

DIGITAL CERTAINTY FOR PHYSICAL PRECISION

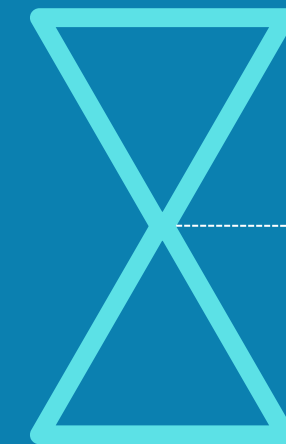
www.compusoftme.com
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BIM Division



CompuSOFT[®]
IT & Engineering Solution Provider

Founded in 1990
A 100% Saudi Own Company



“THE MODEL IS THE
CONTRACT—EVERYTHING
ELSE IS COMMENTARY.”

–Fuad Al Maskeen
VP & Managing Director
CompuSOFT



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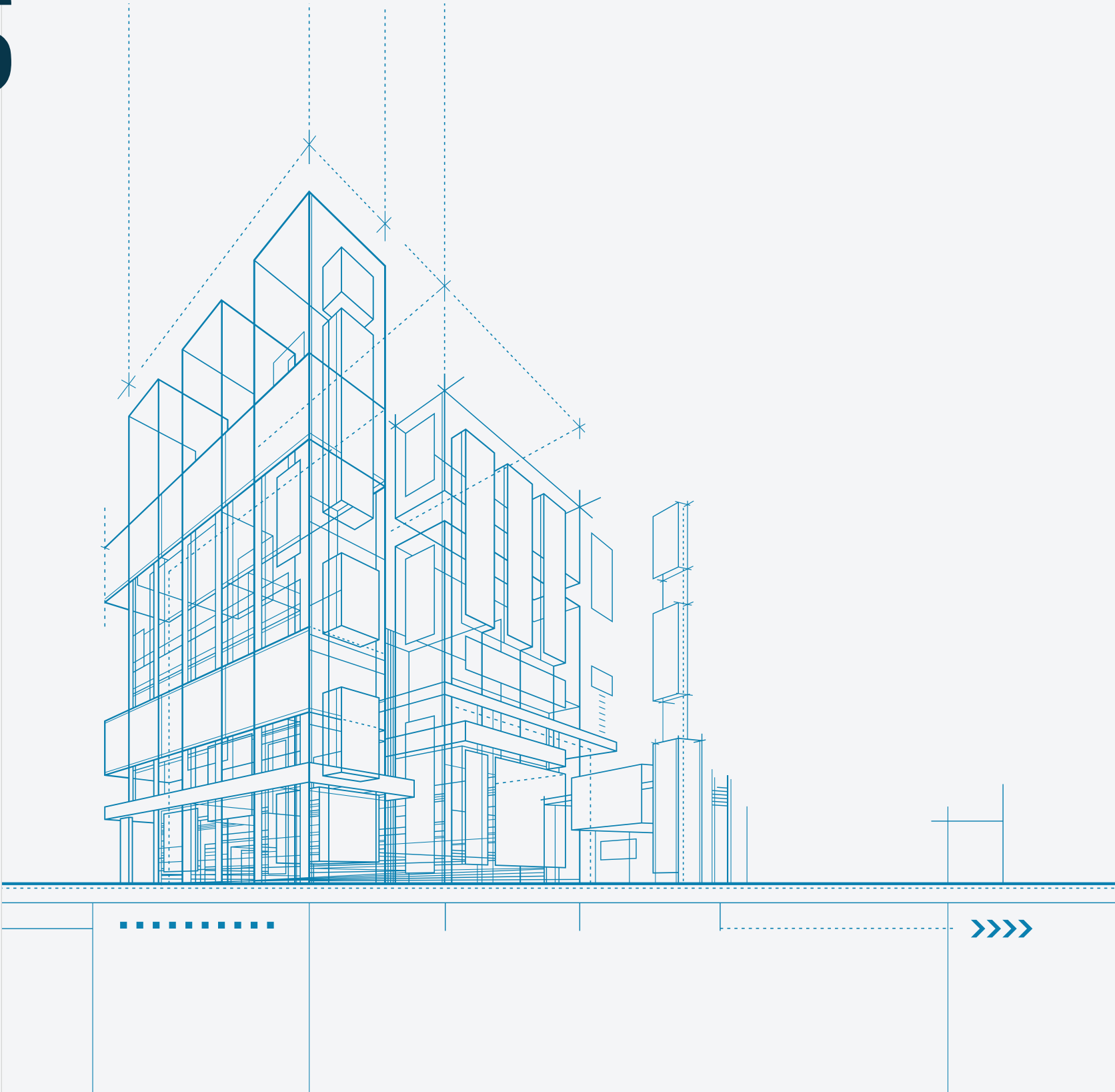
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OUR MAIN SECTORS



Engineering
Software/Hardware
Provider




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BIM Implementation
& Services Provider



[Click to view profile](#)

Engineering Software
Training Provider



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EXECUTIVE SUMMARY



Welcome to CompuSOFT BIM Profile

For **three** and a **half** decades **CompuSOFT** has designed, detailed, and delivered the Kingdom's Construction and infrastructure assets. Today its **BIM** Division turns that heritage into actionable data, supplying **EPCs, owners, consultants, contractors** and authorities with federated **3D/4D/5D models**, ISO-certified information workflows, and immersive decision environments that compress schedules and de-risk budgets.

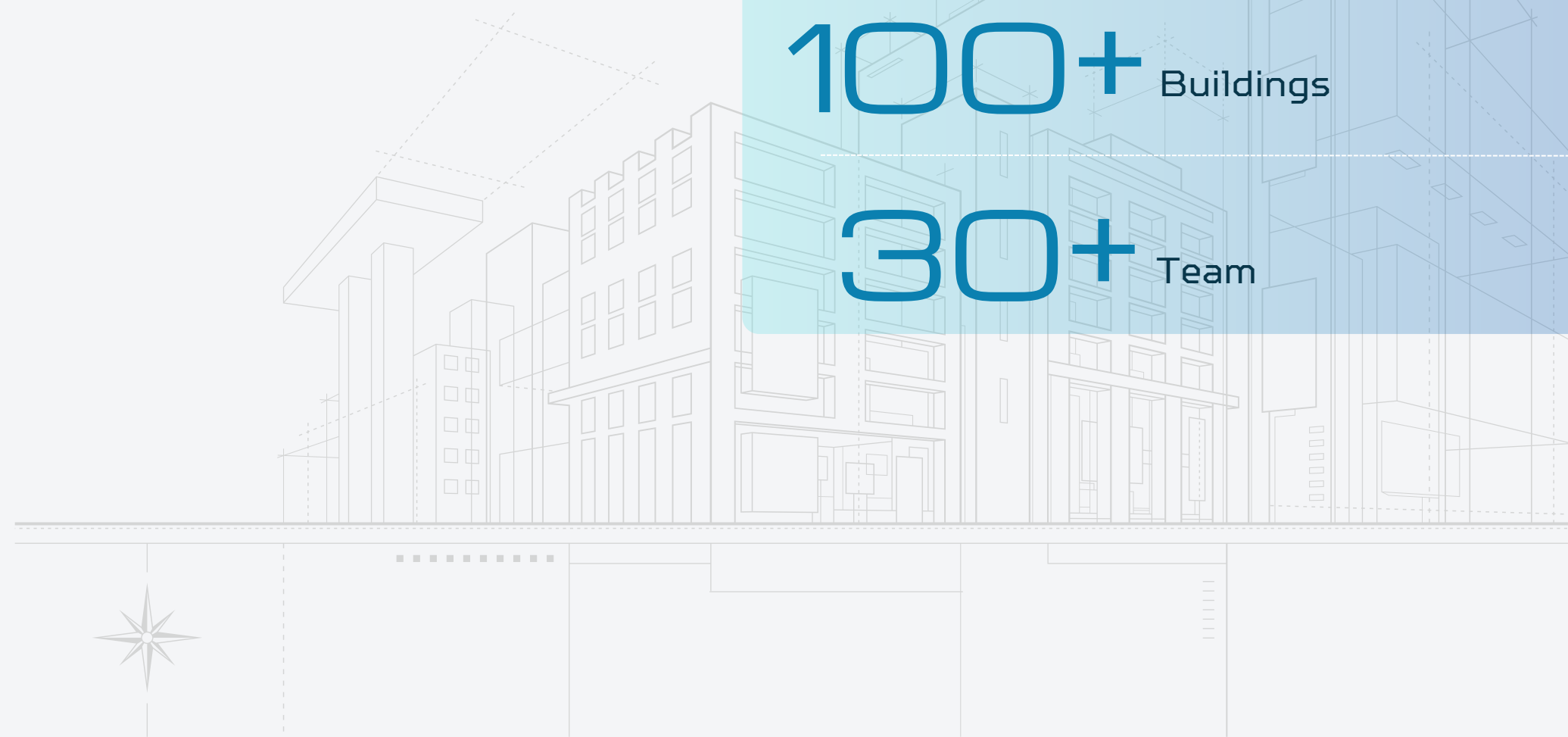
30+ Years of experience

50+ Projects

30+ Clients

100+ Buildings

30+ Team



KEY DELIVERABLES



Honoring Our Commitment to Outstanding Design

Multi-disciplinary Models

Covering Architecture, Structure, Civil & Infrastructure, MEP, Industrial Systems, Landscape, GIS-linked external works — all to LOD 100-500.

Clash-free coordination

Rule-based **Navisworks/ACC** workflows yielding $\leq 3\%$ residual hard clashes daily dashboards drive closure before construction mobilises.

Custom Content Libraries

Creation of **parametric Revit & Civil 3D families, steel connections, plant equipment objects, and manufacturer-specific MEP components**, each mapped to project metadata schemas.

Sheet Production & Drafting

Automated title-block population, discipline-specific sheet sets (plans, sections, ISOs), redline absorption, and final IFC/IFC-DWG packages — generated at the push of a script.

4-D / 5-D Simulation

SYNCHRO sequences tied to P6 WBS and cost codes, delivering look-ahead logistics, earned-value curves, and “what-if” scenario testing.

Point-Cloud to BIM

Laser-scan capture, cloud-native meshing, and deviation analysis, producing as-found **LOD 300/400** models in days, not weeks.

Immersive VR / Web-XR

Unreal-engine walk-throughs and browser-based **360°** panoramas that accelerate board approval cycles from weeks to hours.

Civil & Infrastructure Modelling

Road corridors, grading, utilities, sub-surface clash grids, machine-control exports.

KEY DELIVERABLES



Digital-Twin Readiness

LOD 500 as-built models with asset tags, warranty data, and COBie output, ready for CMMS integration on day one.

GIS & Spatial Data Services

BIM↔GIS integration, geodatabase creation, spatial analytics dashboards, FM hand-off.

Enterprise BIM Implementation & Change Management

Organisation-wide BIM maturity assessment, standards-manual authoring, pilot-project coaching, and KPI dashboards that embed digital delivery into client culture.

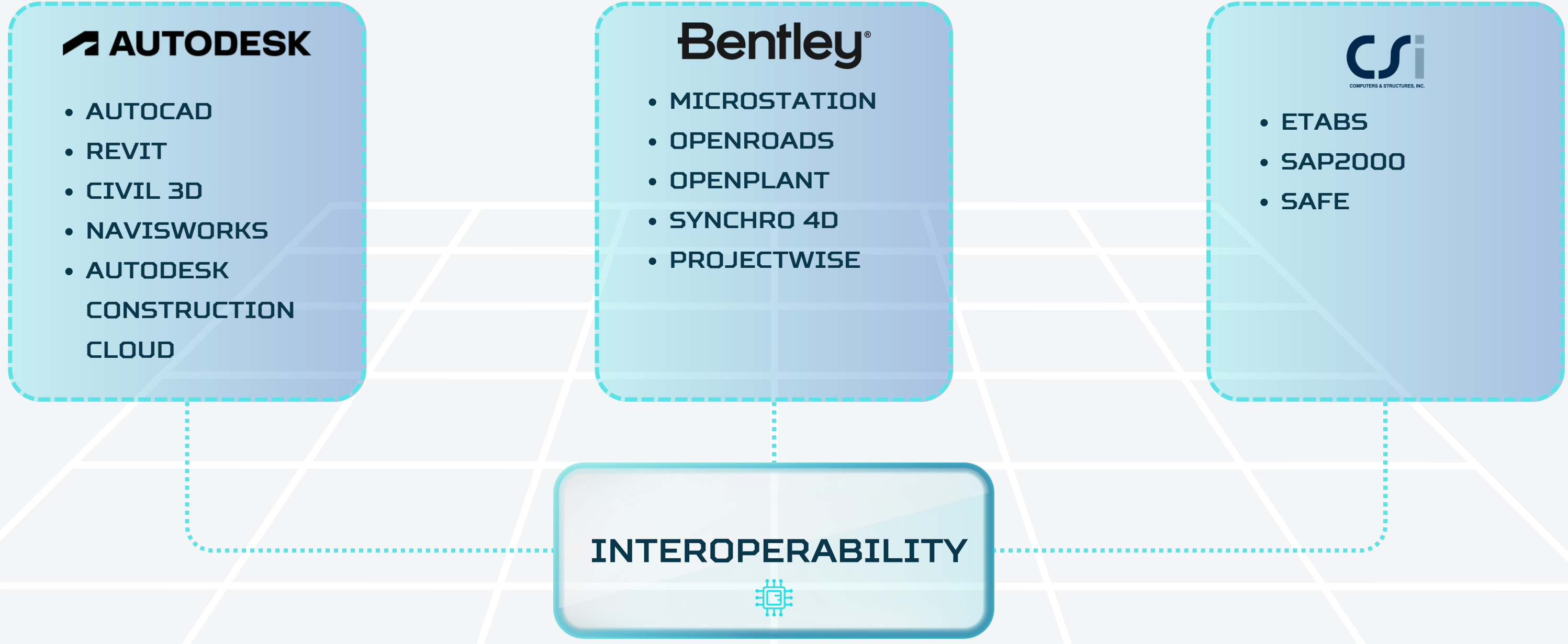
Training & Enablement

Autodesk ACC, Revit, Civil 3D, Bentley SYNCHRO bootcamps; instructor-led & e-learning; post-handover mentoring ensures client self-sufficiency.

87% fewer RFIs post-LOD 300 on recent Projects.

40% drop in fabrication RFIs thanks to LOD 400 detailing and connection libraries.

TECHNOLOGY ECOSYSTEM



OUR BIM APPROACH

Transforming Information into Certainty

A Standard-Driven, Collaborative, Predictive Workflow

At CompuSOFT, BIM is more than modelling. It is an information management discipline that connects people, processes, and technology. From the first **BIM Execution Plan** to the final **digital-twin** hand-over, every step is engineered for clarity, compliance, and measurable value.

Our BIM approach is not just about producing 3D geometry but delivering data rich assets that shorten schedules, cut risk, and power smarter decisions throughout the asset's lifecycle.



1. Information-Centric Planning:

Early BEP workshops align all parties on LOD targets, naming standards, and data-drop calendars.

2. Model-First Coordination:

Multi-disciplinary models are federated weekly, automated clash rules drive issues to closure before they reach site.

3. Standards & Compliance:

ISO 19650, ARAMCO BIM Manual, and NEOM Digital-Delivery specifications are embedded in every template, parameter, and QA gate.

4. Continuous Insight & Immersion:

4D/5D dashboards, VR walkthroughs, and real-time analytics turn complex models into instant, actionable insight.

5. Handover-Ready Digital Twins:

LOD 500 as-built models with COBie, warranty, and sensor placeholders ensure facilities teams start with complete, trustworthy data.

OUR BIM PRINCIPLES



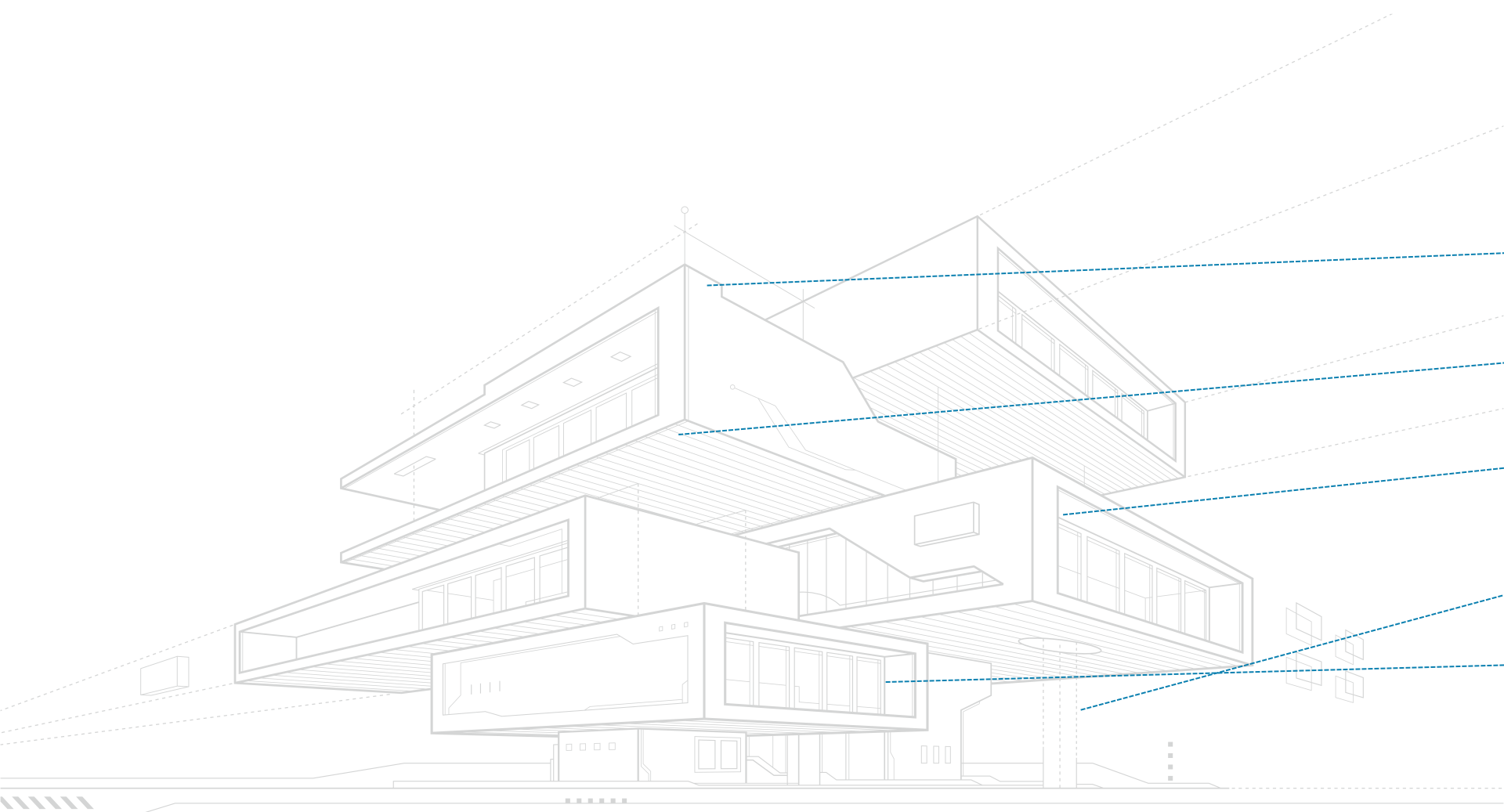
Delivering Certainty, Powered by Information

Guided by Standards, Focused on Value

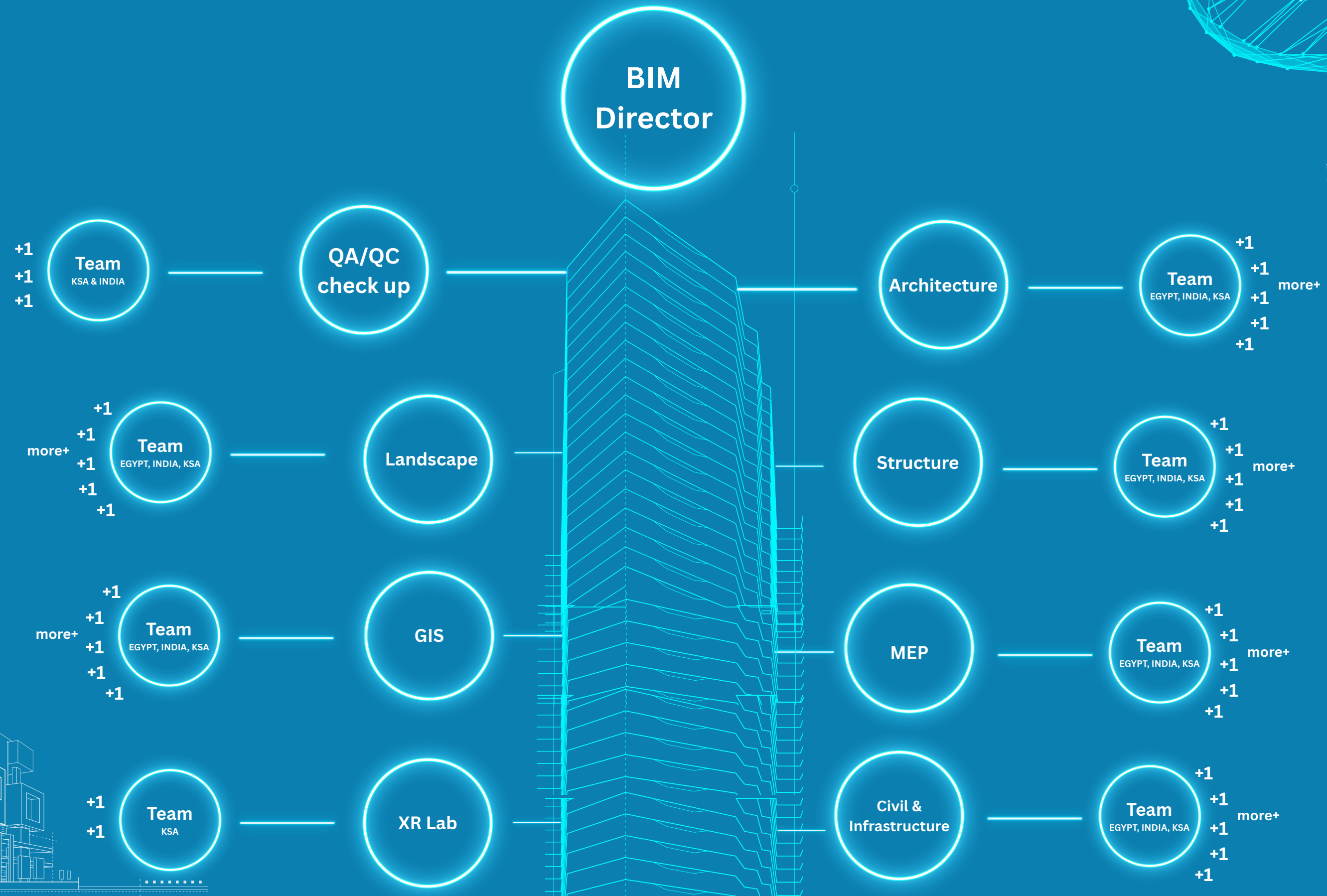
At the core of our BIM philosophy lies an unwavering commitment to data integrity, collaboration, and life-cycle value. We believe that well structured information is the most powerful construction material, one that reduces risk, accelerates schedules, and unlocks long term operational gains. Every model we author, coordinate, and hand over is governed by the following principles:

- **Data Integrity & Traceability:** Every element carries complete, auditable metadata ensuring information remains reliable from concept to close out.
- **Standards Compliance:** ISO 19650, ARAMCO BIM Manual, and NEOM Digital-Delivery protocols are embedded in our templates, parameters, and QA gates.
- **Connected Collaboration:** Cloud hosted CDEs and disciplined issue tracking keep architects, engineers, fabricators, and owners aligned in real time.
- **Predictive Insight:** 4D/5D simulations, clash analytics, and dashboard metrics turn data into foresight—preventing problems before they reach site.
- **Lifecycle Sustainability:** Digital-twin-ready models, embodied carbon metrics, and FM grade asset tagging extend BIM's value far beyond handover.

These principles ensure every deliverable from CompuSOFT is a catalyst for safer, faster, and more sustainable project outcomes, today and throughout the asset's life.



ENGINEERING DNA - OUR TEAM



BIM PARTNERSHIP FRAMEWORK



Your Instant Access to Certified Digital Delivery

- ▶ **Purpose:**
Enable non-BIM organisations to bid, win, and execute BIM-mandated projects without the overhead of building an internal team.
- ▶ **Model:**
Retainer-based access to CompuSOFT's ISO 19650 managers, discipline leads, and production pods.
- ▶ **Flexibility:**
Scale hours and disciplines month-to-month to match pipeline volatility.

Why Partner With CompuSOFT?

FRAMEWORK BENEFITS

Benefit	What It Means for You
Instant Expertise	ISO 19650 workflows, clash analysts, 4-D planners on day one.
Seamless Implementation	We remain your BIM lead from bid to digital-twin hand-off.
Enhanced Competitiveness	Proven ARAMCO/NEOM CV strengthens pre-qualification.
Cost-Efficient Engagement	Pay only for the resource, not by project.
Risk Mitigation	Federated models, QA/QC gates, single POC accountability.

BIM PARTNERSHIP FRAMEWORK



FROM AUDIT TO DIGITAL TWIN: THE 5-STEP PATH

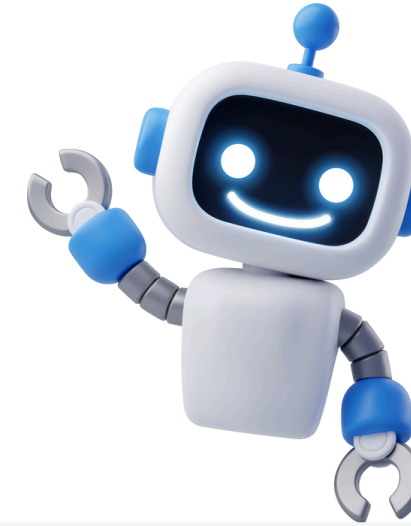
- ▶ **BIM Maturity Assessment**
benchmark current capability vs. ISO 19650.
- ▶ **Retainer Agreement**
lock monthly scope (ad-hoc bids → twin maintenance).
- ▶ **Bid Participation**
CompuSOFT credentials embedded in pre-quals & tenders.
- ▶ **BIM Execution**
clash-free models, 4-D sequences, issue dashboards.
- ▶ **Project Close-Out**
LOD 500 twin + COBie + FM onboarding.

WHAT THE FRAMEWORK COVERS?

FRAMEWORK BENEFITS

Benefit	What It Means for You
Pre-Bid Support	BEP authoring, LOD tables, resume packs.
Model Production	Arch, Str, MEP, Civil, Infra, GIS integration.
Clash & Coordination	Rule-sets, issue management, clearance sign-offs.
4D/5D Simulation	SYNCHRO, cost codes, logistics visuals.
VR / XR Walk-Throughs	Executive fly-through in model
QA/QC & Audits	ISO 19650 checks, data drop validation.
Digital-Twin Enablement	Asset tagging, sensor placeholders, CMMS sync.

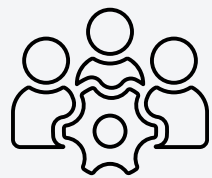
PRODUCTION POD



WHAT IS PRODUCTION POD?

A self contained, cross disciplinary work force unit dedicated to a single project or workstream. One pod = all the skill you need, managed as a package

STAND-UP MAKEUP



- 1 discipline Lead
- 2-4 Senior BIM Modelers
- 1 QA J Clash Analyst
- 1-3 Junior Modelers

GEOGRAPHIC SPREAD

- **Saudi Arabia** - On-site Coordination Cell
- **Egypt** - Day/Night Shift Remote Cell
[Cost-efficient & senior talents]
- **India** - Day/Night Shift Remote Cell
[Cost-efficient & senior talents]

GOVERNANCE

- Single point of contact in KSA
- Daily standup calls
- Weekly sprint reviews
- ISO 19650 QA gate at each stage

"A pod is not a group of freelancers, instead it's a pre-coordinated, multi time zone BIM engine you can plug straight into your project"

CAPACITY

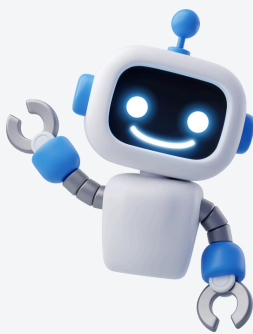
~ 300 model elements / discipline / week

WHY IT WORKS

- Eliminates single point delays
[Continues rolling production]
- Scales up or down in One Billing Cycle



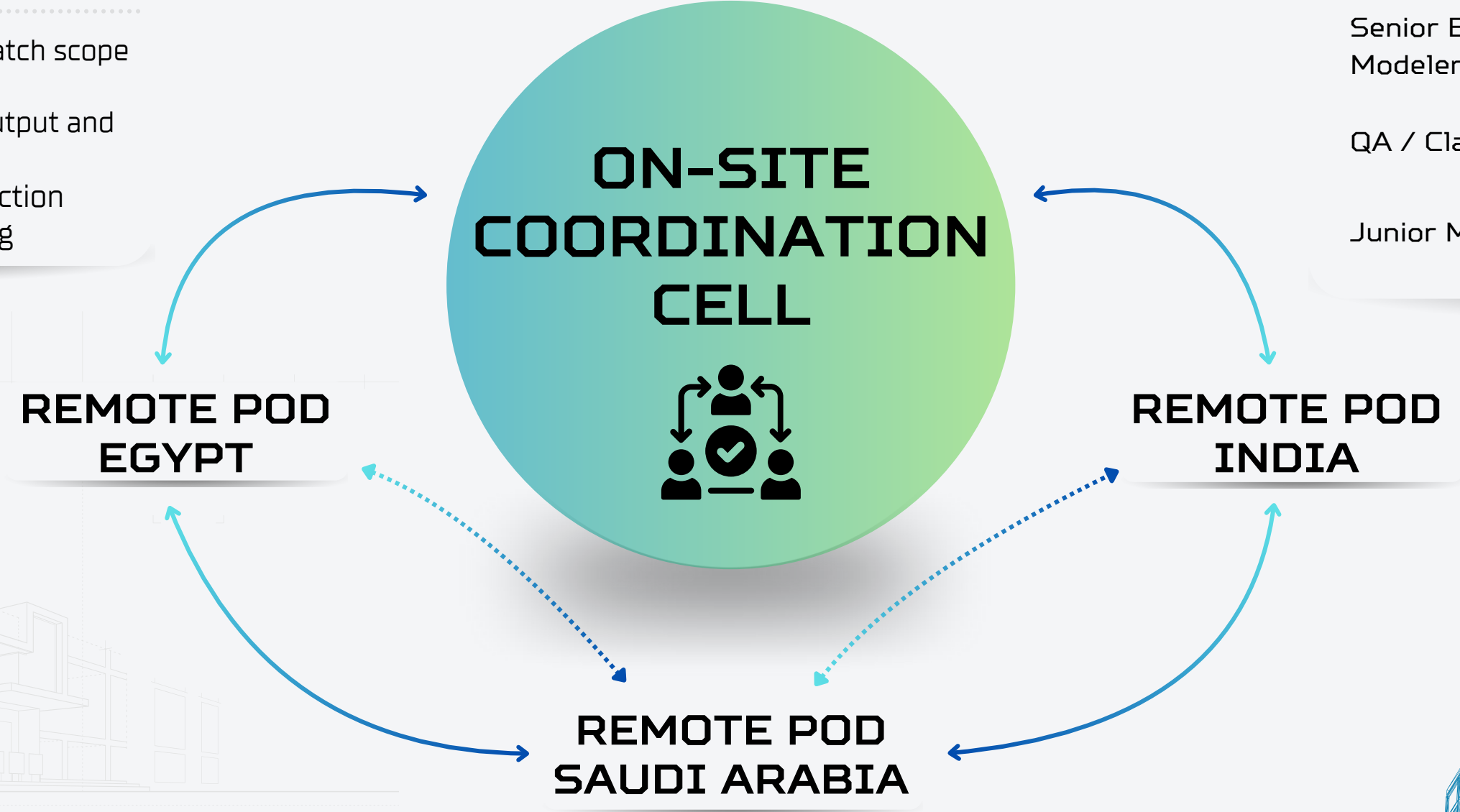
HOW WE CHOOSE YOUR PRODUCTION POD



Right size of team we dial up, dial down, or blend month by month

HOW SCALING WORKS?

- We pick & mix pods to match scope and budget
- Swap or blend for max output and max uptime
- Max hours rolling production eliminates schedule drag



SCENARIO:

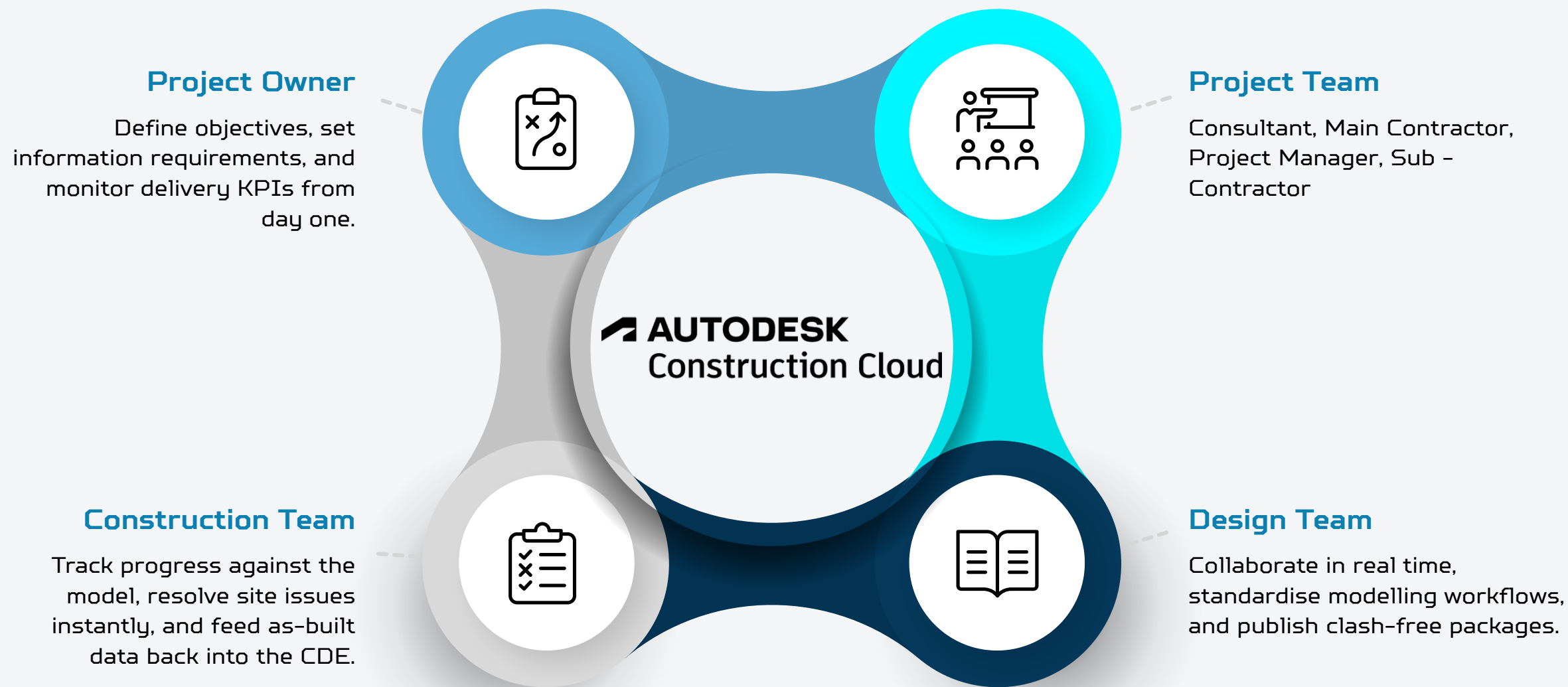
PODS DEPLOYEMENT

Role	Qty	Purpose
Discipline Lead	1	Technical QA, client queries
Senior BIM Modeler(s)	2	Core authoring & coordination
QA / Clash Analyst	1	Runs rule-sets, resolves issues
Junior Modeler(s)	3	Sheet production & redlines

COMMON DATA ENVIRONMENT



One Platform



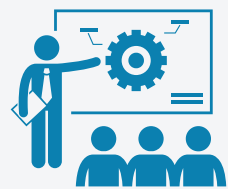
BIM TRAINING & CERTIFICATION

Empowering your team with the tools and standards that requires

COMPREHENSIVE BIM TRAINING COURSE

End-to-end curriculum covering key BIM principles, processes, and standards, as well as assignment models, clash management, CDE use, and quality assurance.

Delivery Modes



▶ On-site (KSA)

▶ Virtual (LIVE)



- ✓ 25+ Years of Training Excellence
- ✓ Trained 5,000+ Professionals & Students
- ✓ Know-How Across all Engineering Disciplines

Authorized Training Center:

 **AUTODESK**
Authorized Training Center

المؤسسة العامة للتدريب التقني والمهني
Technical and Vocational Training Corporation



ALSO TRAININGS ON KSA STANDARDS TOOLSETS TRAINING



Autodesk Revit



Autodesk Navisworks



Autodesk Civil 3D

 **AUTODESK**
Construction Cloud



SYNCHRO™ 4D

OUR WORK CULTURE

Creativity,
Collaboration,
and Innovation

Where Passion Meets Purpose

we value collaboration, where teamwork and shared vision drive our projects. Innovation is at the core of what we do, always pushing design boundaries. With integrity, we deliver excellence, honesty, and professionalism in every project.

**Together, we build more than just spaces we
build relationships, ideas, and a future of
creative possibilities.**

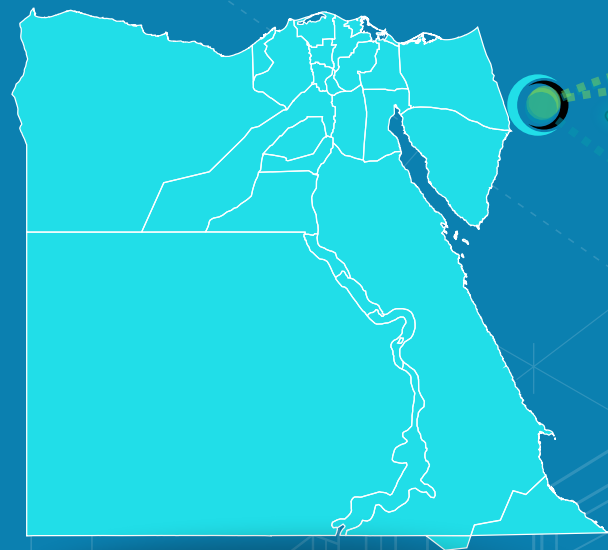
GEOGRAPHIC FOOTPRINT



EGYPT

REMOTE HUB

PRODUCTION CELLS POWERING HIGH-VOLUME MODELLING, FULLY SYNCED TO ACC FOR REAL-TIME COORDINATION.



DAMMAM HQ

PRODUCTION HUB, VR SETUP, CENTRAL COMMAND MANAGEMENT, BIM LEADERSHIP, AND FINAL QA.



RIYADH

CLIENT FACING HUBS FOR LIVE CLASH SESSIONS AND ON-DEMAND MEETINGS

JEDDAH

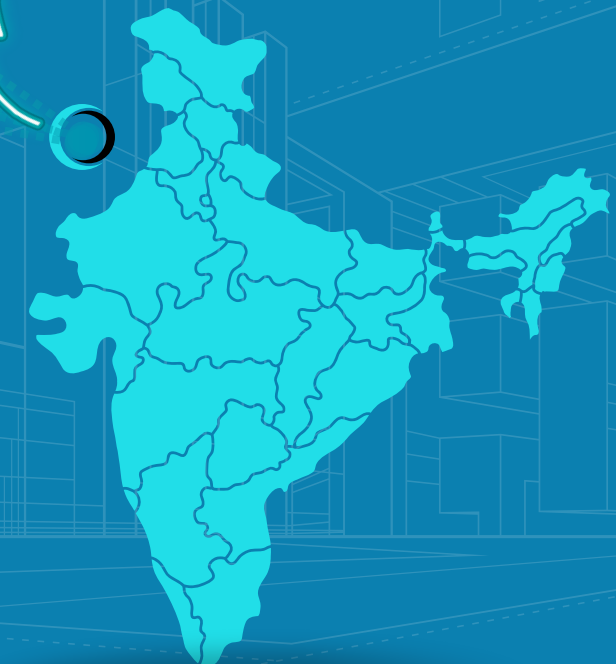
CLIENT FACING HUBS FOR LIVE CLASH SESSIONS AND ON-DEMAND MEETINGS



INDIA

REMOTE HUB

PRODUCTION CELLS POWERING HIGH-VOLUME MODELLING, FULLY SYNCED TO ACC FOR REAL-TIME COORDINATION.



CLIENTS



أرامكو السعودية
saudi aramco



MBL
Modern Building Leaders
شركة قادة البناء الحديث



& more...

Our Clients, Our Partners

Trusted Voices, Proven Results

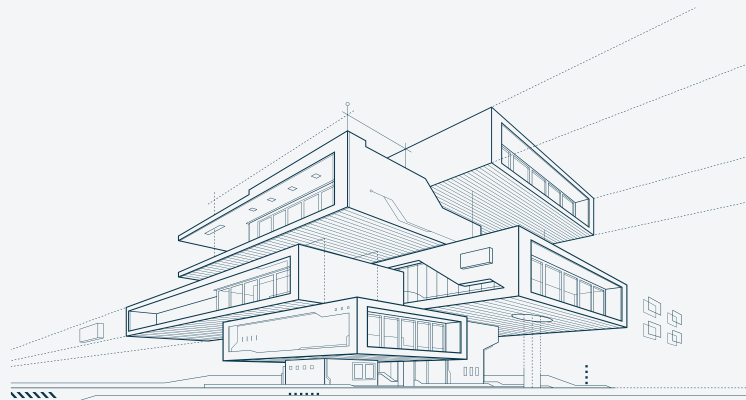
We take pride in the relationships we've built with our clients. Their feedback reflects our commitment to delivering exceptional engineering service.



PROJECTS



Innovative Designs,
Transformative Results



NEOM BAY AIRPORT BIM MODELLING PROJECT

Scope: LOD400, LOD500
Timeline: 5 months

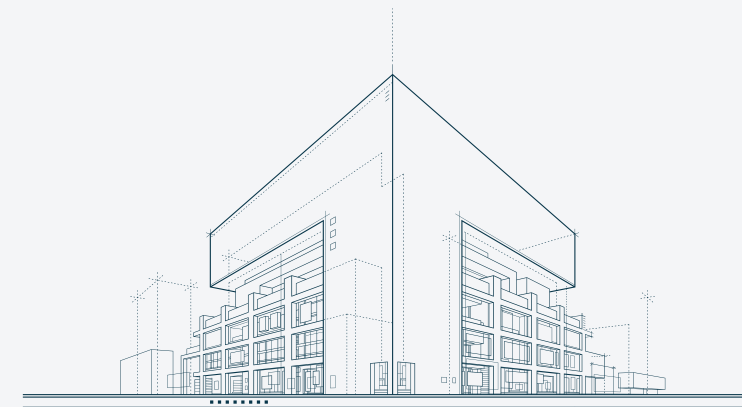
Deployed end-to-end BIM to unify all disciplines, drive clash-free coordination, embed carbon analytics, and set a new NEOM benchmark for sustainable, data-driven airport construction.



TANAJIB MARINE CONTROL BUILDING

Scope: LOD400, LOD500
Timeline: 4 months

Provided mission-critical BIM models for Saudi Aramco's new Marine Control hub in Tanajib—achieving millimetre-level accuracy, zero hard clashes, and full operational data tags to support 24-hour marine oversight from day one.



RED SEA LUXURY RESORT

Scope: LOD 500
Timeline: 3 months

Delivered detail-rich, handover-ready models for a portfolio of five-star villas and hotels on Saudi Arabia's Red Sea coast—ensuring precise quantities, clash-free coordination, and seamless integration with the client's digital-twin platform.



NEOM ROADS & INFRASTRUCTURE

Scope: LOD 500
Timeline: 3 months

Delivered a fully detailed model of NEOM's arterial road system—enabling instant quantity take-offs, early clash resolution, and clear 4-D construction sequencing. Timely hand-off keeps site crews ahead of schedule and cost forecasts on target.

THANK YOU FOR EXPLORING OUR BIM SERVICES



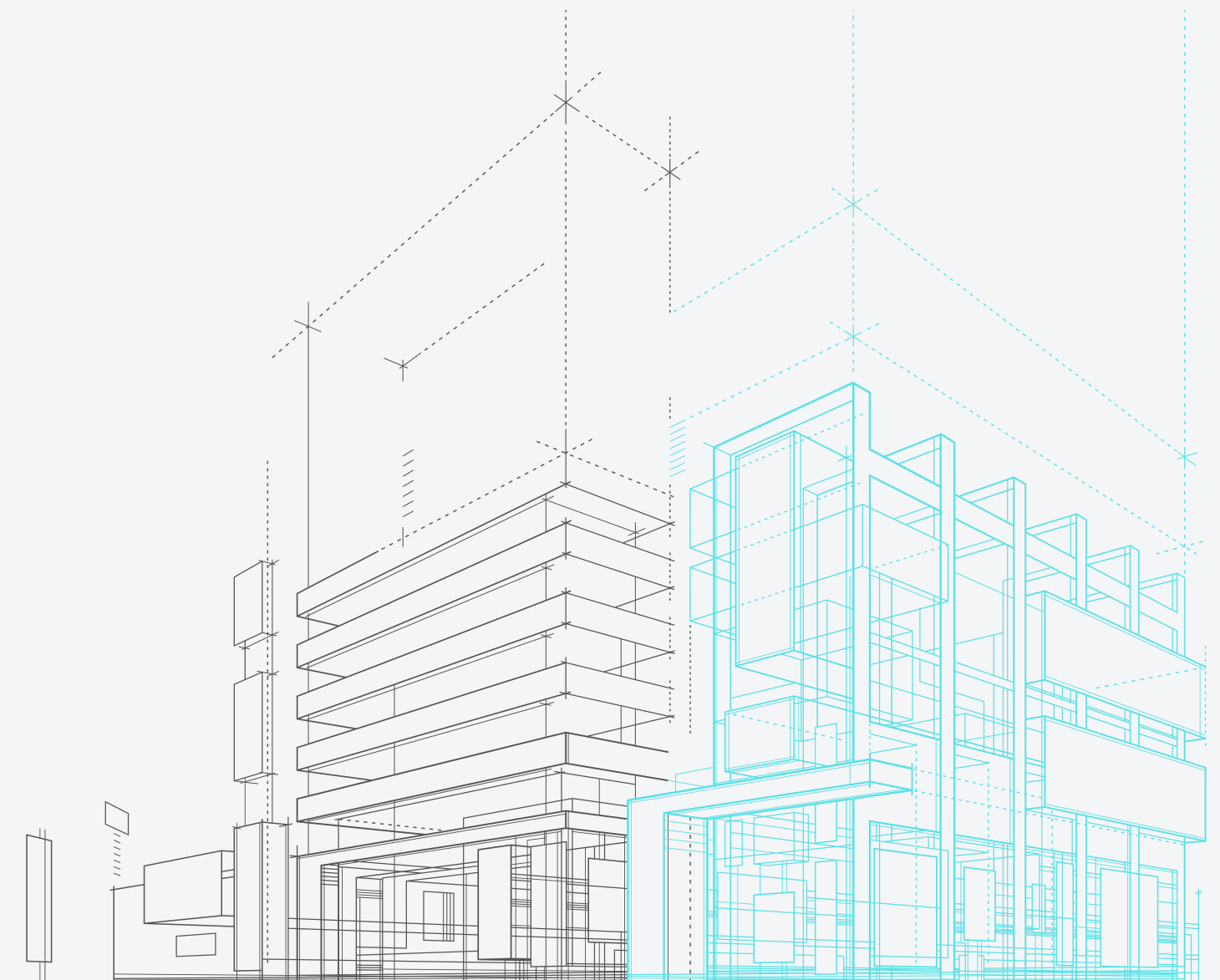
Partnering to Build the Digital Future-Together

We truly appreciate the time you've taken to explore our work and learn about CompuSOFT **BIM** Services. The value that an information-driven approach can bring to your projects. From LOD-100 concept blocks to LOD-500 digital twins, our mission is to turn data into certainty reducing risk, accelerating schedules, and unlocking life-cycle savings.

Every successful journey begins with trusted partners. We're excited by the prospect of aligning our BIM expertise with your vision and delivering measurable outcomes on your next endeavour.

Questions? Ready to discuss scope?

Our team is always available. Let's transform ideas into coordinated, clash-free, construction ready reality.





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A 100% Saudi Own Company

CONTACT

Let's Connect and Collaborate

Bringing digital certainty to every project

We're excited to hear from you! Whether you have a project in mind, need more information about our services, or simply want to explore how we can work together, we're just a call or message away.

We're available to discuss your project and offer expert insights on how we can collaborate to create exceptional spaces. Feel free to reach out to schedule a consultation or for any inquiries.

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