



iQUNi

Engineering Consulting

أيقوني للإستشارات الهندسية





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Company Overview



About Us 



About Us

Welcome to iQuni Engineering Consulting

iQuni is a premier structural engineering consulting firm delivering innovative, reliable, and efficient structural solutions. Our expertise spans **Full Structural Design & Detailing, Specialized Structural Systems, Construction Material Studies, BIM Methodologies, Project Management, and Construction Supervision**, with a focus on reinforced concrete, steel structures, post-tensioned and precast concrete, as well as structural rehabilitation.

Our portfolio showcases successful projects across Egypt, the GCC, and Africa, ranging from high-rise buildings and industrial facilities to complex infrastructure. Our team of skilled structural engineers consistently delivers designs that ensure safety, durability, and efficiency.

With a commitment to excellence, we are expanding our presence into new markets, bringing our expertise to contribute to growth and iconic developments across the region, and the selected projects showcase the expertise, capabilities, and professionalism of our team.



Vision & Mission 



Vision

At iQuni, we aim to be a leading structural engineering firm across the Middle East, GCC, Africa, and beyond. Known for innovative designs, advanced technologies, and sustainable practices, we deliver safe, durable, and efficient solutions that contribute to resilient and sustainable communities.



Mission

Our mission is to deliver exceptional structural engineering services, including Full Structural Design & Detailing that ensure the success, safety, and durability of every project. We provide innovative solutions, leveraging advanced technologies, BIM methodologies, and industry best practices to exceed client expectations and advance the field of structural engineering.





Values

- **Core values and principles for iQuni Engineering Consulting Innovation:**

We embrace creativity and strive to implement cutting-edge solutions in our projects

- **Quality:**

We are committed to delivering excellence and maintaining the highest standards in our work

- **Professionalism:**

We conduct our business with the utmost professionalism and respect for all stakeholders





Our Services



Our Services 

OUR SERVICES

WHAT WE DO



Full Structural Design
& Detailing



BIM Methodologies



Construction Material
Studies



Project Management



Construction Supervision



1



Full Structural Design & Detailing

Comprehensive structural engineering solutions for residential, commercial, and industrial, and designed in accordance with local and international codes.

- Reinforced Concrete Design
- Steel Structures Design
- Post-Tension Concrete Design
- Precast Concrete Design
- Structural Rehabilitation, Retrofitting, and strengthen.

2



Specialized Structural Systems

Tailored structural solutions for complex and non-conventional structures requiring advanced engineering approaches.

- Structural Façade & Curtain Wall Systems
- Electrical / Transmission Towers
- Water-Related Structures (Water Tanks, and Pump Stations)



3



BIM Methodologies

Smart digital engineering solutions for enhanced coordination, and visualization

- Produce detailed 3D BIM models for structural systems, Revit for concrete and Tekla for steel structures (including detailing and connections.)
- Utilize 4D/5D Construction Simulation for project planning and cost estimation

4



Construction Material Studies

Advanced engineering studies to improve structural durability, safety, and long-term material performance.

- Thermal analysis of concrete structures to control cracking
- Concrete durability and material performance assessments
- Support for optimized mix designs



5



Project Management

Comprehensive technical and management support for efficient project delivery and cost control.

- Cost estimation and project budgeting
- Quantity surveying and material take-offs
- Value engineering to optimize structural solutions
- Technical support in arbitration and engineering disputes

6



Construction Supervision

On-site supervision to ensure quality, and compliance throughout construction.

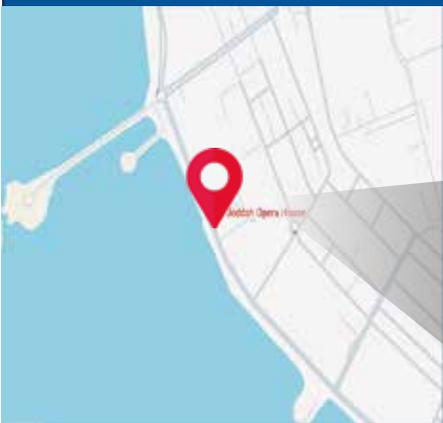
- Structural supervision and site inspections
- review and approval of shop drawings
- Quality control and material/workmanship checks
- Progress monitoring and reporting





Our Projects





● Site: Jeddah, KSA



Projects

Jeddah Opera House

- Scope of work: Thermo-structural analysis of the raft concrete foundation.
- Main Contractor: MBL – Modern Building Leaders.
- Main Consultant: Buro Happold

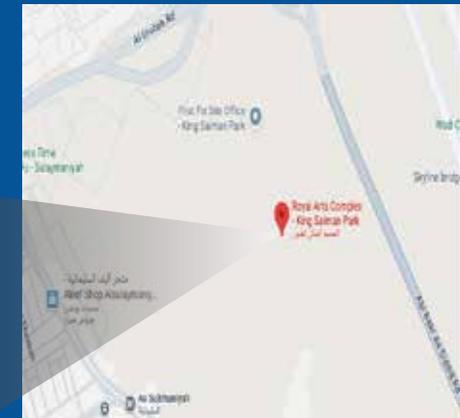


King Salman Park - Royal Art Complex

- Scope of work: Steel framing reanalysis and redesign for curtain wall.
- Contractor: United Arab Aluminum Co.
- Main Contractor: MBL – Modern Building Leaders



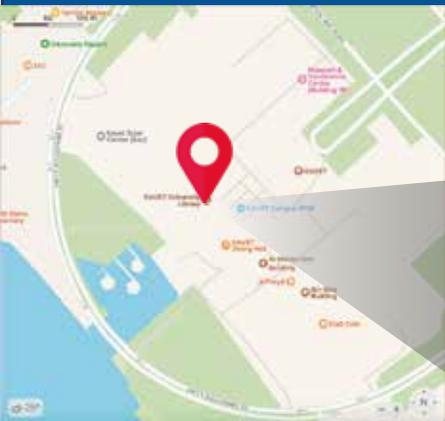
- Site: Riyadh, KSA



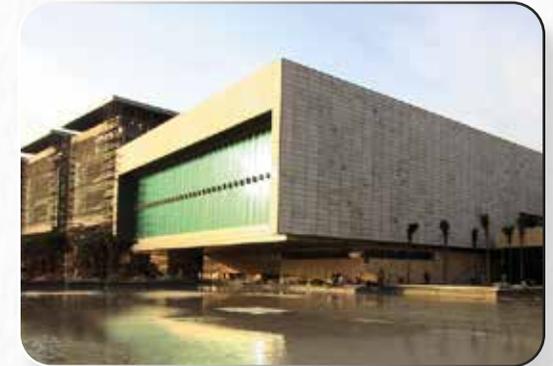


Kaust Library

- **Scope of Work:** Preparing Design and Shop Drawings of Steel Structures to support the North and South Canopy and Stairs for the Public Library Building
- **Client:** Saudi ARAMCO
- **Main Contractor:** Saudi Binladin Group
- **Main Consultant:** Dar Al-Handasah



- **Site:** Thuwal, KSA

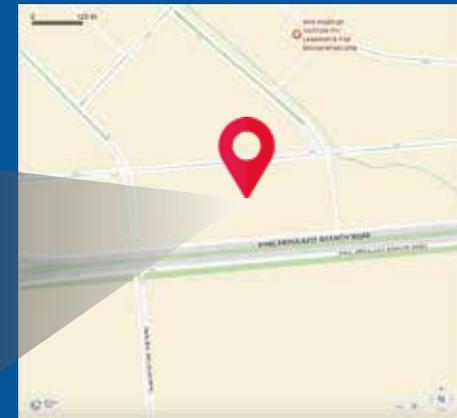


The KEC Hub Mall

- Scope of Work: Structural Design Review of the Main Skeleton.
- Client: Knowledge Economic City (KEC).
- Main Consultant: Chapman Taylor.



- Site: Al Madinah, KSA



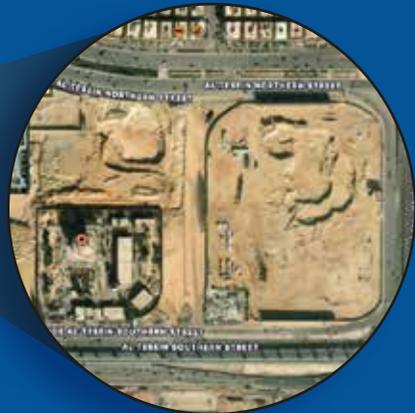


Central New Cairo

- Scope of Work: Preparing Design for the Main Building.
- Client: Saudi Egyptian Developers.
- Main Consultant: RMC.



- Site: Cairo, Egypt

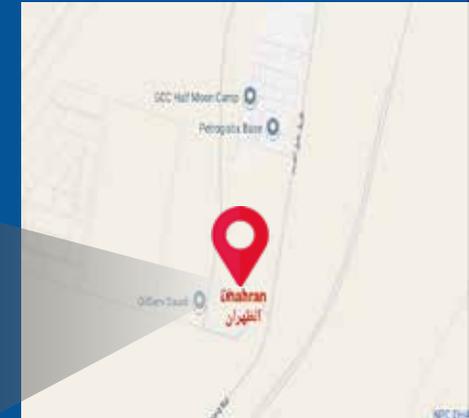


Derrick Steel tower

- Scope of Work: Connection design and production of fabrication & erection drawings using TEKLA
- Owner: Aramco
- Main Consultant: Khatib & Alami

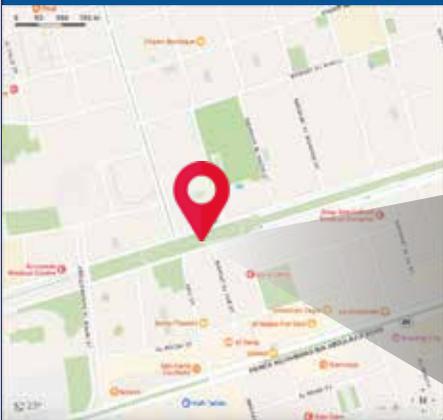


- Site: Eastern Province, KSA.





Google



● Site: Jeddah, KSA



KAB Holding Company

- Scope of Work: Preparing Design and Shop Drawings of Steel Structure Buildings.
- Client: KAB Holding Co.



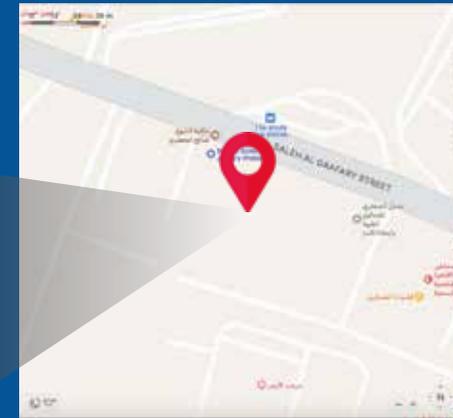
Our Projects >>

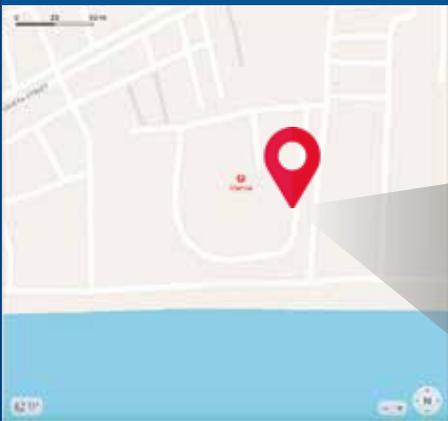
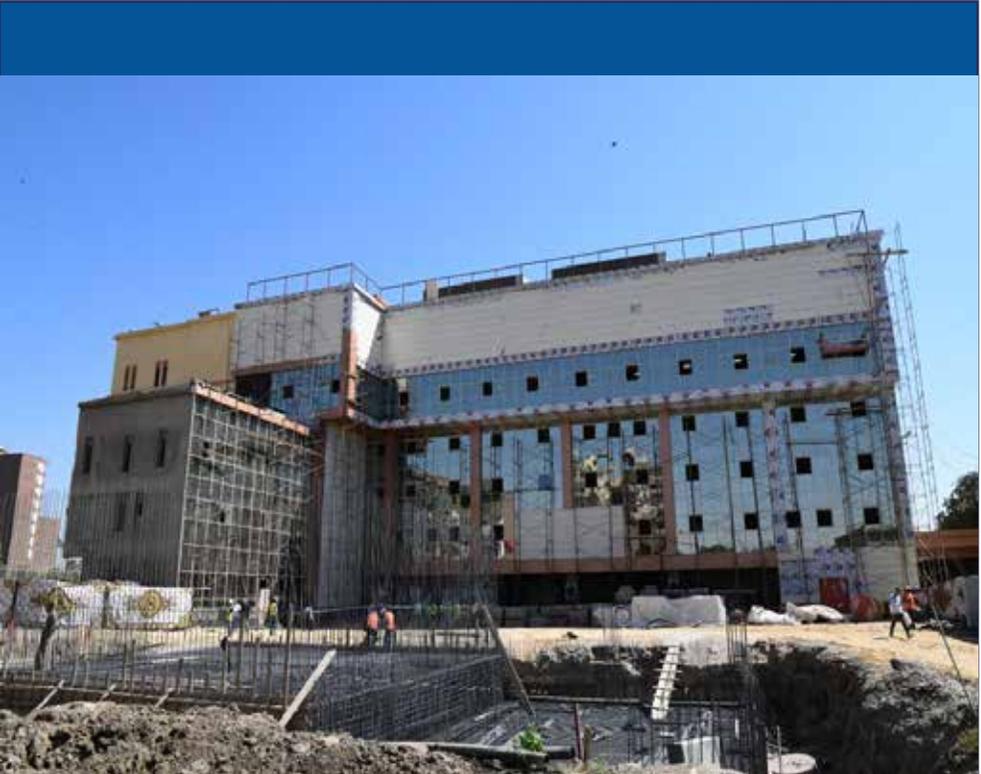
Downtown Cairo Building

- Scope of Work: Site Supervision for Renovation works of the building.
- Client: Cairo Governorate.
- Contractor: Al-Roaya Engineers& Contractors.



● Site: Cairo, Egypt





● Site: Qena, Egypt

Deshna Central Hospital

- Scope of Work: Preparation of Construction Documents, Quantity and Material Takeoffs, Document Control, and Budget Control.
- Client: Ministry of Health.
- Contractor: Al-Roaya Engineers & Contractors.
- Main Consultant: Gira Consult

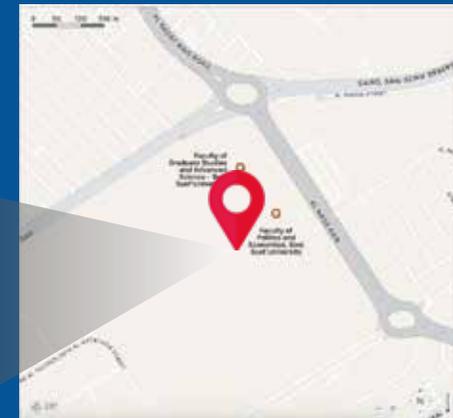
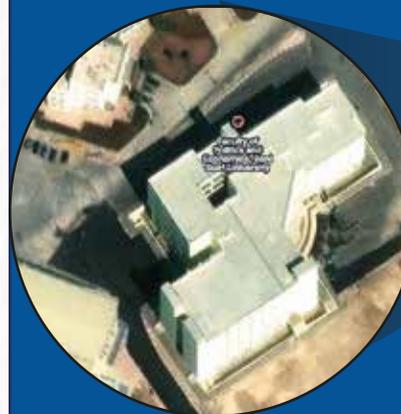


Faculty of Economics & Political Science

- Scope of Work: Preparation of Construction Documents, Quantity and Material Takeoffs, Document Control, and Budget Control.
- Client: Beni-Suef University.
- Main Consultant: Diao Consult.



● Site: Beni-Suef, Egypt

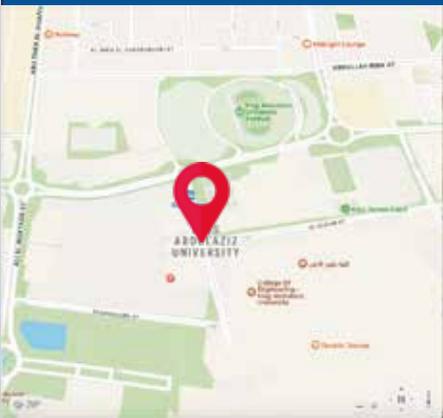


Our Clients >>



Jeddah King AbdulAziz Universty (Free Span Arch Bridge)

- Scope of Work: Design, and Shop Drawings of Steel Structures the Arch Bridge.
- Client: Jeddah King AbdulAziz Universty.



- Site: Jeddah, KSA

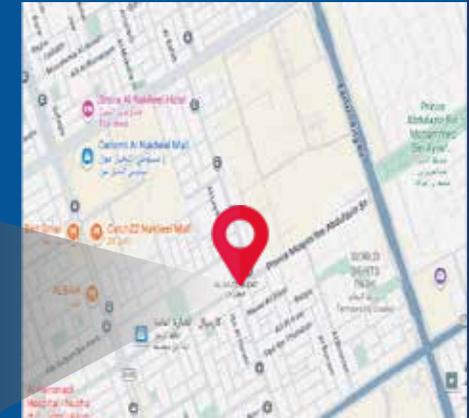


ADF Project

- **Scope of Work:** Preparing structural Design and calculations for curtain wall and skylight.
- **Main Contractor:** The United Arab Aluminium Company
- **Main Consultant:** Saudi Diyar Consultants



● **Site: Riyadh, KSA.**



Our Clients



دار الرياض
DAR AL RIYADH



DIYAR
Saudi Diyar Consultants

حديقة الملك سلمان
King Salman Park



BURO HAPPOLD



dar al-handasah
shair and partners



UNITED
ARAB
ALUMINIUM
COMPANY



Modern Building Leaders
شركة قادة البناء الحديث

جامعة الملك عبدالله
للعلوم والتقنية



King Abdullah University of
Science and Technology



مجموعة بن لادن السعودية
SAUDI BINLADIN GROUP



سعود كونسولت
SAUDCONSULT



Alsaad



أرامكو السعودية
saudi aramco



KHATIB & ALAMI



مدينة المعرفة الاقتصادية
Knowledge Economic City



CEGMAN
Consulting Engineering Group
Dr. Mohamed El Adawy Nassef & Associates



شركة أسواق البحر الأحمر المحدودة
Red Sea Markets Company Limited



Contacts 

Contacts

Main Office:

45 Kambez St., Nadi El seed,
Dokki, Cairo, Egypt.

Contact Info:

Tel:+20 1121400607
Tel:+20 1095992411
Tel:+966 569558138

Email:

info@iquniconsult.com

Website:

www.iquniconsult.com

Business Development:

Email: bd@iquniconsult.com

Human Resources:

Email: hr@iquniconsult.com

Facebook & LinkedIn:

iQuni Consulting

