



Power & Water



Technical Capability and Experience

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/// United Infrastructure Projects

United Infrastructure Projects (UIProjects) is a Design/Build Contractor operating internationally in challenging environments. We have a proven 15-year track record on over \$700 Million worth of projects. UIProjects is a regional player with established presence in Afghanistan, Bahrain, Djibouti, Kenya and Lebanon with additional support offices in Lebanon, and UAE. In Afghanistan alone, UIProjects has successfully completed over 140 projects across 200 sites. We deliver complex projects to our clients within budget and on schedule.

In addition to full Design/Build services, we provide client tailored design and procurement services for any project. Our expertise lies in the following industries: Buildings, Roads, Bridges, Airports and Utilities, including Energy & Water solutions. We have completed these types of work for clients such as the U.S. Corps of Engineers, USAID, ISAF, NAVFAC, SOCCENT, UN, the World Bank and AFCEE. Our value proposition lies in our ability to leverage and ensure local capacity while maintaining international standards.

In the last 6-years, our Energy & Water business has grown to our current \$83 million backlog. We developed our skills and experiences with the help of our industry established partners, Faremco and Water & Power Engineering (WPE). Faremco has 40 years experience in designing, manufacturing, and constructing generation, transmission, and distribution projects totaling over 500 MW. UIProjects' JV with Faremco has completed 50 MW generation projects, as well as tens of kilometers of transmission and distribution networks. WPE has total regional experience on waste water system serving 0.5 million people, and water treatment systems serving 2 million people. Currently WPE and UIProjects have completed treatment facilities with a total capacity 10,000 m³/day.

Today, we are capable of providing our clients with complete turnkey solutions for your Energy and Water systems, from Design, Procurement, Construction, Installation, and to Testing and Commissioning.

DELIVERING COMPLEX PROJECTS IN CHALLENGING ENVIRONMENTS

FEDERAL
DESIGN-BUILD
CONSULTANCY
CONSTRUCTION
PROCUREMENT

Services	Countries
Industrial Contracting UIProjects Tech David Light	Afghanistan FCEC UIProjects JV Maz/In Sadiq
Water & Power Solutions UIProjects SAL, Lebanon Mazen El Baba	Bahrain UIProjects WLL Nader Abulfebain
A/E Services UIProjects FZCO Mohammad Abu Seer	Djibouti UIProjects SARL Alaa Yousef
UNETEC UIProjects Amman	Lebanon UIProjects SAL Mazen El Baba
UIProjects Afghanistan - Kabul Maher Nan	United Arab Emirates Conspec Kamal Muhieddine
Procurement (UIBuy) Dubai and China Khalid Sadiq	USA UIProjects Inc. Brian Poyant

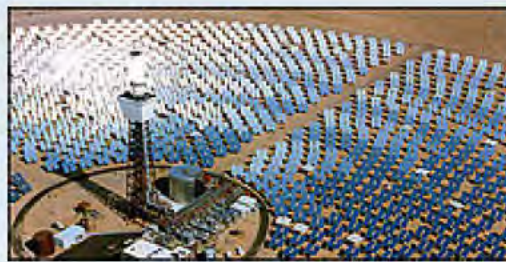


Design and Consultancy Expertise

UIProjects has extensive water and power design and consultancy experience throughout the last 10 years. UIProjects owner Mr. Sadiq was with Edison for ten years prior to establishing UIProjects. He managed several utility related projects worth \$700 million. Mr. Sadiq was the project manager for such pioneering projects as the upgrade of the \$200 million Solar Two central receiver power plant (Bechtel EPC, seen in picture). Under his leadership, UIProjects conducted several technical assistance works on regional Build Operate and Transfer (BOT) projects. UIProjects worked extensively on studies like Jordan Disi BOT water project, Gaza RO project, Belize water utility privatization, and Qatar Ras Laffan 40 MGD Water Line. UIProjects had a newsletter that disseminated the results of such studies.

UIProjects power related consultancy included conducting the World Bank *Needs Assessment Study* for the Iraq Electricity Sector submitted to the November 2003 Madrid Donors Meeting. In 2008, UIProjects was the local consultant for Michael Baker Jr., Inc to assess the generation and transmission capabilities around every Afghan Army Camp in Afghanistan. Since 2005, UIProjects and Faremco worked on the design of over 50 MW of power generation solutions, as well as tens projects that had extensive transmission and distribution networks on all of their 140 projects/200 sites completed in the last 10 years.

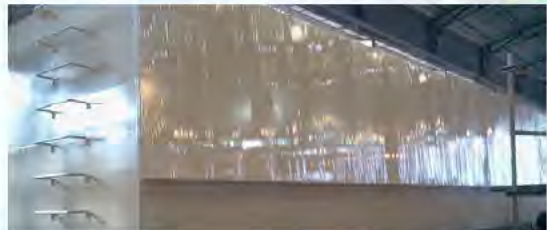
In the water sector, UIProjects has designed in the region over 220 km of water and sewerage networks, over 100 wells, tens of chlorination systems, tens of pumping and filtration systems, and tens of wastewater collection or treatment plants. Our WPE and UIProjects engineers were innovative in developing optimal wastewater treatment processes that suited each site conditions and client needs. For example; On Afghanistan Nirmoz Afghan Army camp with limited land available and a dangerous security situation, we opted for packaged Compact Unit Design and Extended Aeration with Activated Sludge Treatment process. While for another Afghanistan Farah ANA Camp with easy safe access for our crews through Farah airport and plenty of land, we opted for aeration ponds. In the safe Kabul KMTC site seen in this picture at the right, we used Complete Mixed Activated Sludge (CMAS) process, which allowed the client to expand the same existing system.



Water & Waste Water Design/Build Experience

In 2006, we started designing and building water and wastewater treatment systems. In 2007, we joined forces with WPE, and since then we have designed built over 10 major water and WWTP across Afghanistan. The list includes:

- Afghanistan \$68 million ANA Farah Garrison project, which included the design and build of all civil, mechanical and electrical systems for a 500m³/day WWTP complete with aeration bonds
- Afghanistan \$5 million KMTC WWTP project in Kabul, which included the design and build of all civil, mechanical and electrical systems for a 3,525m³/day Complete Mixed Activated Sludge process, peak hydraulic capacity of 370m³/hr (8,880m³/day)
- Afghanistan \$34 million ANA Garrison project at Delaram, which included the design and build of all civil, mechanical and electrical systems for a 115m³/day packaged Compact Unit Design complete with Extended Aeration with Activated Sludge
- Afghanistan \$5 million Kandahar International Airport Facility WWTP, consisting of five containerized sewage treatment plants with total capacity of 100,000 GPD (378m³/day), complete with associated civil, mechanical and electrical systems
- Afghanistan \$15 million WWTP task orders at Delaram II and Shindand, which included one 800m³/day capacity Compact Unit design & Extended Aeration with activated sludge treatment method, and another one with 930m³/day capacity based on Aerated lagoon method



Currently UIProjects has completed treatment facilities with a total capacity 10,000 m³/day. In addition, UIProjects has built in the region over 220 km of water and sewerage networks, over 100 wells, tens of chlorination systems, and tens of pumping and filtration systems.



WPE has total regional experience on Design Build of 100,000m³/day WWTPs serving 0.5 million people and 300,000m³/day, water treatment plants serving 2 million people. Projects include *industrial wastewater treatment, gas chlorination, seawater desalination, and brackish water desalination*. WPE has manufacturing facilities and offices in the U.K., Saudi Arabia, Iraq, Algeria, and Afghanistan. WPE is an ISO 9001:2008 and ISO 14001:2004 certified firm.



Power Design/Build Experience

UIProjects' 50 MW (\$110 million) energy track record is equivalent to non-hydro installed capacity of all of Afghanistan 60 gen sets in the 1.25 MW range. Since working with Faremco in 2005, UIProjects and Faremco have successfully completed a wide range of energy solutions for our clients. This list includes:

- Afghanistan \$68 million ANA Farah Garrison project, which included the design and build of all civil, mechanical and electrical systems for a 5 MW distributed power generation units, in addition to distribution network for this large camp.
- Afghanistan \$34 million ANA Garrison project at Delaram, which included the design and build of all civil, mechanical and electrical systems for a 3 MW power plant complete with synchronization, switchgears and 30 days bulk fuel storage, in addition to distribution network with 6 transformers and distribution panels.
- Afghanistan \$25 million ANA Camp Commando in Kabul, which included the design and build of all civil, mechanical and electrical systems for a 5.5 MW power plant complete with synchronization, switchgears and 30 days bulk fuel storage, in addition to distribution network with step up and step down transformers and distribution panels.
- Afghanistan \$32 million RMTc Shindand, which included the design and build of all civil, mechanical and electrical systems for a 4,000 KVA power plant complete with synchronization, switchgears and 30 days bulk fuel storage, in addition to distribution network with 2 step up transformers and 11 step down transformers and distribution panels.

Our joint venture partner Faremco has successfully performed many power projects in over 21 countries. Clients included Iraq State Electricity Co. of Baghdad, Electricite du Liban, Jordan's utility companies JEPSCO and EDCO, and Saudi Arabia's Secco. Faremco has worked with international power companies like AREVA and ABB. Faremco is part of the Farchoukh Group, with companies in Germany and Lebanon, designing and manufacturing MV/HV protection and distribution equipment, poles, all types of electrical panels, and generators up to 5,000 MVA. Faremco completed over 2,000 energy assignments covering a total of 4,500km of 11-132 kV transmission lines, and tens of 132-11kV substations in KSA, Lebanon and Iraq. Faremco completed such projects as:

- 45km of 33kv overhead transmission line in Erbil, Iraq and 57km of 132kv in Basra, Iraq
- Four substations in Erbil 33kv/11kv/3.3kv
- Two substation 33/13.8kv – 20Mva in KSA.
- Over head line from main power plant 230/132/66kv, Lebanon
- Power plant 16 MVA (32 X 500KVA) Solidere Lebanon
- Supply/Build/ of a 14 MVA power plant in Iraq/ Al Anbar/ Al Assad camp

