QUALITY ASSURANCE

Multi-level review for dimensional accuracy, constructability, and compliance.



DELIVERY & ISSUE

Structured delivery for construction and fabrication workflows.

WHAT WE DO

CONSTRUCTION DOCUMENTATION

FROM MODEL TO CONSTRUCTION

Digital models are translated into coordinated construction documentation that supports site execution, fabrication, and installation.

ENABLING ACCURACY.

DELIVERING CLARITY.



Our documentation process ensures consistency, constructability, and compliance across every discipline and at every stage.



COORDINATED
DOCUMENTATION



CONSTRUCTION
FOCUSED



FABRICATION
READY



COMPLIANT
& RELIABLE

SIGNATURE PROJECT ENVIRONMENTS

SECTOR EXPERTISE

We bring deep domain knowledge and technical precision to a wide range of project environments, delivering coordinated, constructible and high-performance solutions.



AIRPORTS

Complex terminals, MEP systems, and baggage handling integration.



HOSPITALITY

Luxury hotels and resorts with high-end architectural detailing.



GIGA PROJECTS

Large-scale mixed-use and masterplanned developments.



LANDSCAPE

Public realm, hardscape, irrigation, and landscape coordination.



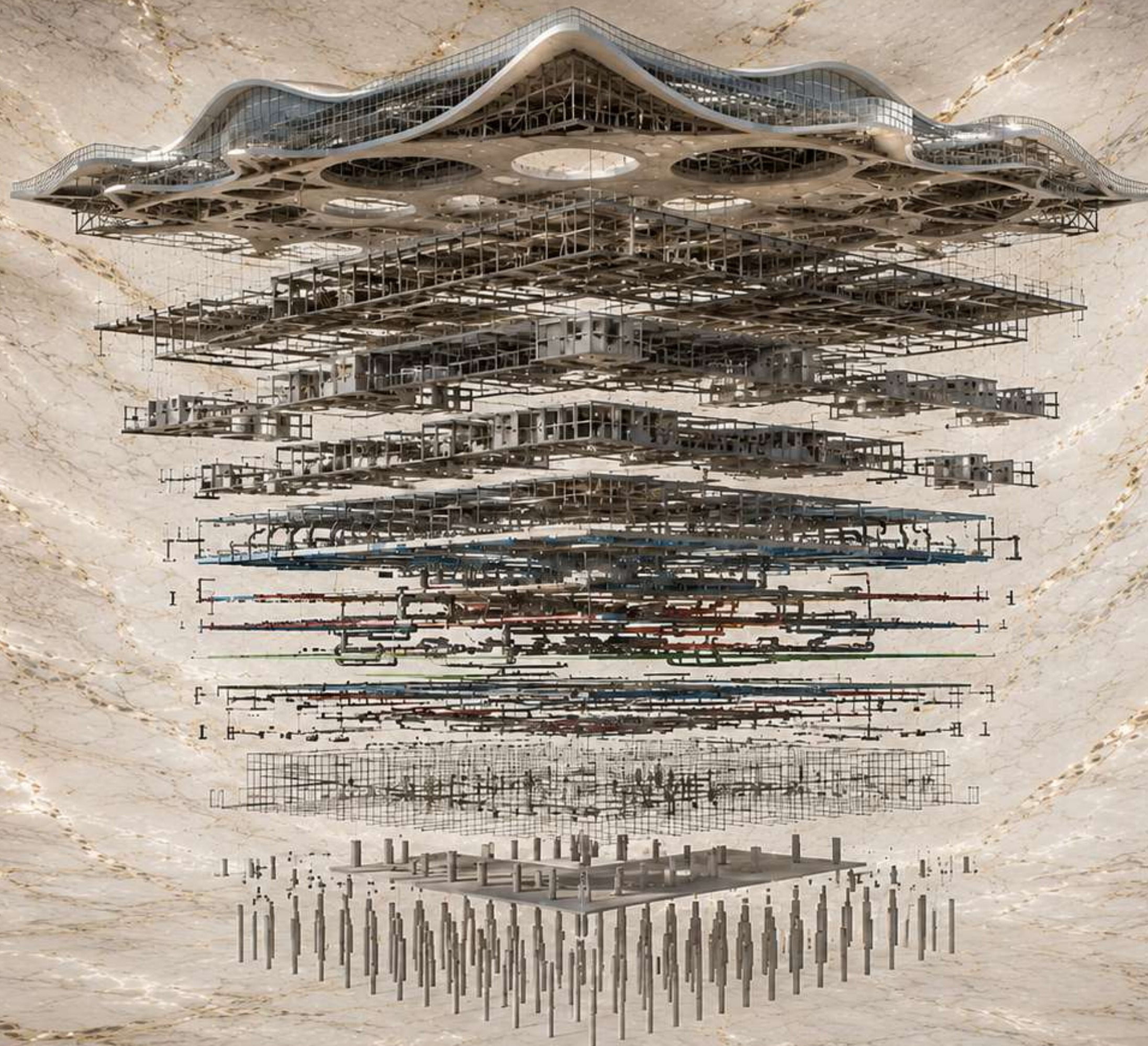
INDUSTRIAL

Manufacturing and process facilities requiring specialized engineering.



SELECTED WORKS

A curated collection of projects that reflect
our commitment to design intelligence,
technical excellence, and construction reality.



RSIA

SCALE & DELIVERY

Red Sea International Airport is a visionary gateway designed to redefine the travel experience. Invicta-Tech delivered comprehensive BIM services across this landmark development, ensuring precision coordination, constructability, and adherence to the highest international standards.



5 STANDARD AVIATION PODS



5 GENERAL AVIATION PODS



WELCOME CENTER



INTERNATIONAL AIRPORT TERMINAL



HIGH-END ARCHITECTURAL FINISHES

LOCATION
Red Sea Coast,
Saudi Arabia

SECTOR
Aviation

PROJECT VALUE
USD 1.3 Billion

HIGH-END
ARCHITECTURE



GRAND ARRIVAL LOBBY

Spacious, light-filled arrival experience with premium finishes and biophilic design.



DEPARTURE HALL

Efficient flows, clear sightlines, and seamless passenger movement.



PREMIUM LOUNGE

Crafted for comfort and privacy with refined materials and timeless design.



EXTERIOR DETAIL

Iconic structural expression that reflects the region's natural elegance

GIGA DESTINATIONS

VISIONARY DEVELOPMENTS.
ICONIC LANDMARKS.

From ultra-luxury coastal destinations to cultural landmarks and entertainment mega-developments, Invicta-Tech has supported some of the region's most ambitious projects through coordinated BIM delivery, multidisciplinary collaboration, and construction-focused digital execution.



ACROSS SAUDI ARABIA



GIGA DEVELOPMENTS



BIM • DIGITAL COORDINATION • CONSTRUCTION DOCUMENTATION



DESIGN TO CONSTRUCTION



AMAALA ROSEWOOD

ULTRA-LUXURY
HOSPITALITY

Rosewood AMAALA forms part of the ultra-luxury Amaala destination under Red Sea Global, designed to deliver world-class hospitality within a sustainability-led costal masterplan.

LUXURY HOTEL KEYS	BRANDED RESIDENCES	SPA & WELLNESS	COMPLEX FACADE & INTERIOR DETAILING	SUSTAINABILITY DRIVEN
Ultra-high-end hospitality standard	& resort facilities	& complex	High-end FF&E integration	Development (RSG ESG framework)

25°01' N 37°49' E SAUDI ARABIA	SECTOR HOSPITALITY	CLIENT RED SEA GLOBAL
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CHAPTER II
SELECTED WORKS

CLASSIC AMERICANA

RESIDENTIAL EXCELLENCE.

PREMIUM LIVING.
PRECISION DELIVERED.

Invicta-Tech delivers end-to-end BIM coordination and documentation for residential developments across the United States. Our integrated approach ensures constructability, compliance and coordination across all disciplines. Thereby, creating exceptional living environments with operational efficiency.

8787 GEORGIA AVE



CARILLON - THE VIEW



44 OLIVE STREET



PULTE HOMES



EDGE OF HUDSON



LEARNING + HEALING

SPACES THAT INSPIRE.
ENVIRONMENTS THAT CARE.

Invicta-Tech delivers integrated BIM solutions for educational and healthcare developments where precision, coordination, and long-term performance are essential. From university campuses to advanced medical facilities, we ensure every discipline works in harmony—transforming complex design intent into constructible, efficient, and future-ready environments.

Our multidisciplinary approach minimizes clashes, improves coordination, and supports seamless execution throughout the project lifecycle, enabling facilities that enhance learning, healing, and human experience and optimizing the utility of desired space through seamless designs that translate into reality.



JABER AL AHMED HOSPITAL
STATE-OF-THE-ART HEALTHCARE



COLLEGE OF ARCHITECTURE
COLLABORATIVE ACADEMIC ENVIRONMENTS.



COLLEGE OF COMPUTER SCIENCE
FUTURE-READY FACILITIES SUPPORTING INNOVATION



BEYOND THE BLUEPRINT

DESIGNING ENVIRONMENTS THAT INSPIRE, EDUCATE & HEAL.

From advanced healthcare facilities to future-ready academic institutions, Invicta-Tech transforms ambitious design into coordinated, construction-ready reality. Through intelligent BIM workflows, multidisciplinary coordination, and construction-focused digital delivery, we ensure every space is delivered with precision, performance, and purpose.

Our approach bridges design intent with execution—creating environments where innovation thrives, education flourishes, and healthcare reaches new standards of excellence.

DESIGN INTENT



WE TRANSLATE DESIGN INTENT INTO COORDINATED, CONSTRUCTION-READY INFORMATION THROUGH INTELLIGENT BIM AND DISCIPLINED DIGITAL DELIVERY.

BUILT FOR PEOPLE



EVERY COORDINATED MODEL SERVES A GREATER PURPOSE—CREATING ENVIRONMENTS WHERE PEOPLE LEARN, HEAL, AND THRIVE. OUR DIGITAL DELIVERY TRANSFORMS DESIGN INTO SPACES BUILT FOR LASTING IMPACT.

CONSTRUCTION REALITY



INTEGRATED COORDINATION MINIMIZES RISK, RESOLVES COMPLEXITY, AND DELIVERS RELIABLE, CONSTRUCTION-READY DOCUMENTATION.

01

JABER AL
AHMED
HOSPITAL

KUWAIT



02

COLLEGE OF
ARCHITECTURE
KUWAIT



03

COLLEGE OF
COMPUTER SCIENCE
KUWAIT



COMMERCIAL & INFRASTRUCTURE

LANDMARK PROJECTS. LASTING IMPACT.

Invicta-Tech delivers integrated BIM solutions that empower commercial and infrastructure projects of every scale—driving efficiency, precision, and performance from concept to completion.

01 BURJ AL SHAYA

Precision-driven structural modeling for a critical financial institution.

02 NATIONAL BANK OF KUWAIT

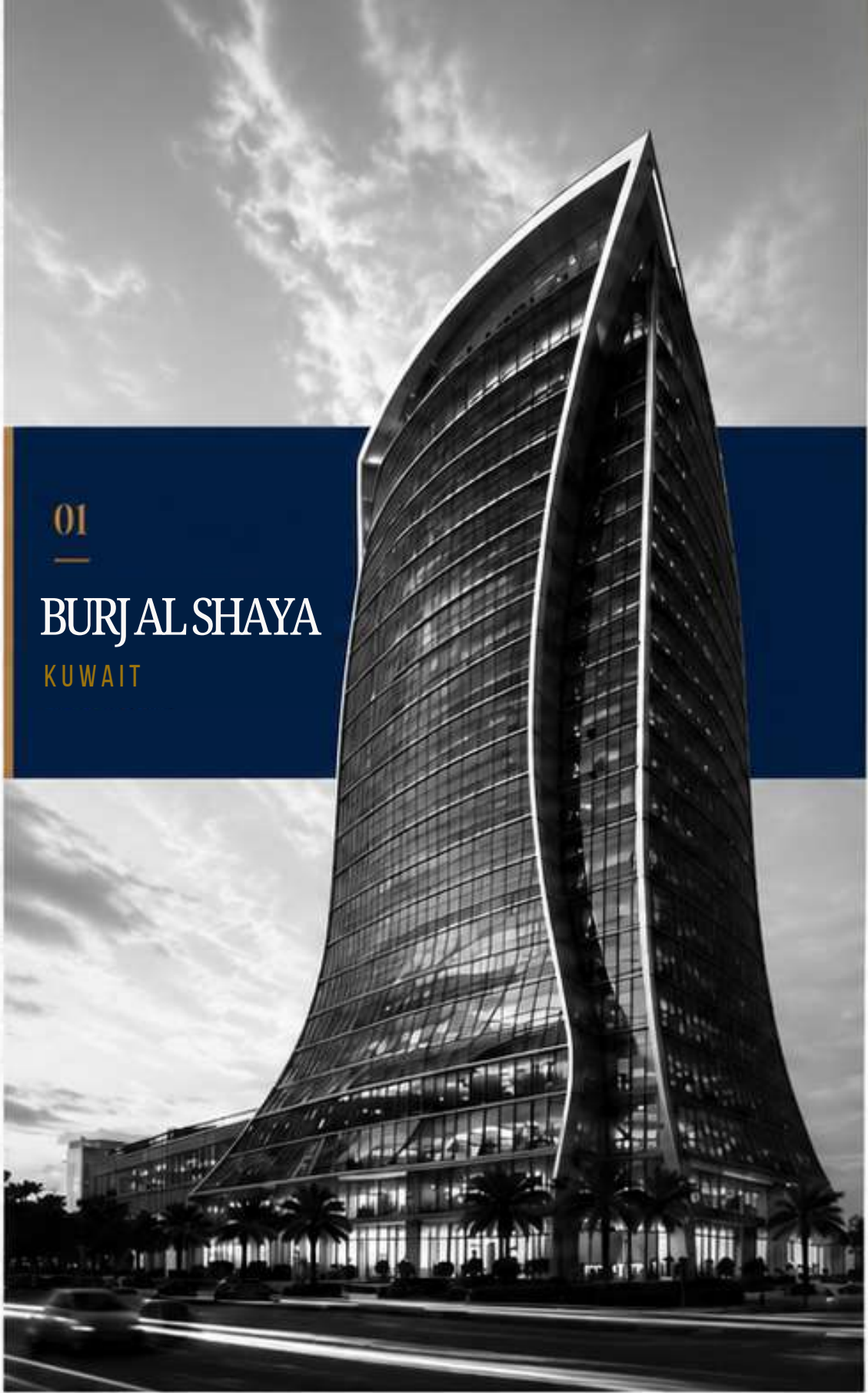
Landmark mixed-use tower featuring iconic design and complex structural systems.

03 KHARAFI RESIDENTIAL TOWER

High-rise residential structure delivered with accuracy and constructability in focus.

04 CLEAN FUEL PROJECT

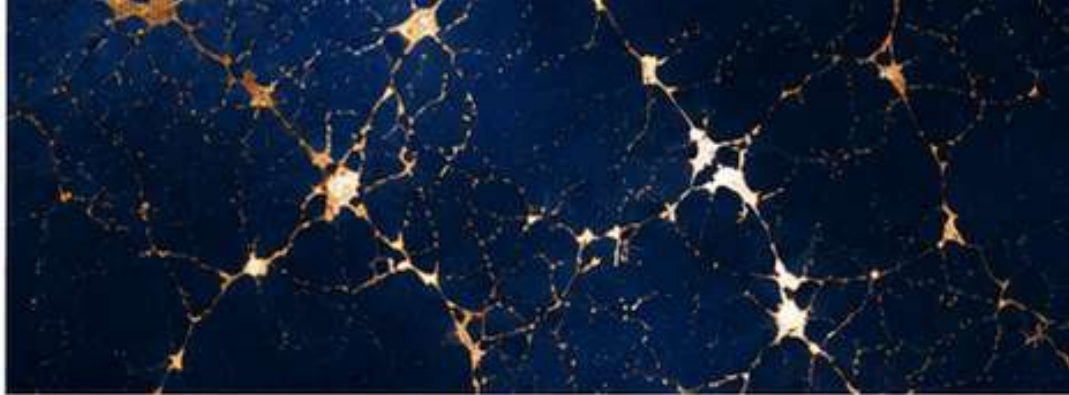
Structural BIM for energy infrastructure built for safety, sustainability, and scale.



01

BURJ AL SHAYA

KUWAIT



02

NATIONAL BANK
OF KUWAIT

KUWAIT



03

KHARAFI RESIDENTIAL TOWER
KUWAIT



04

CLEAN FUEL PROJECT
KUWAIT



EXECUTION AT EVERY SCALE.

COORDINATED. PRECISE. CONSTRUCTED.

INVICTA-TECH LLP

DIGITAL DESIGN & CONSTRUCTION ADVISORY

DELIVERING CONTROL,
PREDICTABILITY &
MEASURABLE OUTCOMES.

ADVISORY-FIRST. DATA-DRIVEN. DELIVERY-FOCUSED.



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