DIGITAL CERTAINTY FOR PHYSICAL PRECISION

www.compusoftme.com
920004911

BIM Division

CompuSOFT®
IT & Engineering Solution Provider

Founded in 1990
A 100% Saudi Own Company

CompuSOFT®
IT & Engineering Solution Provider

“THE BIM MODEL IS THE AGREEMENT... EVERYTHING ELSE IS JUST NOTES.”

-Fuad Al Maskeen
VP & Managing Director
CompuSOFT

OUR MAIN SECTORS

CompuSOFT®
IT & Engineering Solution Provider

CompuSOFT®
IT & Engineering Solution Provider

- Engineering Software/Hardware Provider
  - Click to view profile
- BIM Implementation & Services Provider
- Engineering Training Provider
  - Click to view profile

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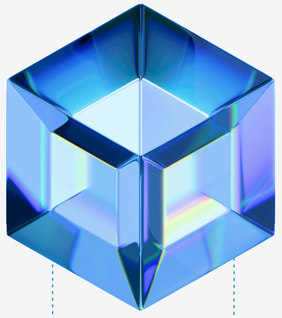

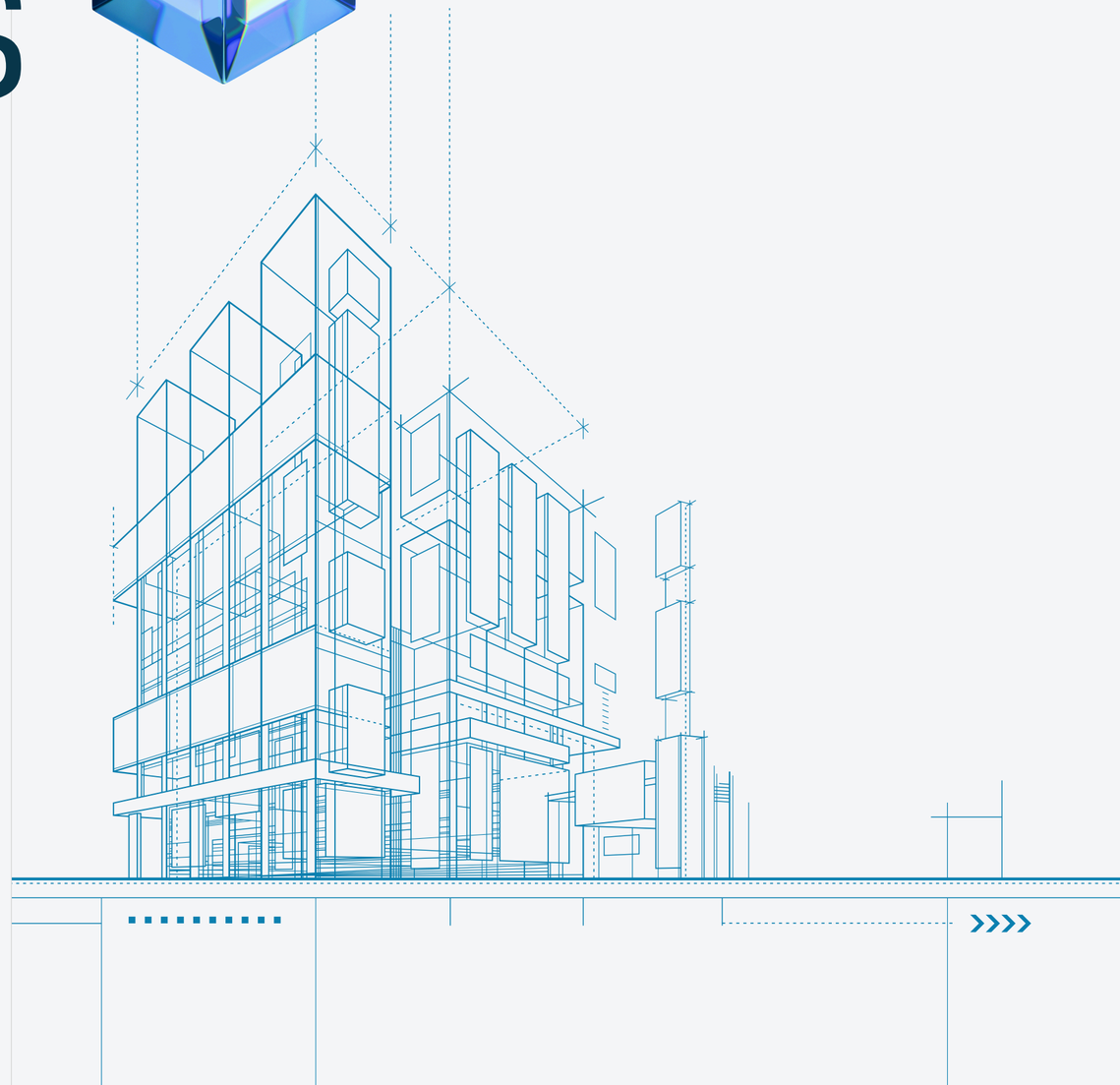

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EXECUTIVE SUMMARY

CompuSOFT®
IT & Engineering Solution Provider

Why choose us?

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 derisk budgets.

Founded in 1990
A 100% Saudi Own Company

3+	Production Pods
10+	BIM Leadership Team inside KSA
50+	Projects
30+	Years of experience
30+	Clients
25+	Buildings
30+	Team

KEY DELIVERABLES

services

CompuSOFT®
IT & Engineering Solution Provider

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 ⩽ **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 500** 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

services

CompuSOFT®
IT & Engineering Solution Provider

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.

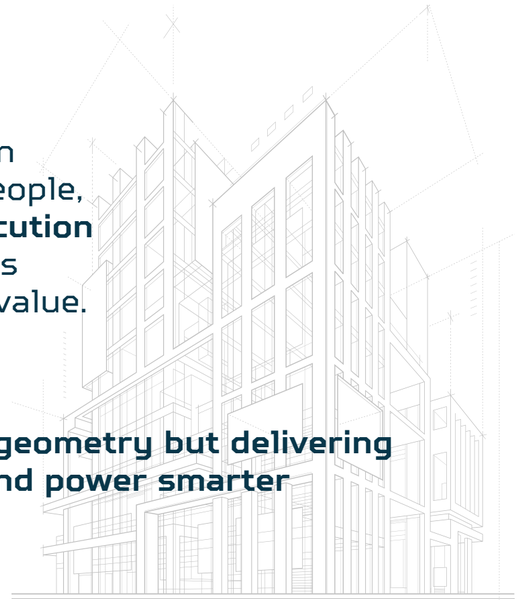
40% drop in fabrication RFIs thanks to LOD 400 detailing and connection libraries.

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.

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1. Information Centric Planning:
Early BEP workshops align all parties on LOD targets, naming standards, and data drop calendars.

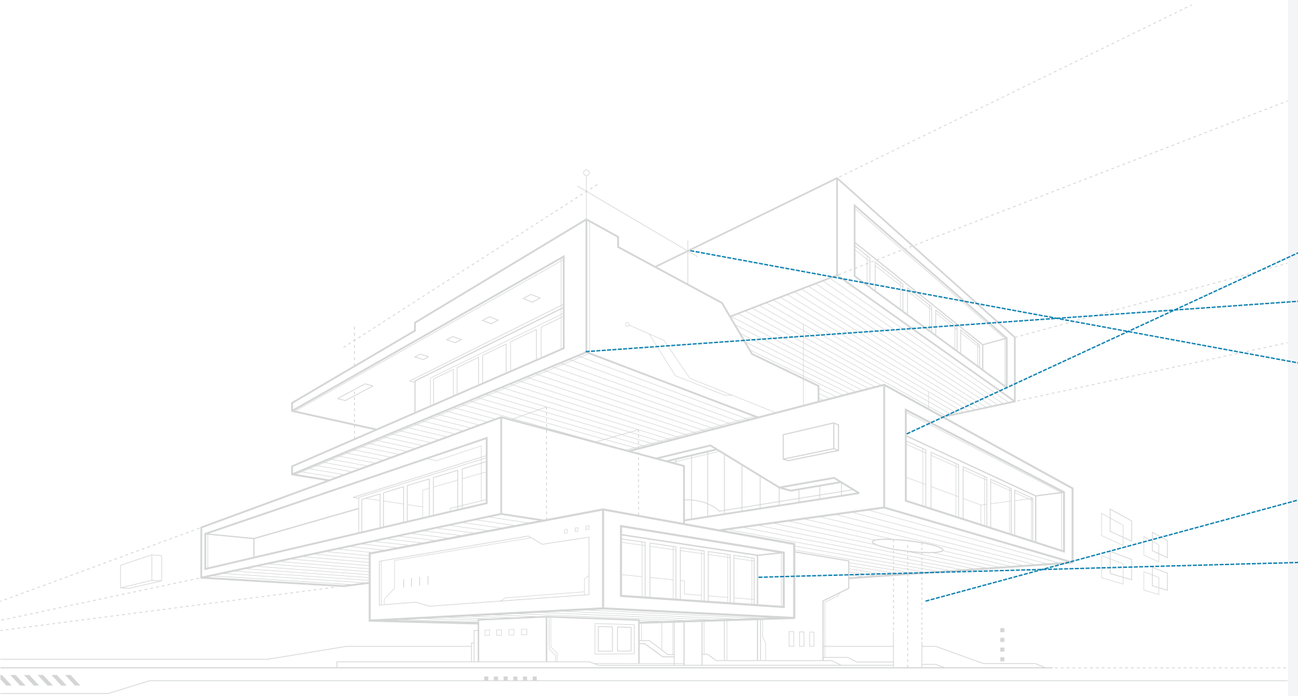
2. Model First Coordination:
Multi disciplinary models are federated weekly, automated clash rules drive issues to closure before they reach site.

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



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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

CompuSOFT®
IT & Engineering Solution Provider

BIM Director

- **QA/QC check up** — Team (KSA & INDIA) +1 +1 +1
- **Landscape** — Team (EGYPT, INDIA, KSA) more+ +1 +1 +1 +1 +1
- **GIS** — Team (EGYPT, INDIA, KSA) more+ +1 +1 +1 +1 +1
- **XR Lab** — Team (KSA) +1 +1
- **Architecture** — Team (EGYPT, INDIA, KSA) +1 +1 +1 +1 +1 more+
- **Structure** — Team (EGYPT, INDIA, KSA) +1 +1 +1 +1 +1 more+
- **MEP** — Team (EGYPT, INDIA, KSA) +1 +1 +1 +1 +1 more+
- **Civil & Infrastructure** — Team (EGYPT, INDIA, KSA) +1 +1 +1 +1 +1 more+

BIM PARTNERSHIP FRAMEWORK

CompuSOFT®
IT & Engineering Solution Provider

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, 4D 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

CompuSOFT®
IT & Engineering Solution Provider

FROM AUDIT TO DIGITAL TWIN: THE 5 STEP PATH

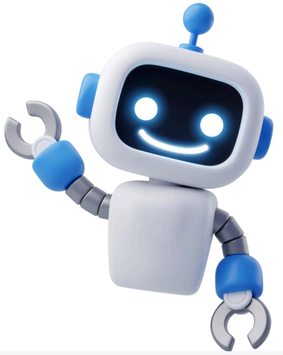
- **BIM Maturity Assessment**
  benchmark current capability vs. ISO 19650.
- **Retainer Agreement**
  lock monthly scope (ad hoc bids → twin maintenance).
- **Bid Participation**
  CompuSOFT credentials embedded in pre quals & tenders.
- **BIM Execution**
  clash free models, 4D sequences, issue dashboards.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

PROUCTION POD



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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 (**BIM Manager**) 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

Hundreds of model elements per discipline each week

WHY IT WORKS

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

HOW WE CHOOSE YOUR PROUCTION POD

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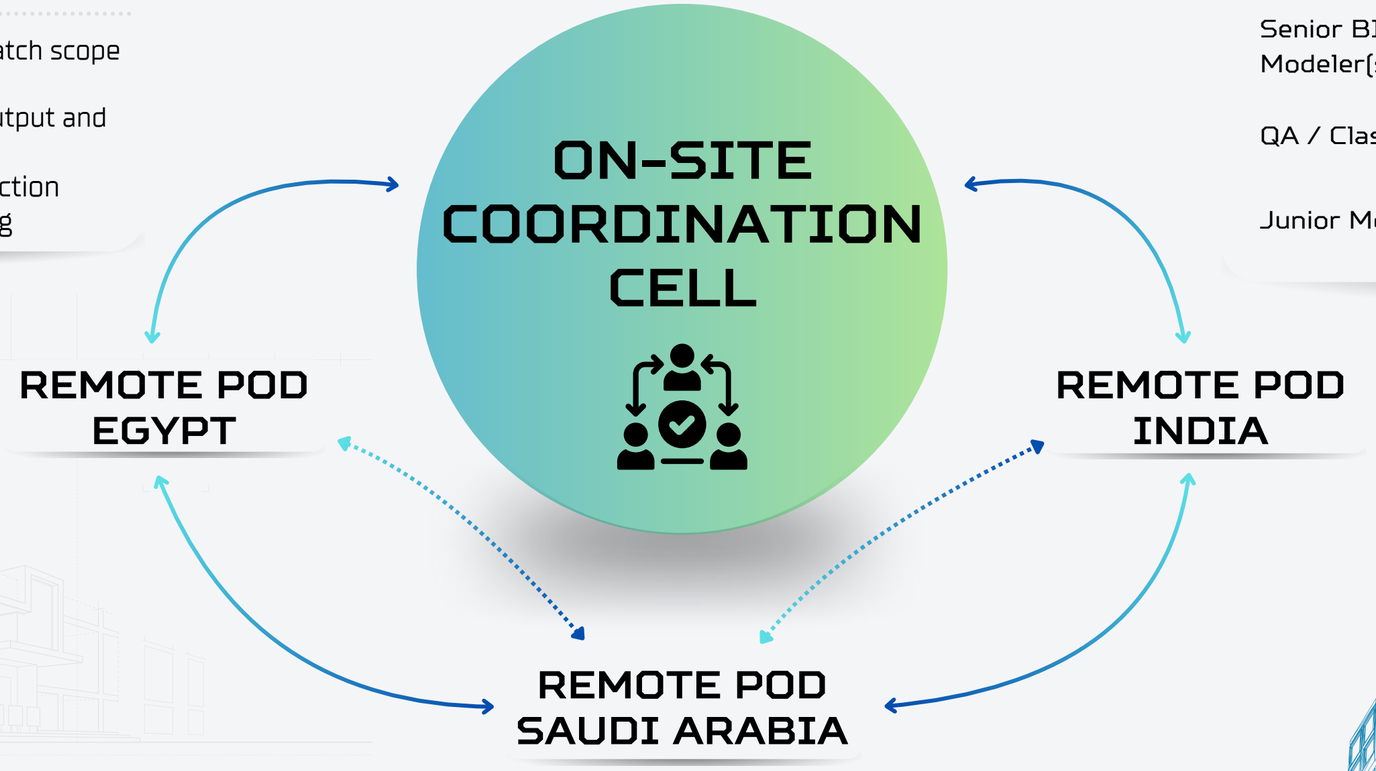
IT & Engineering Solution Provider

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

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One Platform

Project Owner

Define objectives, set information requirements, and monitor delivery KPIs from day one.

Project Team

Consultant, Main Contractor, Project Manager, Sub Contractor

AUTODESK
Construction Cloud

Construction Team

Track progress against the model, resolve site issues instantly, and feed as built data back into the CDE.

Design Team

Collaborate in real time, standardize modelling workflows, and publish clash free packages.

HOW CDE WORKS?

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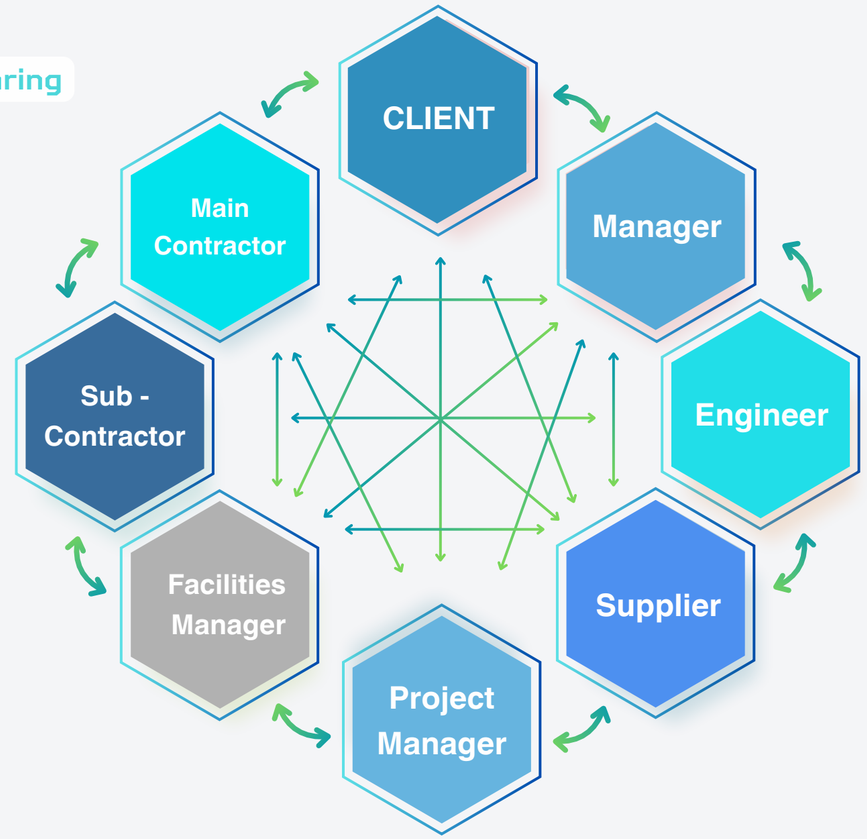
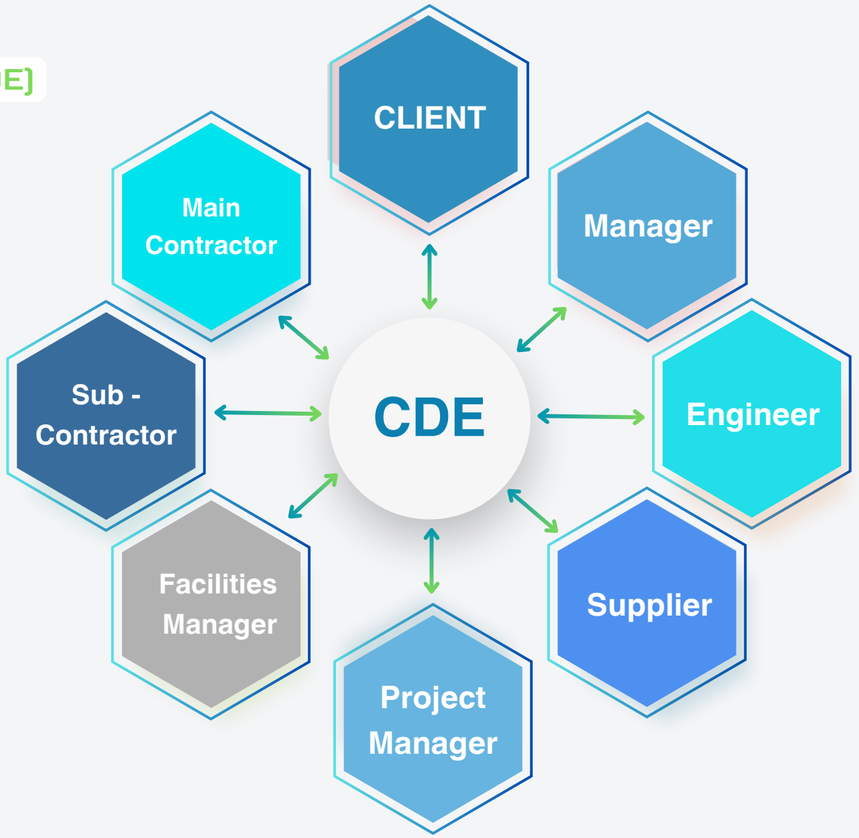
Why we recommend CDE for projects?

Traditional Information Sharing



Common Data Environment (CDE)



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

Bentley Training Partner

CompuSOFT®
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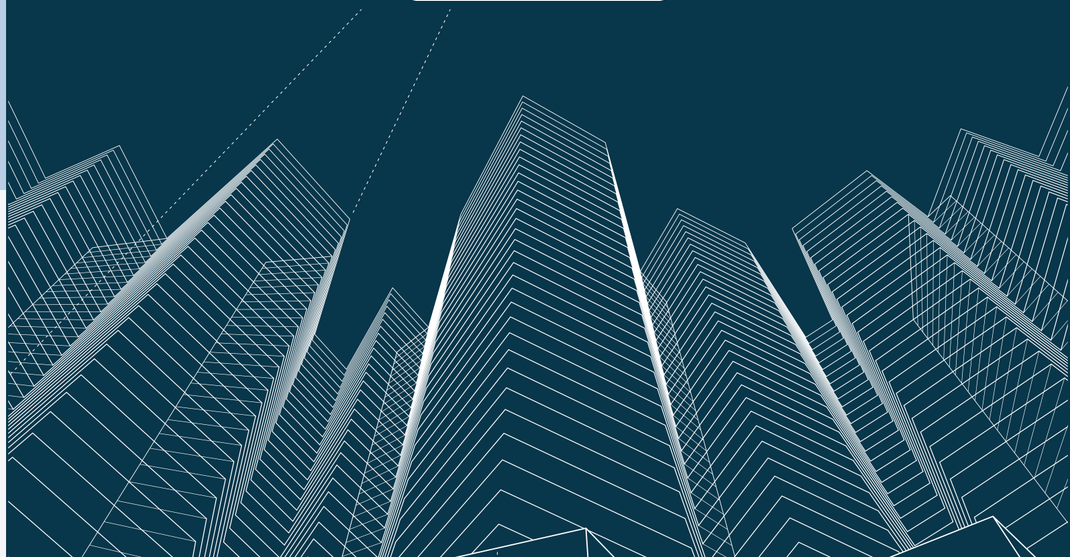
ALSO TRAININGS ON KSA STANDARDS TOOLSETS TRAINING

- Autodesk Revit
- Auotdesk Navisworks
- Autodesk Civil 3D
- AUTODESK Construction Cloud
- SYNCHRO™ 4D



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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

CompuSOFT®
IT & Engineering Solution Provider

EGYPT

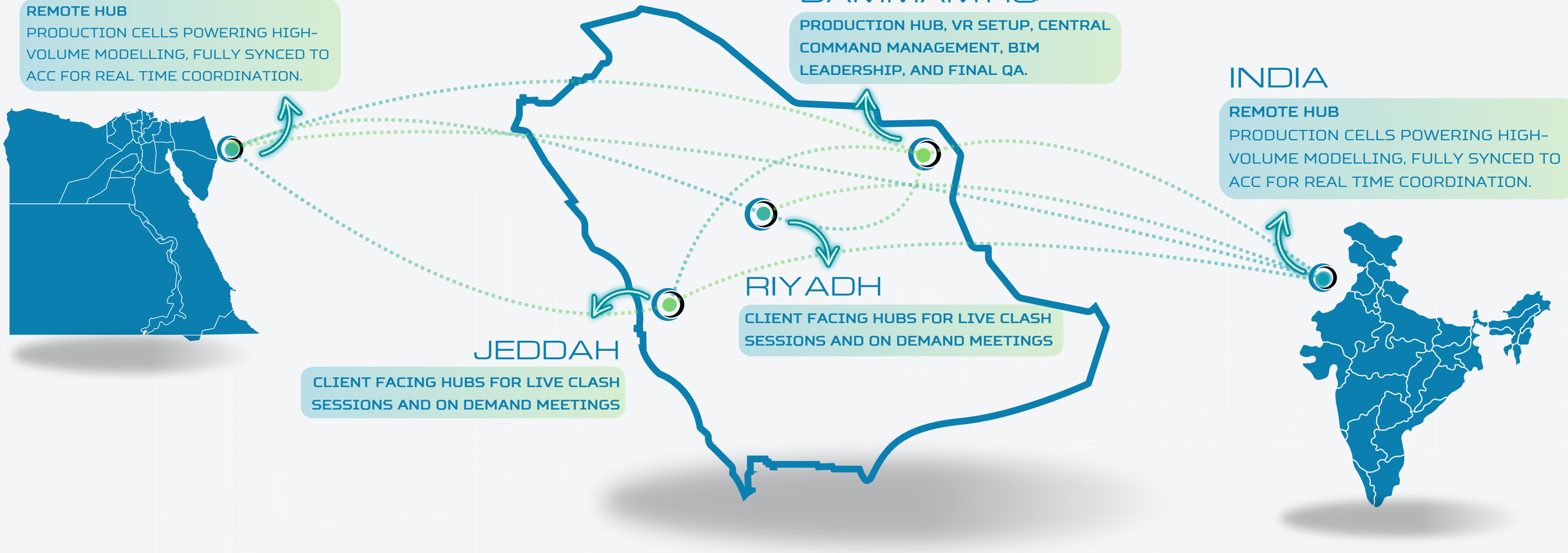
REMOTE HUB
PRODUCTION CELLS POWERING HIGH-VOLUME MODELLING, FULLY SYNCED TO ACC FOR REAL TIME COORDINATION.

DAMMAM HQ

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

INDIA

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



RIYADH

CLIENT FACING HUBS FOR LIVE CLASH SESSIONS AND ON DEMAND MEETINGS

JEDDAH

CLIENT FACING HUBS FOR LIVE CLASH SESSIONS AND ON DEMAND MEETINGS

CLIENTS

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MBL Modern Building Leaders شركة قادة البناء الحديث
أرامكو السعودية saudi aramco
SASEC ENGINEERING
Red Sea Global
NEOM نيوم
دار الرياض DAR AL RIYADH
شركة الخنيني العالمية المحدودة Khonaini International Co. LTD
سبك SAPAC
مجموعة بن لادن السعودية SAUDI BINLADIN GROUP
Nesma & Partners
Zamil Group
رؤى المدينة القابضة Ruo Al Madinah Holding

& more...

Our Clients, Our Partners

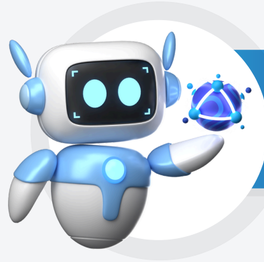
Trusted Voices, Proven Results

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

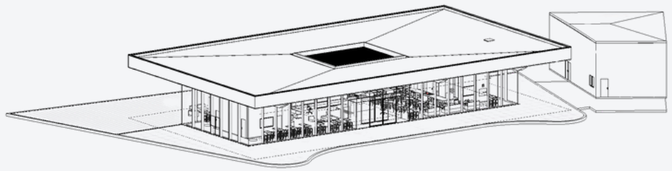
PROJECTS

CompuSOFT®
IT & Engineering Solution Provider

Innovative Designs, Transformative Results



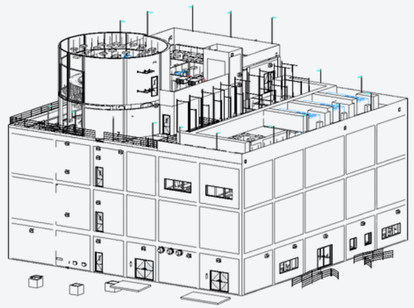
Just a few highlights from our portfolio.



NEOM BAY ARRIVAL LOUNGE

Scope: Described in detail in the following pages.
Recent projects

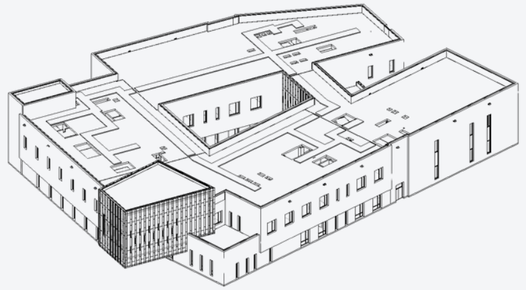
Enabling futuristic designs with data driven BIM and seamless coordination.



TANAJIB MARINE CONTROL BUILDING

Scope: Described in detail in the following pages.
Recent projects

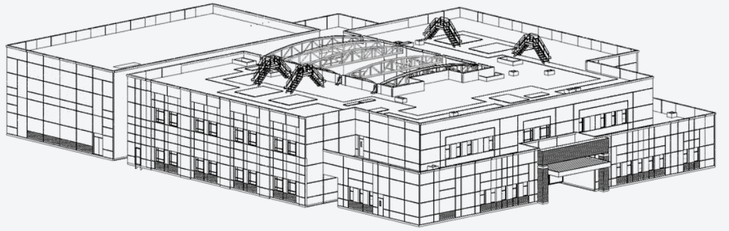
Powering marine operations with high accuracy BIM for control systems.



AL AHSA SPECIAL NEEDS SCHOOL

Scope: Described in detail in the following pages.
Recent projects

Building a modern learning space for special needs education with excellence in design and construction.



SAUDI ARAMCO SCHOOLS PHASE III

Scope: Described in detail in the following pages.
Recent projects

Optimizing school design and construction with intelligent BIM workflows.

PROJECT:
AL AHSA SPECIAL NEEDS SCHOOL

CompuSOFT®
IT & Engineering Solution Provider

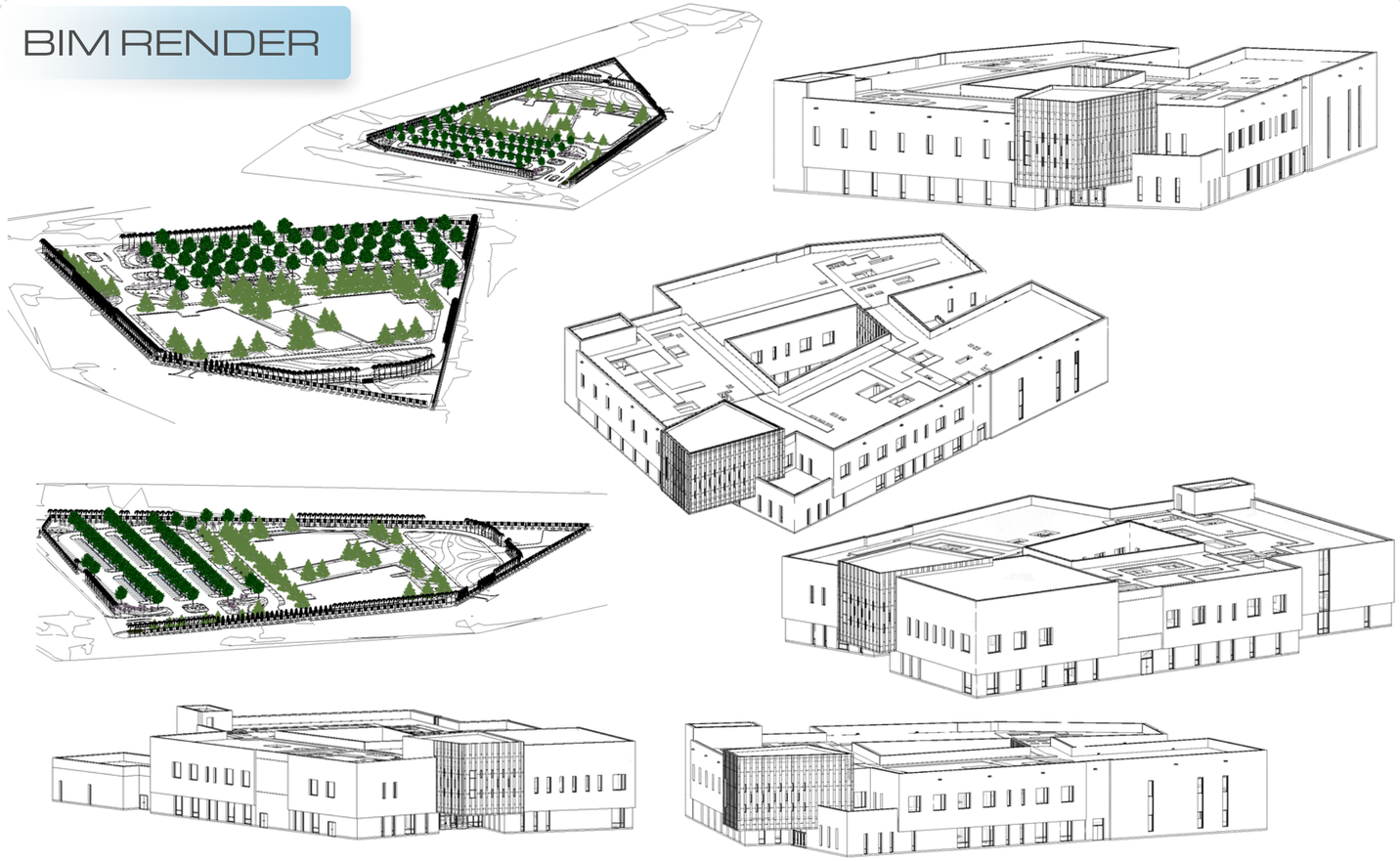
PROJECT OWNER	أرامكو السعودية saudi aramco
PMC	-----
MAIN CONTRACTOR	RAPCO EPC : RAPCO CONTRACTING & INDUSTRIAL CONSTRUCTION, SERVICES
CONSULTANT	KHATIB & ALAMI

Building a modern learning space for special needs education with excellence in design and construction.

BIM Disciplines:

- Architectural BIM Modeling (LOD 300–400)
- Structural BIM Modeling
- MEP BIM Coordination (HVAC, Electrical, Plumbing)
- Landscape Modeling
- Clash Detection & Resolution
- 4D BIM (Construction Sequencing)

BIM RENDER



PROJECT:

SAUDI ARAMCO SCHOOLS PHASE III

CompuSOFT®
IT & Engineering Solution Provider

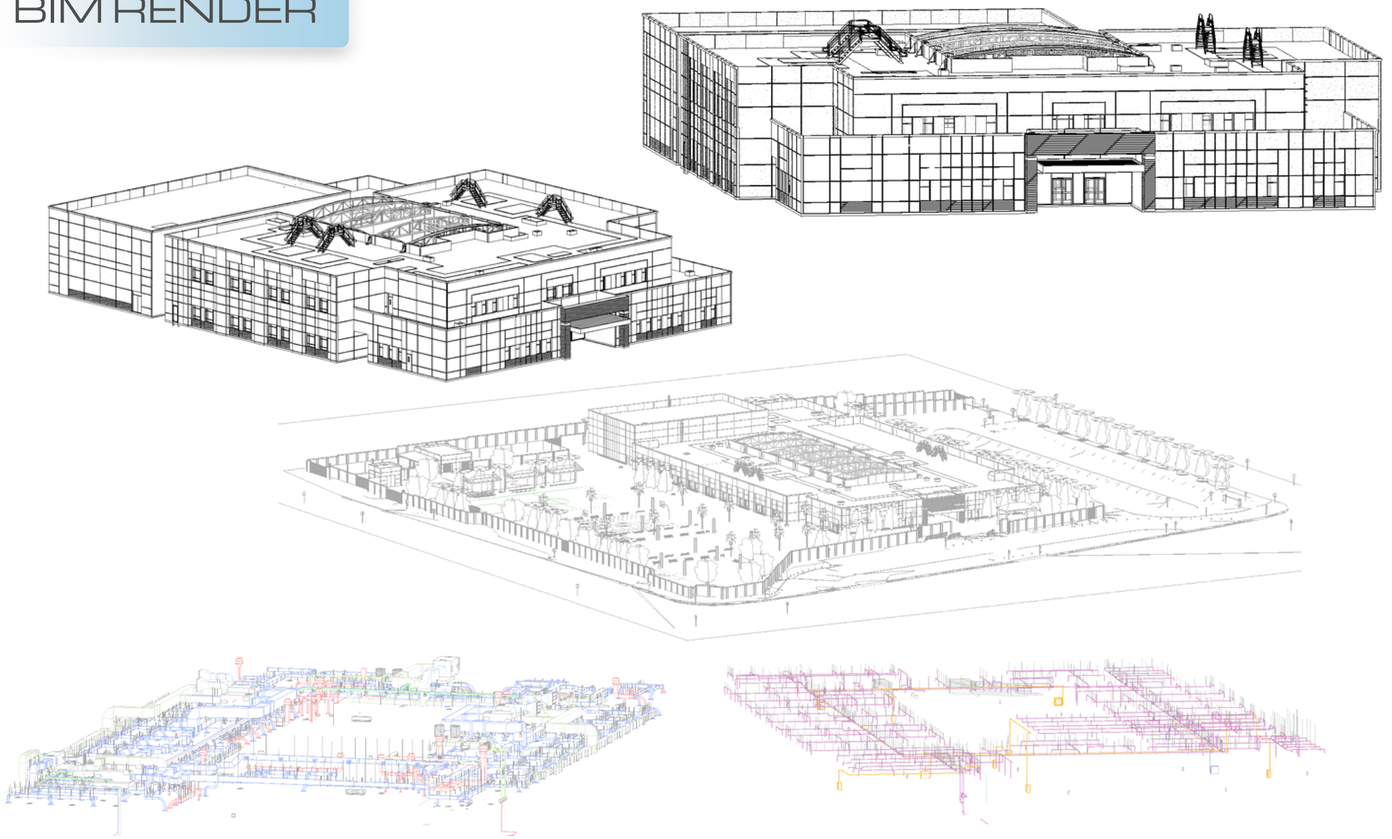
PROJECT OWNER	أرامكو السعودية saudi aramco
PMC	JLL
MAIN CONTRACTOR	شركة الخنيني العالمية المحدودة Khonaini International Co. LTD
CONSULTANT	KHATIB & ALAMI

Optimizing school design and construction with intelligent BIM workflows.

BIM Disciplines:

- Architectural BIM Modeling
- Structural BIM & Reinforcement Detailing
- MEP BIM (Plumbing, HVAC, Electrical)

BIM RENDER



PROJECT:

TANAJIB ELECTRICAL BUILDING

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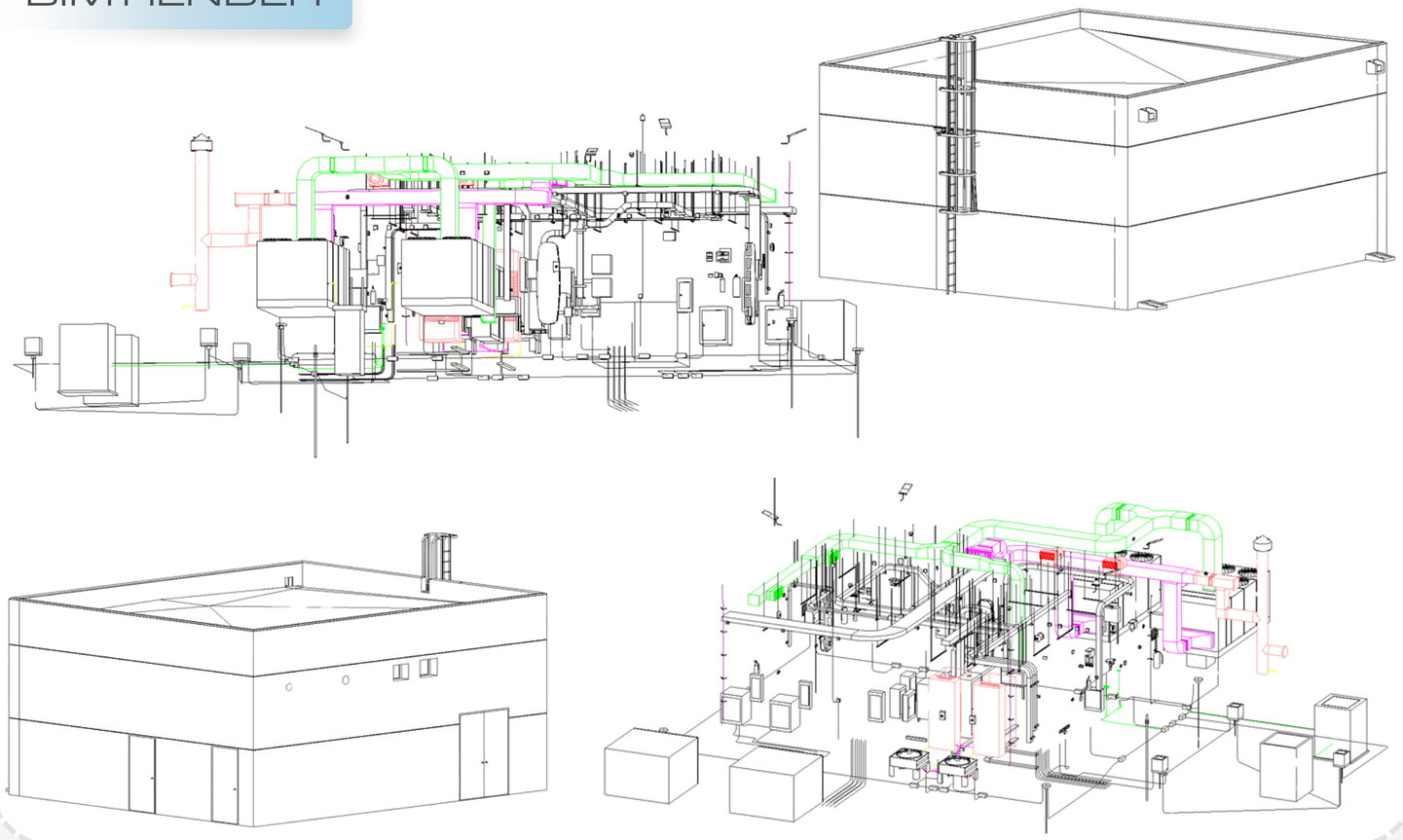
PROJECT OWNER	أرامكو السعودية saudi aramco
PMC	MCDERMOTT
MAIN CONTRACTOR	ام سي سي ال MCCL EPC O&M Turnaround company
CONSULTANT	SASEC ENGINEERING

Digital delivery of industrial electrical infrastructure with precision BIM.

BIM Disciplines:

- Electrical Systems BIM (Cables, Panels, Routing)
- Structural & Architectural BIM
- Clash Coordination (Electrical vs Civil/MEP)
- As-Built BIM Documentation

BIM RENDER



PROJECT:

TANAJIB MARINE CONTROL BUILDING

CompuSOFT®
IT & Engineering Solution Provider

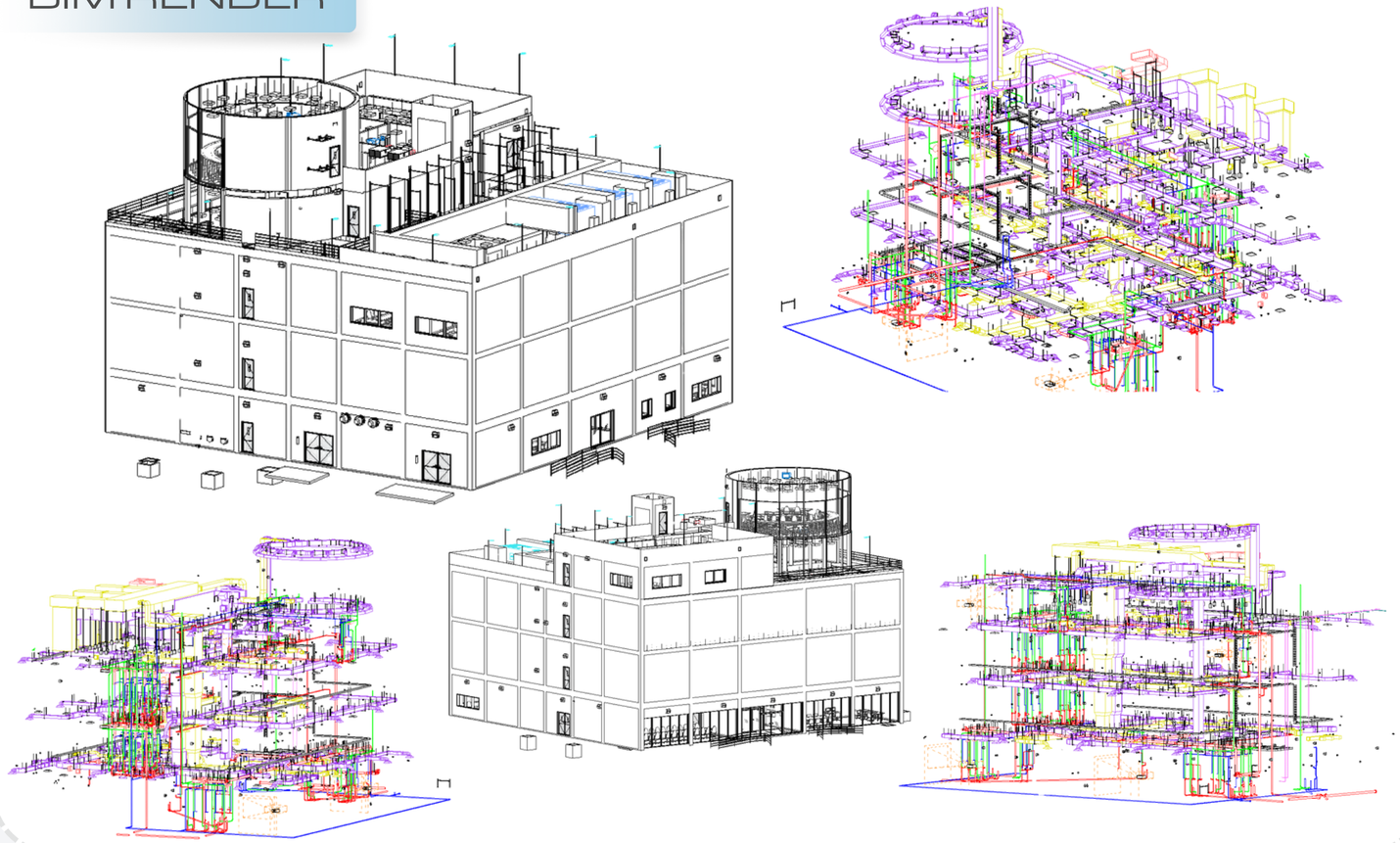
PROJECT OWNER	أرامكو السعودية saudi aramco
PMC	MCDERMOTT
MAIN CONTRACTOR	ام سي سي ال MCCL EPC O&M Turnaround company
CONSULTANT	SASEC ENGINEERING

Powering marine operations with high accuracy BIM for control systems.

BIM Disciplines:

- Architectural & Structural BIM
- MEP BIM (Mechanical & Electrical Control Rooms)
- Clash Detection & Coordination
- Asset Information Model (AIM) for Facility Management

BIM RENDER



PROJECT:

NEOM BAY ARRIVAL LOUNGE

CompuSOFT®
IT & Engineering Solution Provider

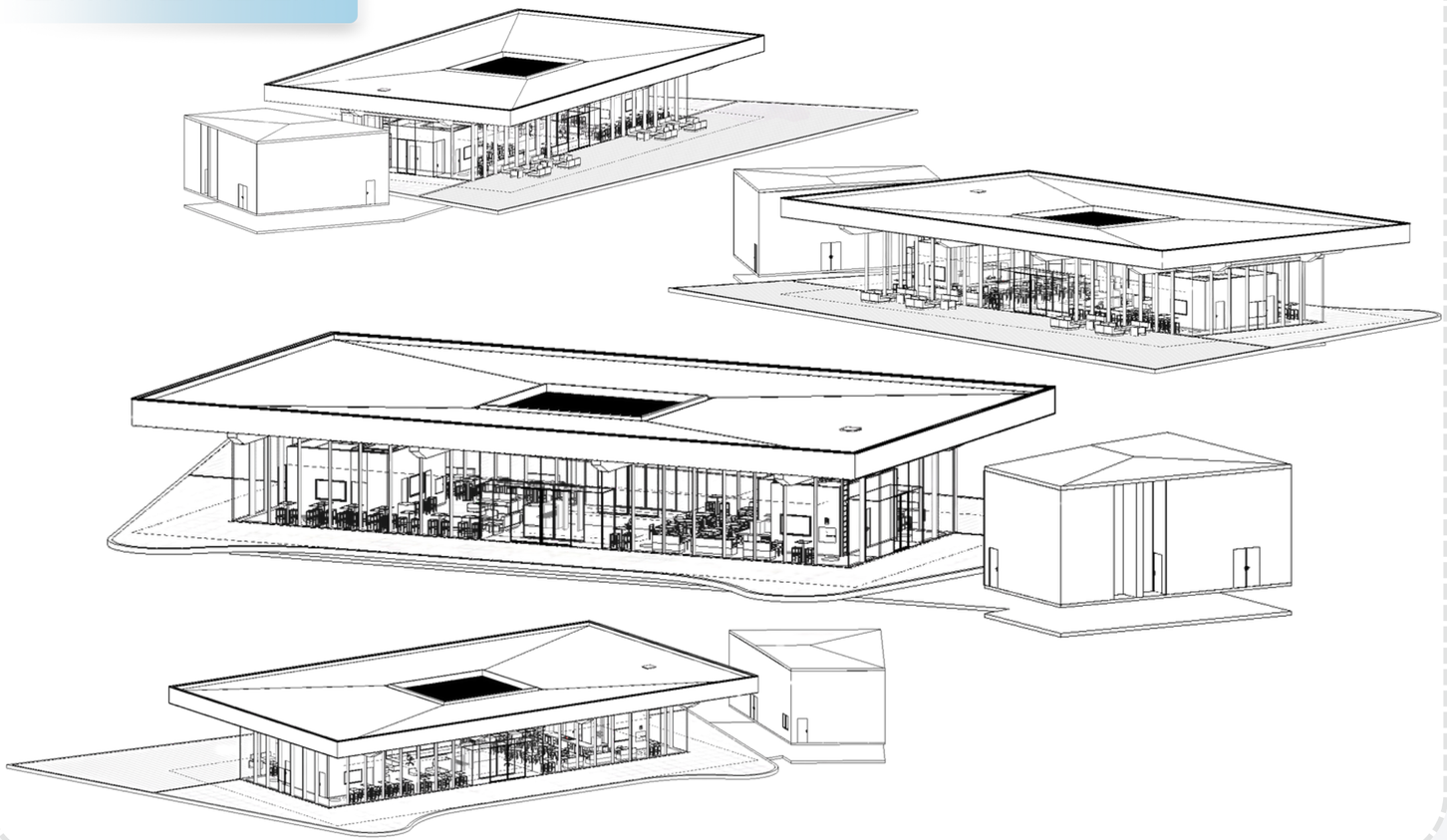
PROJECT OWNER	NEOM نيوم
PMC	AECOM
MAIN CONTRACTOR	RAPCO EPC : RAPCO CONTRACTING & INDUSTRIAL CONSTRUCTION, SERVICES — Quality Matters, We Do Believe in Quality
CONSULTANT	BECHTEL

Enabling futuristic designs with data driven BIM and seamless coordination.

BIM Disciplines:

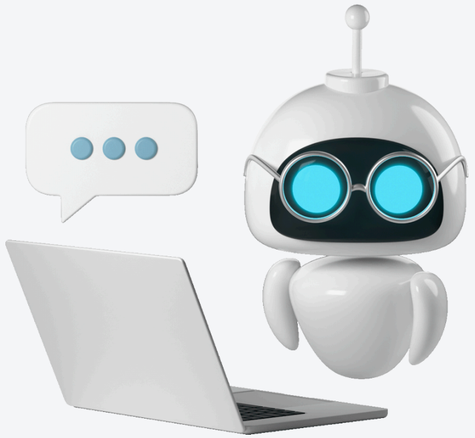
- Architectural & Interior BIM Modeling
- Structural BIM (Steel & Concrete)
- MEP BIM & Energy Analysis

BIM RENDER



THANK YOU FOR EXPLORING OUR BIM SERVICES

CompuSOFT®
IT & Engineering Solution Provider

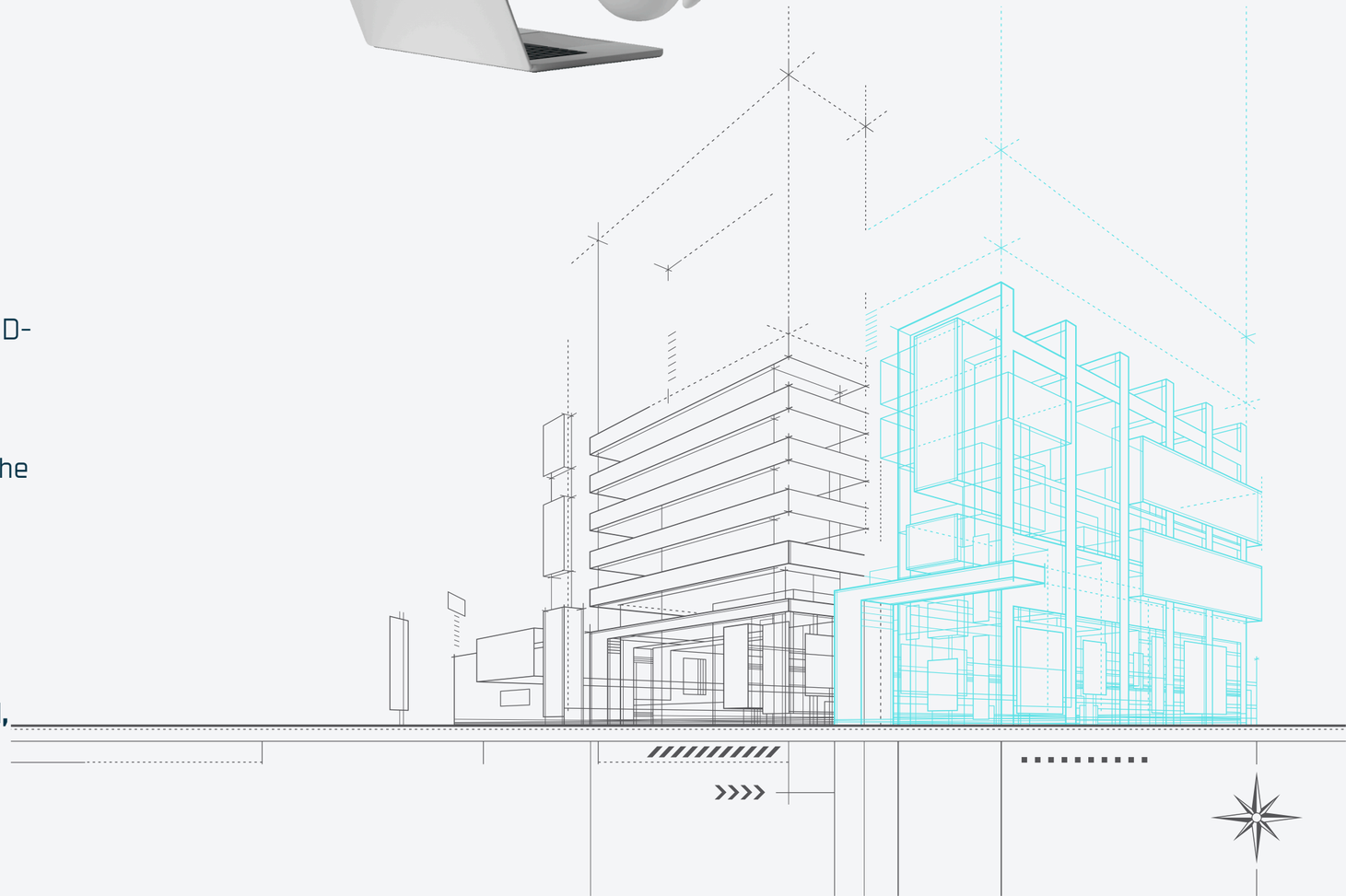


Partnering to Build the Digital Future Together

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.



CompuSOFT®
IT & Engineering Solution Provider

Founded in 1990
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.

COMPUSOFT HQ

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