URCU GRUP

CONSTRUCTION

KNOWLEDGE AND EXPERIENCE WITH GLOBAL NETWORK

INTRODUCTION

Progressed through the most important keystones of a company; leadership, team-work, trust and network, Urcu Group was founded in 2010, by gathering experienced and successful business fellows together. Started as a contractor in the Middle East region, the company excelled in construction by its fast, flexible and creative services, scoring quick success and reputation.

Urcu Group references grew throughout Iraq by the completion of many acknowledged projects. These accomplishments include housing, school, hospital & airport projects as well as main superstructures and infrastructures, both in nation-wide and global contracts. Thus, brought inevitable expansion in years to new sectors, such as oil & gas field support services, water treatment & recycling, wood-works & interior design, agriculture, international trade, aviation & technology. Today, Urcu Group has concentrated its workflow to existing activities and accumulating experiences for new horizons.

ABOUT TOLGA URCU

With a proactive approach, practicality and innovative actions in mind, Tolga Urcu is the CEO of Urcu Group for more than a decade, with many success stories and courageous efforts. After graduating from the worldwide prestigious TED College in Ankara, Turkey. Urcu finished management degree at East Mediterranean University.

After starting and ripening through various sectors, he started his construction business in Iraq. Throughout his presence in the region for over eleven years, the company completed numerous projects with much success. There are four ongoing large scale superstructure & infrastructure projects at the moment.

Tolga Urcu has become a reliable brand in the construction sector, managing the flagship company and its subsidiaries to present turn-key solutions.

REPUBLIC OF IRAQ
Ministry of trade
Registrar of companies

جمهورية العراق
وزارة التجارة
دائرة تسجيل الشركات

Foreign Companies Section
CD : 5167
Date :14/08/2017

قسم الشركات الأجنبية
م. ش : ٥١٦٧
التاريخ : ٢٠١٧/٠٨/١٤

أجازة تسجيل فرع شركة أجنبية

Registration License of Forgein Company's Branch

بناء على ما جاء بالقرار المرقم م. ش/ ٥١٦٧ والمؤرخ في ٢٠١٧/٠٨/٠٢ القاضي بتسجيل فرع في العراق لشركة:

اورجو جروب للطاقة المساهمة URGU GRUP

URCU GRUP ENERJI ANONIM SIRKETI

المؤسسة في تركيا

أني مسجل الشركات قررت الموافقة على تسجيل الفرع المذكور واصدرت هذه الاجازة أستناداً لاحكام المادة (3- خامسا) من نظام فروع الشركات الأجنبية رقم (2) لسنة2017.

صدرت في بغداد لليوم ١٤ من شهر آب لسنة ٢٠١٧ م

ملاحظة : ان منح هذه الشهادة لا يعني ممارسة النشاط بدون الحصول على الموافقات والتراخيص اللازمة من الجهات القطاعية المختصة.

عبدالعزيز جبار عبدالعزيز
مسجل الشركات/ وكالة
٢٠١٧ / ٨ / ١٤

90100721
الرقم الضريبي

ISO 45001:2018

Registered

CCPL

Registration Certificate

This is to certify that

The Management Systems of

URCU

URCU GRUP ENERJI A.S.

Carried out at following site:

Iraq - Baghdad – Jadria – Section 213 – Street 28/87

for their

OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM

ISO 45001:2018

Scope of Activities covered by this Registration:

General Contracting & International Trading of EPC & EPCC (Engineering, Procurement, Construction, Commissioning) & Oilfield Services, Mechanical Construction & Maintenance, Civil Works (Infrastructure, Road & Building Construction), Electrical Works (Transmission Lines & Substations), Water treatment & Recycling, Wood Applications & Interior Design, Agriculture, International Trade, Aviation and Technology

CERTIFICATE NO. : IAS/OH&S/E1066

ISSUED ON : 30/04/2020 1ST SURVEILLANCE DUE ON: 30/03/2021

VALIDITY DATE : 29/04/2023 2ND SURVEILLANCE DUE ON: 30/03/2022

THE VALIDITY OF CERTIFICATE IS SUBJECT TO REGULAR SURVEILLANCE AUDIT ON OR BEFORE ABOVE MENTIONED DATES AND IT'S ONLY VALID AFTER SUCCESSFUL SURVEILLANCE WITH CONTINUATION LETTER ISSUED BY CCPL

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AUTHORISED BY

CHAIRMAN / DIRECTOR

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THIS IS SINGLE-SITE CERTIFICATION

WWW.CARECERTIFICATION.COM

U.K. OFFICE : - KEMP HOUSE, 160 CITY ROAD, LONDON, EC1V2NX, UNITED KINGDOM

INDIA OFFICE : - 134 - A, 2ND FLOOR, TAIMOOR NAGAR, N.F.C., NEW DELHI - 110 065

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CCPL is accredited by International Accreditation Service (IAS) United States of America

ISO 14001 : 2015

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URCU GRUP ENERJI A.S.

Carried out at following site:

Iraq - Baghdad – Jadria – Section 213 – Street 28/87

for their

ENVIRONMENTAL MANAGEMENT SYSTEM

ISO 14001:2015

Scope of Activities covered by this Registration:

General Contracting & International Trading of EPC & EPCC (Engineering, Procurement, Construction, Commissioning) & Oilfield Services, Mechanical Construction & Maintenance, Civil Works (Infrastructure, Road & Building Construction), Electrical Works (Transmission Lines & Substations), Water treatment & Recycling, Wood Applications & Interior Design, Agriculture, International Trade, Aviation and Technology

CERTIFICATE NO. : IAS/EMS/E1054
ISSUED ON : 30/04/2020 — 1ST SURVEILLANCE DUE ON: 30/03/2021
VALIDITY DATE : 29/04/2023 — 2ND SURVEILLANCE DUE ON: 30/03/2022

THE VALIDITY OF CERTIFICATE IS SUBJECT TO REGULAR SURVEILLANCE AUDIT ON OR BEFORE ABOVE MENTIONED DATES AND IT'S ONLY VALID AFTER SUCCESSFUL SURVEILLANCE WITH CONTINUATION LETTER ISSUED BY CCPL

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MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT IAF

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PERFECTION · COMMITMENT · PCMS

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URCU GRUP ENERJI A.S.

Iraq - Baghdad – Jadria – Section 213 – Street 28/87

for their

Petroleum, petrochemical and natural gas industries service supply

ISO 29001:2010

For the following scope

General Contracting & International Trading of EPC & EPCC (Engineering, Procurement, Construction, Commissioning) & Oilfield Services, Mechanical Construction & Maintenance, Civil Works (Infrastructure, Road & Building Construction), Electrical Works (Transmission Lines & Substations), Water treatment & Recycling, Wood Applications & Interior Design, Agriculture, International Trade, Aviation and Technology

Certificate no.	:	EUAC/PNGSS/B1003-2020
Issued on	:	30/04/2020
Validity Date	:	29/04/2023
1st Surveillance Due On	:	30/03/2021
2ND Surveillance Due On	:	30/03/2022

THE VALIDITY OF CERTIFICATE IS SUBJECT TO REGULAR SURVEILLANCE AUDIT ON OR ABOVE MENTIONED DATES AND IT'S ONLY VALID AFTER SUCCESSFUL SURVEILLANCE WITH CONTINUATION LETTER ISSUED BY PCMS.

AUTHORISED BY
CHAIRMAN/DIRECTOR
P.C. MANAGEMENT SYSTEM PVT. LTD.

TO VERIFY THIS CERTIFICATE STATUS PLEASE VISIT ACCREDITATION BOARD WEBSITE www.europeanaccreditationservices.com

European Accreditation Services
Acc No.:- EUAC110

MEMBER GLOBAL GCF CONFORMITY FORUM

ISO 29001 : 2010 Certified Company

U.K. Office : Kemp House, 160 City Road, London, EC1V2NX, United Kingdom
India Office : 134 - A, 2nd Floor, Taimoor Nagar, New Friends Colony, New Delhi - 110 065
www.pcmsworld.com

ISO 31000 : 2018

Registration Certificate

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URCU GRUP ENERJI A.S.

Iraq - Baghdad – Jadria – Section 213 – Street 28/87

for their

RISK MANAGEMENT

ISO 31000:2018

For the following scope

General Contracting & International Trading of EPC & EPCC (Engineering, Procurement, Construction, Commissioning) & Oilfield Services, Mechanical Construction & Maintenance, Civil Works (Infrastructure, Road & Building Construction), Electrical Works (Transmission Lines & Substations), Water treatment & Recycling, Wood Applications & Interior Design, Agriculture, International Trade, Aviation and Technology

Certificate no.	:	EUAC/RM/1003-2020
Issued on	:	30/04/2020
Validity Date	:	29/04/2023
1st Surveillance Due On	:	30/03/2021
2ND Surveillance Due On	:	30/03/2022

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European Accreditation Services
Acc No.:- EUAC110

MEMBER GLOBAL GCF CONFORMITY FORUM

ISO 31000 : 2018 Certified Company

Address : Kemp House,160City Road,
London, EC1V2NX, United Kingdom
www.pcmsworld.com

ISO 9001 : 2015

Registered

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URCU

URCU GRUP ENERJI A.S.

Carried out at following site:

Iraq - Baghdad – Jadria – Section 213 – Street 28/87

for their

QUALITY MANAGEMENT SYSTEM

ISO 9001:2015

Scope of Activities covered by this Registration:

General Contracting & International Trading of EPC & EPCC (Engineering, Procurement, Construction, Commissioning) & Oilfield Services, Mechanical Construction & Maintenance, Civil Works (Infrastructure, Road & Building Construction), Electrical Works (Transmission Lines & Substations), Water treatment & Recycling, Wood Applications & Interior Design, Agriculture, International Trade, Aviation and Technology

CERTIFICATE NO. : IAS/QMS/E1290

ISSUED ON : 30/04/2020 1ST SURVEILLANCE DUE ON: 30/03/2021

VALIDITY DATE : 29/04/2023 2ND SURVEILLANCE DUE ON: 30/03/2022

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CCPL is accredited by International Accreditation Service (IAS) United States of America

CORE BUSINESS LINES

»» Main Areas of Activity

- Consulting Engineers (Civil, Electrical, Mechanical, Financial, Auditing)
- Construction and Erection (Civil and MEP)
- Facilities Operation and Maintenance

AREAS OF EXPERTISE

» Power Plants
- » Thermal (gas, coal, liquid fuels)
- » Geothermal
- » Biomass to Energy
- » Waste to Energy

» Water Resource Development
- » Hydroelectric
- » Pumped Storage
- » Irrigation and Reservoirs
- » Water Treatment and Desalination

» Renewables
- » Wind
- » Solar (solar farm, institutional rooftop, residential rooftop)
- » Small Hydroelectric

» Oil & Gas
- » Refineries Geothermal
- » Pumping and Compressor Stations

» High Performance Buildings
- » Data centers
- » Hospitals and health care
- » Stadiums

» Industrial Facilities

ENGINEERING PROCURMENT & CONSTRUCTION

EPC Activities

- Project planning and scheduling
- Interface management with existing facilities and utilities
- Site grading and preparation
- Selection of suitable construction technologies and optimization of workflow
- Manpower resource management
- Civil works
- Mechanical and electrical erection
- Testing and start-up
- Commissioning and performance testing

Project Services

- Lump sum and partial scope contracting
- Method statements
- Supervisory services on behalf of owner
- QA/QC Management
- HSE Management
- Performance testing supervision
- Construction and lifting equipment supply
- Specialized labor
- Worksite supervison

WASTE to ENERGY (WtE)

Waste is a resource, not a nuisance. WtE offers a business oppurtunity for financial benefit and increased competitiveness in an environmentally sustainable manner.

Urcu supports the goal of a circular economy which benefits us by retaining for, as long as possible, the value of products, materials and resources circulating in the market and minimizing the wate and comsumption of resources. After the initial separation of materials for recycling and reuse within the waste, conversion to energy of the remainder through WtE supports green and efficient energy production and elimination of the health hazards and environment demage of landfill dumping.

Intelligent waste management requires we prioritization recycling and reuse and carefully consider the technology to utilize the remaining waste.

Overall efficiency needs to be optimized when converting the remaining organic and inorganic solid waste into electricity, heat and secondary by-products such as compost and fertilizer. Conceptual design also includes forecasting the availability of feedstock will change over the life of the facility. Environmental stewardship is mandatory, especially regarding noise and odor which impact on social acceptability of the envisaged facility.

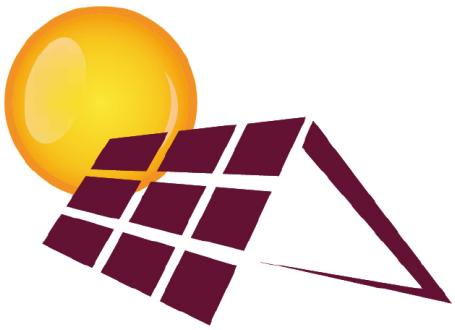
Urcu's services include conceptual design, detailed engineering and EPC Management.
Waste conversion processes include:

- Thermochemical Conversion; Combustion, Gasification, Pyrolysis
- Biochemical Conversion; Fermentation, Anaerobic Digestion

SOLAR POWER PLANT (SPP)

»» Urcu Services for Solar Power Projects

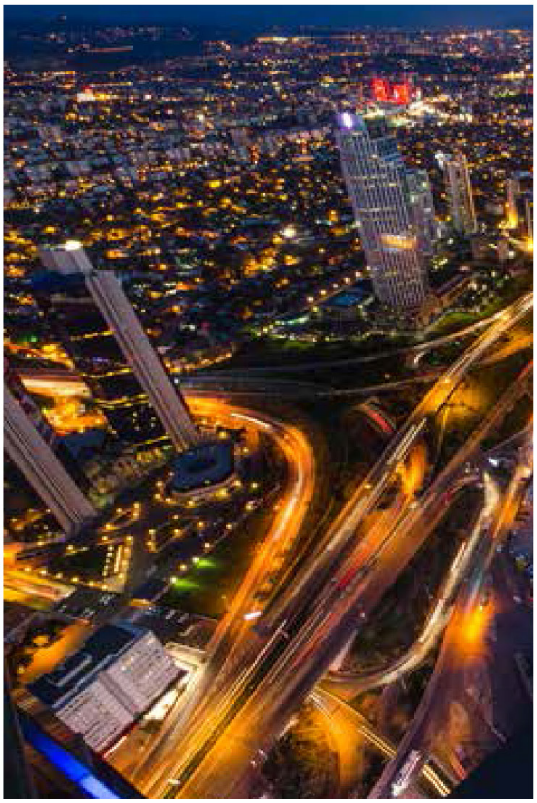
- Solar Power Plant (SPP) Project development (from greefield throught commissioning)
- Project due diligence reports
- Preliminary surveys and studies
- Feasibility studies
  Reports for Generation License Applications
- Civil works and equipment construction,
- testing and commissioning
  Reports for financial institutions
  Preparation of bidding documents and technical specifications
  - » Administrative specifications
  - » Technical specifications
  - » Bid analysis; technical and commercial



TRANSMISSION & DISTRIBUTION

Transmission and Distribituon Systems

- Master plans
- Load flow and stabilty analysis
- Economic optimization
- Route idenfication and expropriation support
- Environmental impact and assessment studies



We Design and Build Electric Transmission and Distribution Systems

We provide design, engineering and consultancy services for networks including revision of current substations for transmission and distribution companies and industrial facilities.

Engineering and design for the rehabilitation and reconstruction of existing systems.

Substations, low voltage distribution, transformer kiosks, concrete, wood and steel electrical towers, medium voltage distribution, overhead and underground distribution, lighting, grounding, lightning, metering, remote billing systems and SCADA.

SOME OF COMPLETED PROJECTS

ROADS, BRIDGES & MOTORWAYS

MOTORWAY PROJECT

The Bramany Motorway Project is a modern, high speed motorway extending 415 kilometres from the city of Brasov in central Romania through the major cities of Targu Mures, Cluj-Napoca, Zalau and Oradea and ending at Bors in the north eastern part of the country on the Romanian- Hungarian Border. URCU Grup scope comprised of design and construction of two sections of 112 km of Autostrada Transylvania.

The Transylvanian Motorway has a critical significance in connecting Romania to Western Europe and constitutes one of the fundamental parts of the country's motorway system. The motorway plays an important role in the integration of the Romanian economy to the European economic system serving as a major link between the European and Central Asian markets.

URCU GRUP'S scope comprised of design and construction of two sections of 112 kilometres of Autostrada Transylvania. These Sections of the motorway are passing through varying terrain including plains, hills, mountains and valleys requiring the design and construction of more than 60 structures such as bridges and viaducts with a total length of 9,000 meters to facilitate the passage of the motorway.

Muddy and weather sensitive soil conditions were the specific construction challenge which required adopting specific construction and execution methods in order to achieve quality and schedule planned. Quick construction of piles is another significant feature of the project. The monthly peak value of pile construction was 17,345 piles.

The motorway project yields substantial economical returns for Romania. The road eased traffic jams, improved safety, and opened up the country to new possibilities for tourism and trade.

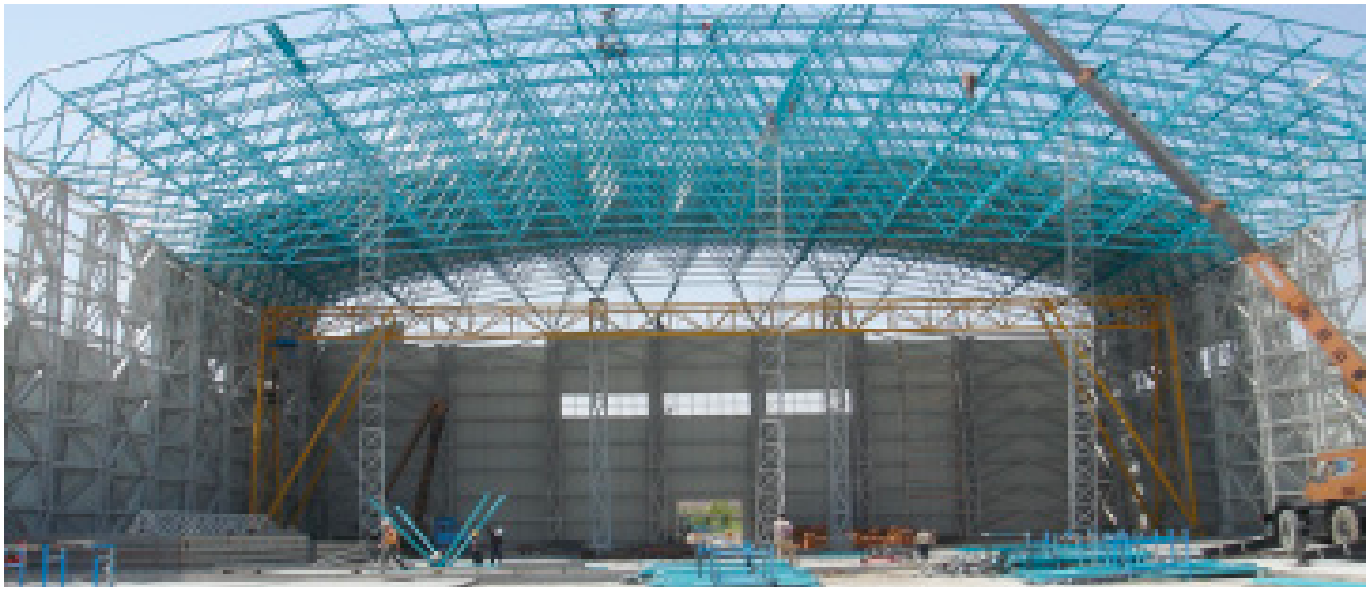
BRIDGE & INTERSECTION PROJECTS

The total length of the bridge is approximately 135 m, and it weighs 330 tonnes. Each of the approach bridges is 35 m long. The very first sketches were developed by Urcu Grup during the previous office partnership. The new design of the arched truss bridge is in harmony with its surroundings so that those elements that could not be changed, or could only have been changed at great expense, could be integrated into the planning.

The overhead lines remain, while the new bridge has been constructed more than 3 m from the pylons carrying the overhead line. This substantial distance from the pylons means that the straight foot and cycle path on the old bridgework has to be connected to the new bridge by means of curved approach bridges. The curved radii design of these parts of the bridge enables a dynamic connection between the suspended bridge and the existing embankment ramps; this is ideal for cyclists.

The intermediate supports of the new bridge are small enough to impose no limitations on the surroundings. The supporting columns of the truss bridge and the approach bridges are integrated into the inclined ground profile of the embankments. The superstructure is supported by a welded structure made from tubular steel with composite rectangular cross-sections. The horizontal and vertical main support tubes have a square cross section of 450 x 450 mm. The diagonal tension members.

AVIATION PROJECTS



Enhanced levels of insulation mean the project has achieved Passive House level performance standards. Energy consumption in the new expansion has been cut by more than 50% compared to the existing terminal.

The expansion doubles the size of the existing terminal building with the addition of a new, 300m long pier. Nordic continued the timeless architectural expression and rational simplicity of the original airport – which the practice designed in 1998 - whilst introducing new design elements to enhance the passenger experience. Nordic also updated the existing train station, which sits at the heart of the airport enabling 70% of all passengers to access the airport by public transport.

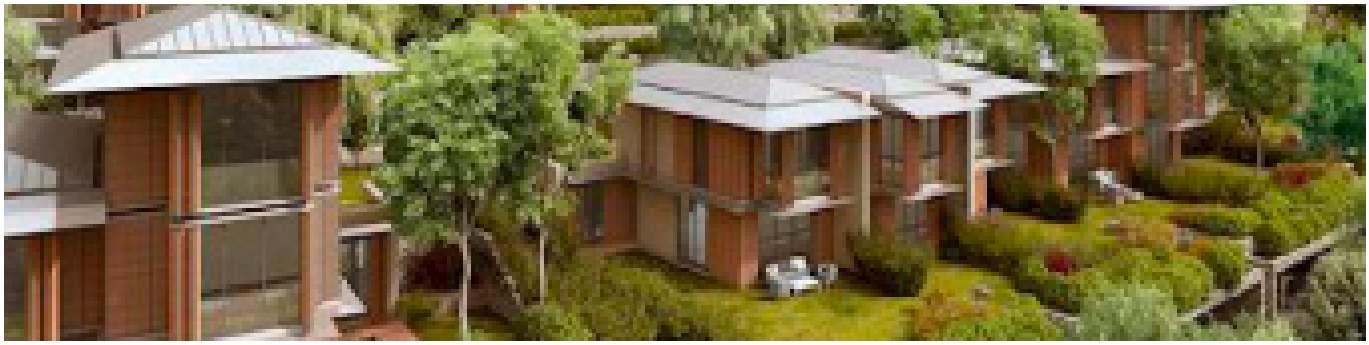
HOUSING PROJECTS

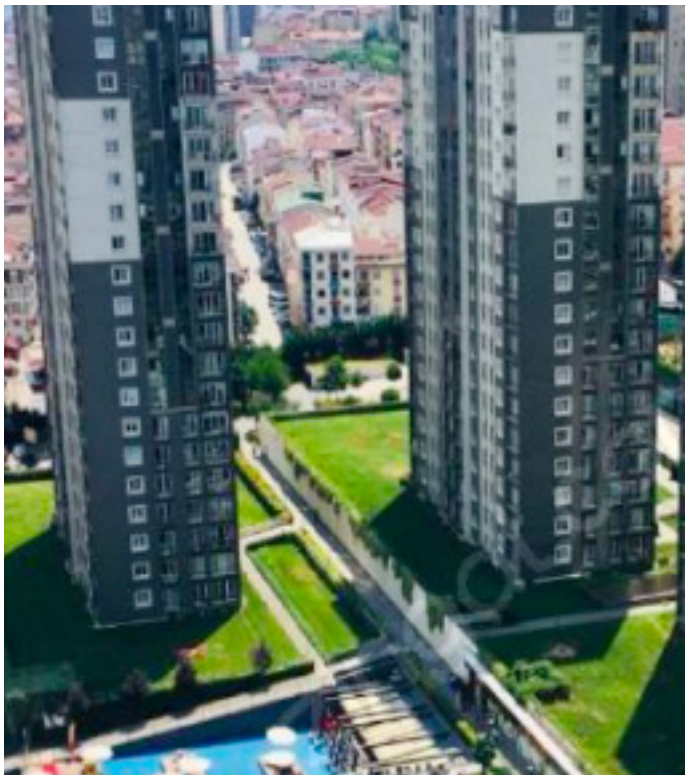
This project was born from a competition launched in 2007 by the developer Bremond in partnership with Real Estate, for the creation of an exemplary district on the Ile Saint-Denis. We won this competition in partnership with the Dutch urban planners West 8 and some other architectural firms. The private developer had subsequently sold the development of the ZAC to a public developer, Plaine Commune.

The operation is in the future eco fluvial area of the island-Saint-Denis, in the location of the former warehouses. The site is a developing district with the Creation Cluster. The PA3 lots, PA4 and PA5 forms the first “island PA” of the “ZAC Bi-Sites / Printemps”. The developer of the ZAC is Plaine Commune Habitat, and the actual planner is Philippon-Kalt urban architects.

The building has 8 superstructure levels (R + 7 and mezzanine) with some duplex accessible from the 7th level, and no infrastructure level. On the ground floor, two private courtyards traverses the island, to provide visual and functional permeability between the dock and the Allée des Arts. Arranged on the streets, docks and inside the courtyards, workshops and retails are wide open to the public space. The repeating pattern of wood joinery and large windows mark the unity of the ground floor.

At the center of the plot, a patio complete outdoor spaces. The patio will bring a green atmosphere in the heart of the island, and will be complemented by planted rooftops of the workshops (workshop in the case of PA3). The open ground areas represents: 14% of the area of the plot, which is 223m². They will be vegetated by lawns, ground covers (grasses, flowers), shrub hedges. These planted areas will respect the PLU and the specifications of the urban planner.





Having analysed the opportunity to rehabilitate the existing buildings, which proved to be inconclusive, and to respond to a shortage of low-rent housing, the owner organized an architectural competition for the construction of 335 new affordable apartments.

The project reinterprets the former construction's planning principles, which can be described as living in a park. Seven new compact buildings are freely disposed in-between the existing trees, which are preserved. They define quality outdoor spaces, providing residents great visual relationships with both buildings and landscape.

The project forms a homogeneous whole. Each building acquires singularity by varying the positions and dimensions of the windows. Developed from three concentric structural rings, each floor receives different typologies of apartments, from one to five rooms. The latter are distributed by generous entrance halls characterizing the proposed typologies. On this principle, eight different floor plans are stacked and then redistributed at different levels in each building.

The two plots selected for the development are a good illustration of the challenge. The housing is divided into housing blocks that are look onto public space and face the eight-storey towers between them and the motorway and a square, but in the centre of the block are houses of the same dimensions as the existing detached houses.

The flats occupy the full width of the building and open onto loggias that look out over the landscaped central garden. Optimising the layout of the apartments has made it possible to offer large main living spaces. Storerooms adjoining the loggias provide tenants with versatile extra storage space. The roofs of the smaller blocks are occupied by tops of the split-level apartments. A built strip along the square accommodates a number of three-storey flats. Its slate-grey façade is screened by a row of trees planted in a landscaped hollow, and is studded with balconies. Here too the apartments run from one side of the building to the other, with daylight and natural ventilation entering from the heart of the block.

There are open staircases that cut through the buildings. Aside from offering views of the inside of the blocks, these openings let sunlight into the street and provide natural aeration and ventilation to the flats' toilets and bathrooms. Breaking up the street side of the buildings helps to recreate the varying heights of the neighbouring buildings.

The three-storey town houses have the most spacious dimensions of all. Their tall blocks are split to cast light into the bathrooms and onto the staircase landings. The outside of the blocks is a slate-grey colour to ensure that the plants stand out rather than the buildings. The gaps between the blocks are white to let light in and to bring life to the garden.

The ground-floor roofs of the houses are generously greened to enhance the natural feel of the central court.

The project regards the expansion and the renovation of a farm in the Sicilian hillside, on the slopes of Volcano Etna. The design effort aimed to respect the existing architecture and at the same time to search for a global image. Several features of the local tradition come into play, creating many points of contact between old and new: simple forms and few materials interact with the historical context.

The concept aimed to create a large and unique space, a core for the whole house. Thus it was conceived the idea of suspending the vaults to free the area below from the interior partitions. The intervention, arduous and delicate, is achieved through the insertion of a steel truss, hidden under the roof and connected to the vault by tie rods.

WATER & WASTEWATER TREATMENT

BIOMODUL is a modular package biological treatment system designed for domestic and industrial wastewater treatment, including balancing, biological oxidation / precipitation and sludge stabilization.

BIOMODUL is transported to a population of 50-2,000 people, and it i s produced in 12 different structures with a capacity of 10 - 400 m3 / day as a steel construction wastewater treatment plant. BIOMODUL is a different application of the activated sludge process working with the principle of continuous input and discrete output.

BIOMODUL is designed on the principle of fully automatic operation with synchronous operation on the control panel and programmable periodic time control system. Each period consists of ventilation, sedimentation and evacuation phases. The biological process has the ¸exibility to work in accordance with the purpose of nitrification / denitrification and phosphorus removal.

BIOMODUL, difuser or pump-eductor works with complete mixing and ventilation systems.

BIOKOMPAKT-MULTI is a different application of the continuously working biological active sludge system designed for the purification of domestic BIOKOMPAKT-MULTI consists of 3 equivalent activated sludge reactors, which are the combination of ventilation / precipitation processes. 3 rectors are equ-ipped with ventilation system, and 2 reactors are equipped with sluices for discharge water discharge. Wastewater is fed to 3 reactors periodically, the transition between the reactors is provided through common screens. Excess sludge formed in the system is removed from 2 reactors. BIOKOMPAKT-MULTI is applied for advanced biological nitrogen / phosphorus removal processes.

Customer: Aksan Akrilik A.Ş.
Wastewater Treatment Plant Artillery Yalova / Turkey

2400 m3 / day Biological Treatment + Sludge Dewatering Year 2018

Service Scope Process:
Biological Wastewater Treatment Plant Units:

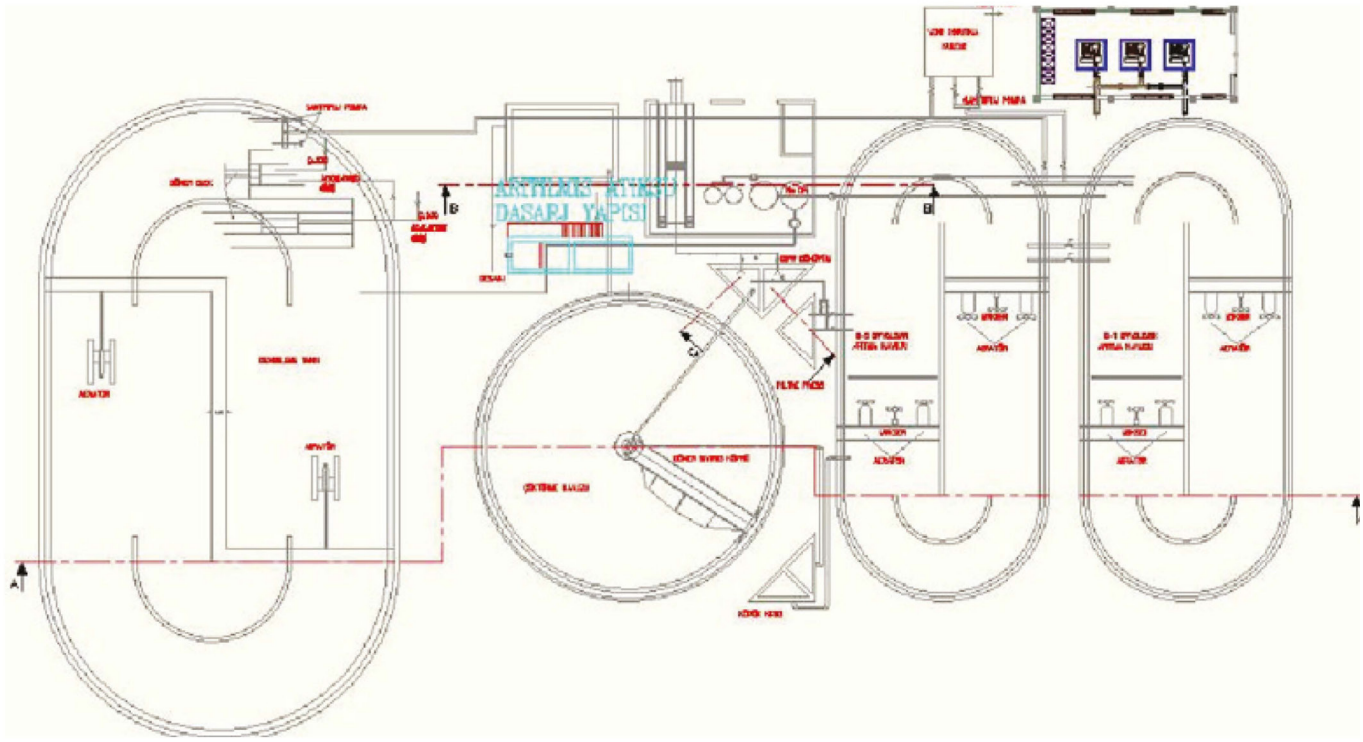
- » Balancing and Promotion Pool
- » Ventilation Pool
- » Sedimentation Pool
- » Mud Pool
- » Sludge Dewatering (Filtrepres)

Technicial Specifications
Equivalent Population: 32000 People

Organic Loading: 1920 kg BOIS/ day
Wastewater Flow: 32400 m3 I day Treated

Wastewater Features:

- » KOi: 350 mg/ I
- » NH4-N: 5 mg/ I
- » Free Chlorine: 0.3 mg/ I
- » TCr: 2 mg/ I
- » S-2: 0.1 mg/ I
- » Sulfite: 1 mg/ I
- » Oil & Grease: 1 O mg/ I
- » ZSF: 4
- » pH: 6 - 9



Customer: Bodrum Konaclk Municipality Wastewater Treatment Plant
Muğla/ Turkey

10,000 Equivalent Population (Current) + 15,000 Equivalent Population (Future) Advanced Biological Wastewater Treatment Plant - Membrane Bio reactor (MBR)
Year 2018

Service Scope Process:
Membrane Bioreactor Units Containing Ultrafiltration:

- » Ventilation Pool
- » Anoxic Pool
- » Balancing and Promotion Pool
- » Membrane Bioreactor Pool
- » Mud Pool
- » Sludge Stabilization and Concentration Pool Sludge Dewatering (Decanter Centrifuge) Purified Wastewater Pool

Technicial Specifications

Equivalent Population: 10000 People (Current) + 15000 (In the Future)

Organic Loading: 600 kg BOIS / day

Wastewater Flow: 1500 m3 / day

Wastewater Features:

- » BOIS: <10 mg
- » KOi: 25 mg
- » AKM: 10 mg
- » AKM: <10 mg

Customer: Yılteks Tekstil A.Ş.
Çorlu / Tekirdağ

1500 m3 /day Chemical + Bilogical + Sludge Dewatering
Year 2017

Service Scope Process:

- Pre-Treatment
- Neutralization
- Biogical Treatment
- Chemical Treatment
- Mud Concentration & Dewatering

Units:

- Grill Channel
- Pre-settling Pool
- Neutralization Pool
- Ventilation Pool
- Final Sedimentation Pool
- Pump Pool
- Cogulation & Flocculation Tank
- Chemical Sedimentation Pool
- Mus Concentration
- Sludge Dewatering

Technicial Specifications

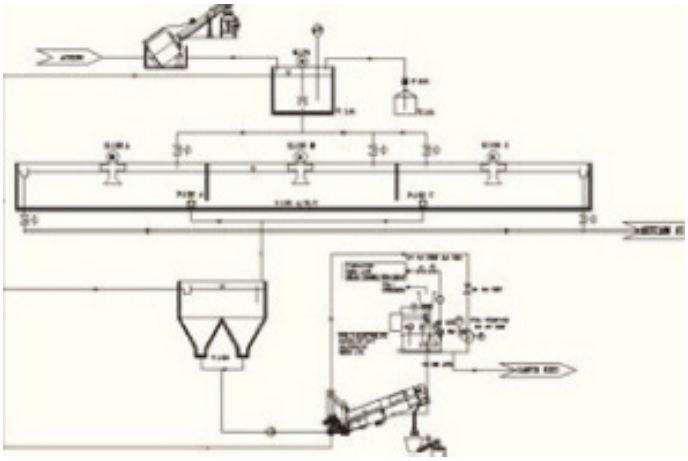
Equivalent Population: 47.000 People

Organic Loading: 2800kg

Wastewater Flow: 4000 m3 I day

Wastewater Features:

- BOIS: 90 mg/ I
- KOi: 400 mg/ I
- AKM: 1400 mg/ I



Customer: T&C Garments Corn Wastewater Treatment Pia nt

3000 m3 / day Activated Sludge Reactor
Year 2017

Service Scope Process:
Activated Sludge Reactor Units:
Physical Treatment:

- » Pumice Stone Holding Pool
- » Neutralization Pool

Biological Treatment:

- » Aeration/ Sedimentation Pools Sludge Treatment and Dewatering
- » Mud Pool
- » Sludge Dewatering

Technicial Specifications

Equivalent Population: 47.000 People

Organic Loading: 2800kg
Wastewater Flow: 3000 m3 / day

KOi: 1200 mg

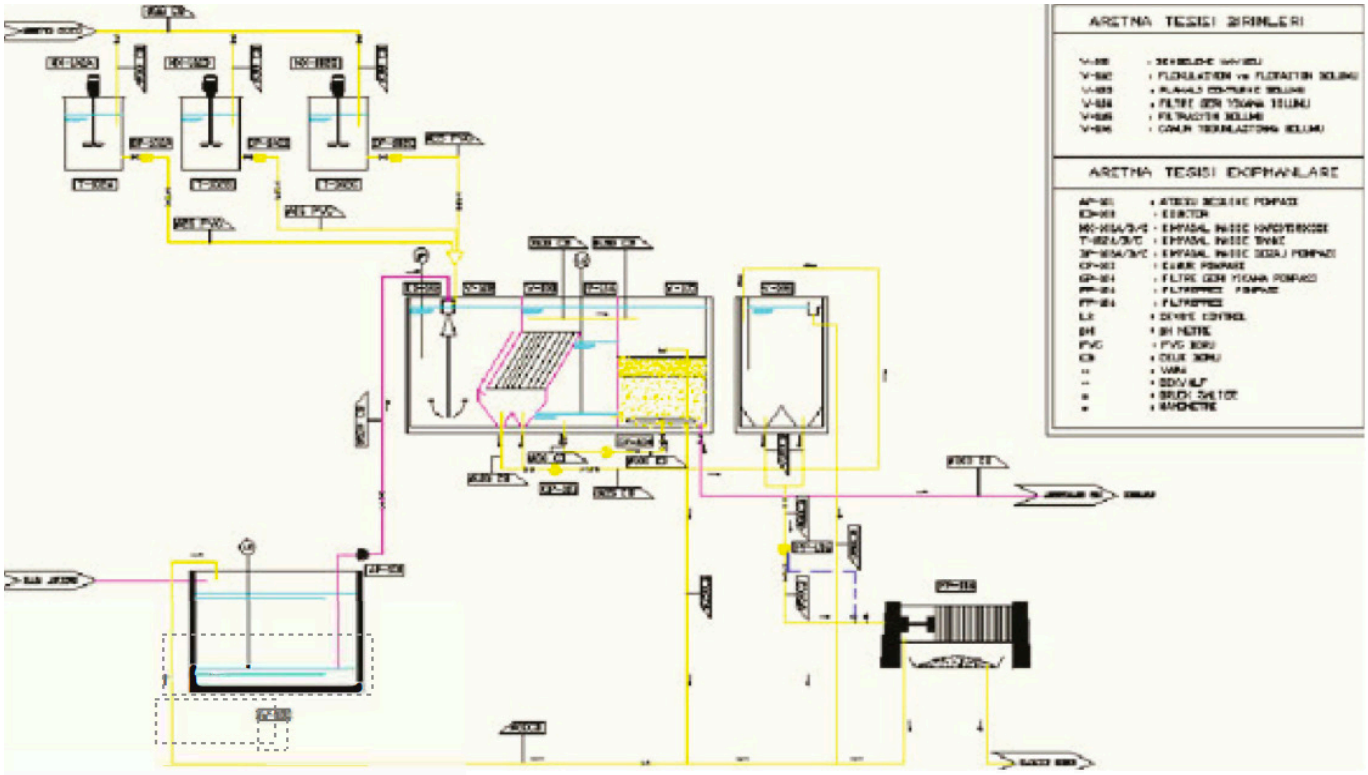
Wastewater Features:

- » BOIS: 600 mg
- » SS: 350 mg (after pumice stone basin)
- » Total Chromium: 1 mg I I Phenol: 0.5 mg
- » ZSF: 3
- » pH: 5 - 6
- » Temperature: 70 °C

Treated Wastewater Features:

KOi: Monitor Only

- » BOIS: 30 mg
- » SS:30
- » Pb: 0.1 mg
- » Cu: 0.25 mg
- » Hg: 0.01
- » Zn: 1
- » Cd: 0.01 mg
- » pH: 6 - 9



SPORT COMPLEXES

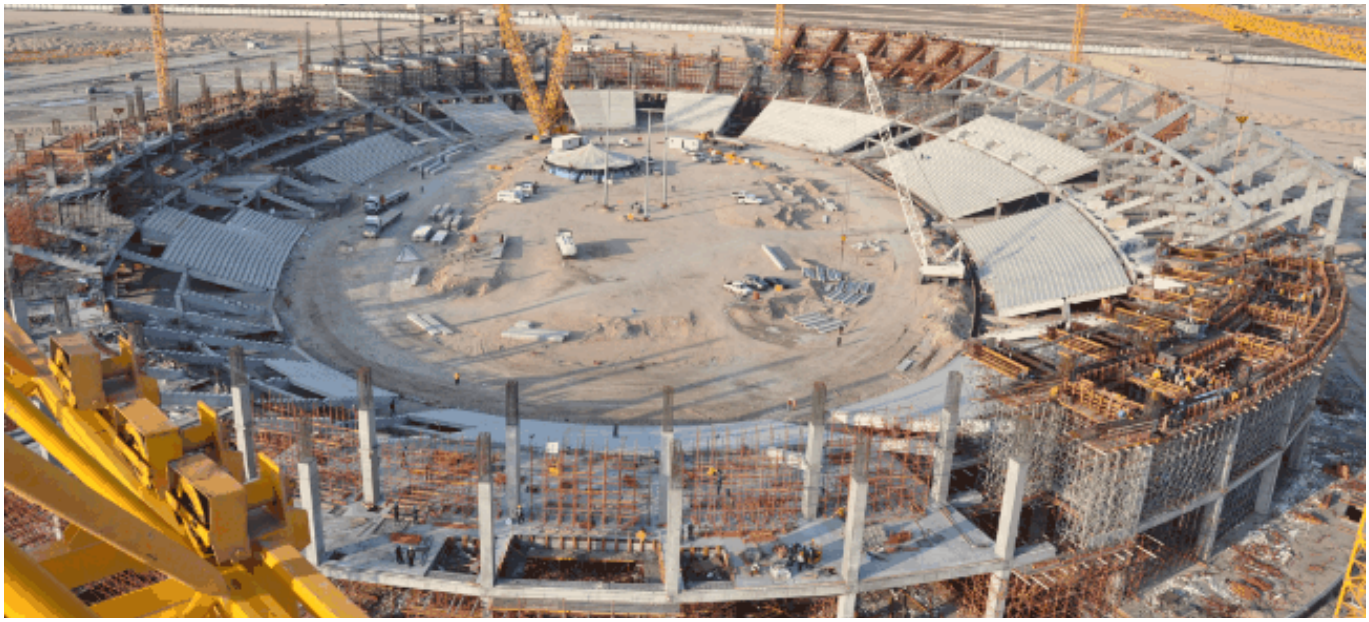
BASRA AL MINA STADIUM (30.000 seats)

The planning and feasibility phase is a crucial element to the development process of a new stadium. With careful research, analysis and planning a stadium concept can be successfully developed and transferred into the design, construction and operation phases. The market and financial feasibility study is the most important step in the initial planning phase of the development process.

In the eight months set aside for planning and construction, a multi-functional arena was created which will serve the city as a prime venue for a variety of events for many years to come. In order to facilitate the implementation of the highly complex structure in just 8 months, the building was designed in three main elements: the modular stadium, an interior roofing structure, and a sophisticated outer shell. The building was designed entirely as a steel structure. Basra Al Mina Stadium offers space for 30.000 spectators and complies with the most stringent international standards and requirements for the hosting of major cultural, football and athletic events.

BASRA SPORTS CITY (65.000 seats)

The construction of Basra Sports City itself, as well as the VIP zone with turnkey suites, media and press rooms, had to meet stadium standards and regulations. The timeframe for construction of this stadium is unprecedented in the history of modular construction. The typical build time for a modular stadium can be from 6 to 15 months. A stadium with a capacity for up to 65.000 spectators can be key-ready within just 12 months – from the initial design to its final handover.



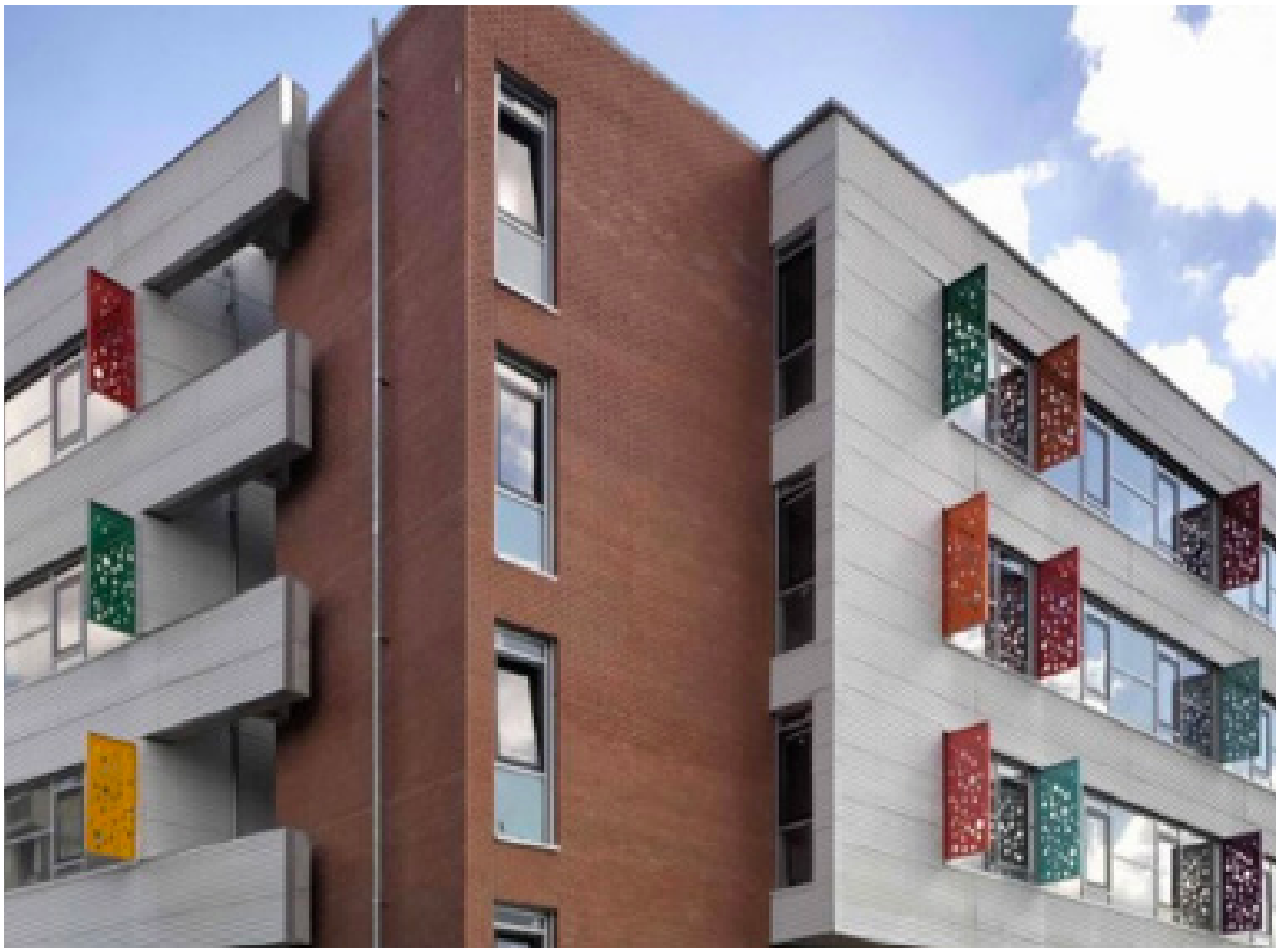
A very important aspect here are the very short procurement times for construction elements, and the significantly shorter planning and installation phases. Significant time savings are an important factor, and will also allow the fast and simple addition of further capacities in the off-season. The key advantages of the modular stadium concept lies in its adaptability – the modules are easily retrofitted to accommodate additional space requirements.

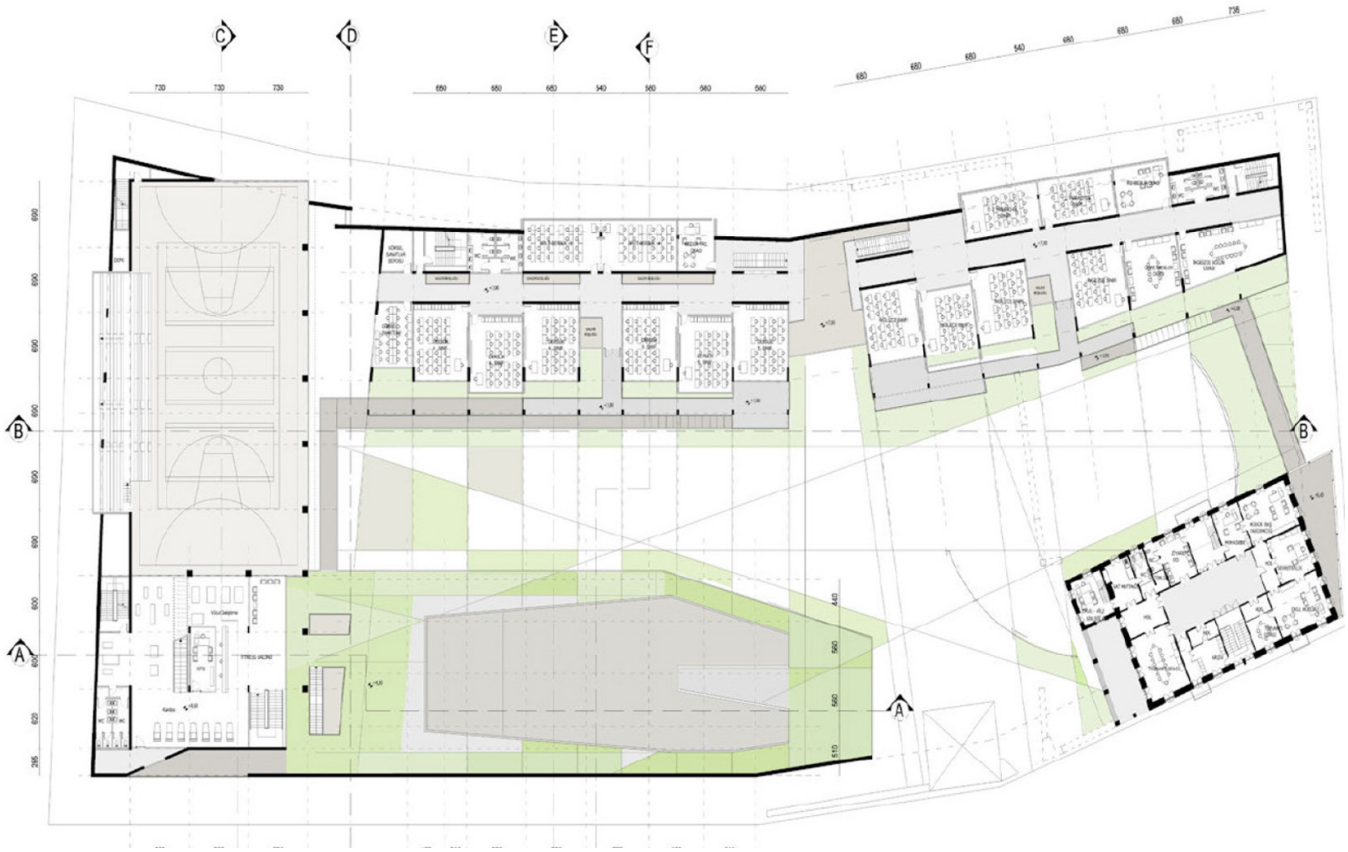
SCHOOL PROJECTS

Urcu Group reveals the difference in school contructions which have similar features with housing contructions but differ in some tecniques.

With our expert and experienced staff in all the applications made according to the project specifications and contruction specifications, our high quality fast and an-time deliveries have always been a source of pride for our company by keeping their work safety and environmental awareness at a high level.

We produce quality solutions by combining our past knowledge and experience with today's technologies.

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ONGOING PROJECTS

1 BASRA LOW COST HOUSING PROJECT

2 BASRA 24 CLASSROOMS SCHOOL PROJECT

3 BASRA POLICE STATIONS PROJECT

4 BASRA SPORTS CITY AIRPORT EXPRESS ROAD

5 CNOOC FIRE STATION / WORKSHOP
BEZIRGAN OIL FIELD

6 NASIRIYA 30.000 SEATS CAPASITY
OLIMPIC STADIUM

7 NASIRIYA BRIDGE PROJECT

8 NASIRIYA ALSHOMALI BRIDGE PROJECT

9 NASIRIYA ICE FACTORY BRIDGE PROJECT

SCHOOL PROJECTS (Basra / IRAQ)


TADANO

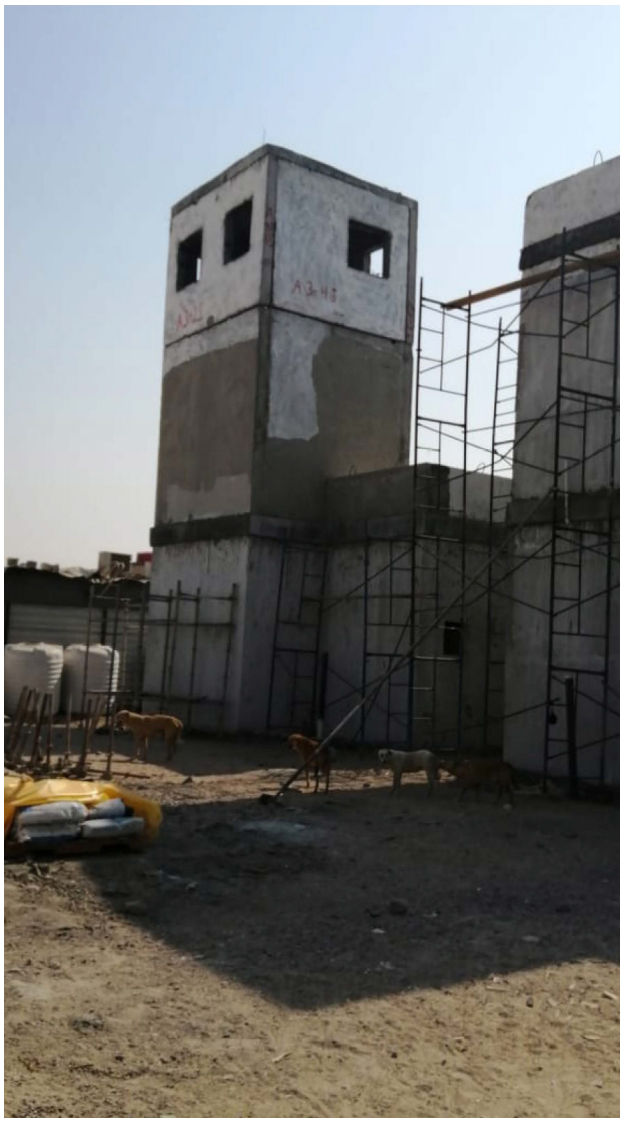

مدرسة المطيحة الابتدائية للبنات
تأسست سنة 1931

POLICE STATIONS (Basra / IRAQ)


TIGERPLEX
KH


P3F


6f
6f




قسم
شرطة الرباط
مركز
شرطة نظران

NASIRIYA BRIDGES

HEAVY EQUIPMENT PARK

Picture	Type	Year	Model	Details	Fuel Type
	TOWER CRANE	2008	POTAIN MC235B - S/N	TAILED TOWER 65 MT HORIZONTAL BOM	ELECTRICITY
	TOWER CRANE	2005	LIEBHERR 120. K1	TAILED TOWER 50 MT HORIZONTAL BOM	ELECTRICITY
	MOBILE CRANE	2017	ASELKON 35 T	44 MT WITH BOM 35 TONS CAPACITY MOBILE	FUEL
	MOBILE CRANE	2017	ASELKON 75 T	54 MT WITH BOM 75 TONS CAPACITY MOBILE	DIESEL
	SOIL ROLLER	2012	BOMAG BW216D-4	16 TON VIBRATING	DIESEL
	HAND CYLINDER	2012	MDR- 700		
	LOADER	2012	VOLVO L 180 G		DIESEL

Picture	Type	Year	Model	Details	Fuel Type
	BACKHOE LOADER	2013	JCB4CX 14H3WM	CRAB WALK	DIESEL
	BACKHOE LOADER	2007	NEW HOLLAND B1 15 4PS	CRAB WALKING AND CRUSHER EQUIPMENT	DIESEL
	BACKHOE LOADER	2011	NEW HOLLAND B1 15	CRAB WALKING AND CRUSHER EQUIPMENT	DIESEL
	EXCAVATOR	2014	VOLVO EC380 DL	TRACKED 40 TONS	DIESEL
	EXCAVATOR	2012	CATERPILLAR 336 D	TRACKED 35 TONS	DIESEL
	FINISHER	1999	ABG	TİTAN 423	DIESEL
	FINISHER	2011	V...GELE	V...GELE 1900-2	DIESEL

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