

# INSIDE K&A

ISSUE 01 January 2017

Khatib & Alami Newsletter

*a* **360°**  
**Engineering**  
*Company*



# FORWARD



## **CEO's Great Focus on Succession Planning & Career Development at K&A**

Perfectly equipped with a solid strategy and a great passion for what we do, we drove things forward at K&A. We redefined our vision to the future and realized the need to implement certain changes that will allow us to achieve this vision of being the partner of choice for our clients. In order to achieve that, a new Transformation Program called K&A One was launched in 2015 to turn K&A into one seamless, well positioned company in an increasingly competitive market. This has been a comprehensive and extensive initiative that will benefit our local clients with an immediate access to globally integrated design teams, standardized project delivery with tailored and responsive service to further enhance K&A's offerings and service.

K&A One Transformation Program is already providing measurable satisfaction internally. Today, our employees benefit from improved career growth. The new operating model and organization structure have been clearly defined, bringing people closer and, at the same time, defining roles and responsibilities. The new job descriptions with clearly stated roles, responsibilities, competencies and accountabilities, will not only drive employees to focus on performance but will also enable us to target our star performers at an earlier stage in their career.

Most importantly, throughout the Transformation Program, we ensured to safeguard the unique K&A culture and spirit created by our founders, all while fostering a culture based on improved learning, capability building and knowledge sharing.

**Najib Khatib, PhD**

Chief Executive Officer

A handwritten signature in black ink, appearing to read 'Najib', with a stylized flourish at the end.

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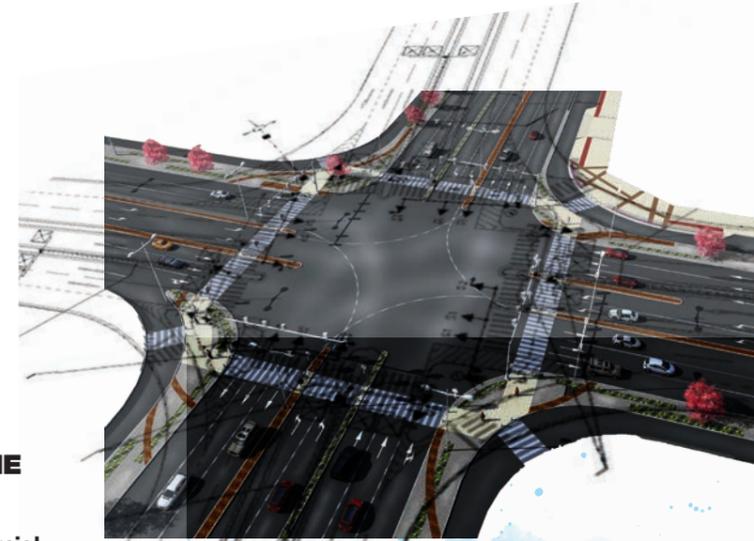
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# Safeguarding the Future

## The Comprehensive Urban Resilience Master Plan for Beirut, Lebanon

The comprehensive urban resilience master plan for the city of Beirut is a multidisciplinary project that lays the foundations needed to enhance the City's ability to cope with current and future challenges. Risks ranging from earthquakes and subsequent tsunami threats to climate change, mass migration, urbanization, ageing populations, epidemics, poor air quality and flooding are considered.

Khatib & Alami (K&A) worked closely with client Buro Happold on behalf of the World Bank and in collaboration with the Mayor and Municipality of Beirut. K&A is largely focused on improving lives and building the future and takes every opportunity to do so by playing a key role in this ambitious project. K&A is providing for the city of Beirut, whose urban area extends over 100km<sup>2</sup>, data collection, conducting surveys, offering technical advice, capturing data and developing various services.

For a better understanding of the City's shocks and stressors, K&A is taking a multidisciplinary approach by combining the expertise of urban planners, designers, traffic and transport planners, and wet and dry utilities' professionals to look at all the City sectors holistically. Sectors analyzed include mapping and boundaries, infrastructure, education and skills, health, communities and inclusion, quality of life as well as legislations.

**The master plan is a momentous first step in Beirut's commitment to funding and implementing a series of initiatives across multiple sectors to support the effective enhancement of the City's resilience.**

بيروت

# BEIRUT

## LEBANON



To address all the complexities involved, the master plan has three main elements:

The first is a baseline review of the shocks and stresses faced by the City (Resilience Demand) and its existing capacity to mitigate those threats and respond if a major incident occurs (Resilience Capacity).

The second is a linked set of strategies setting out short, medium and long term actions to strengthen the City's resilience vis-à-vis the community, environment, urban form, infrastructure, economy, governance, adaptive capacity, and emergency response. The strategies will be evaluated

based on their effectiveness and the level of investment.

The third is a prioritized action plan that encompasses actual projects, awareness raising, capability building and the establishment of initial governance bodies that can take the project forward.

This project was certainly challenging, given unavailable data and the lack of a unified platform to collect information from. Nonetheless, K&A excelled at problem solving and suggested multiple viable strategies to get around these issues.

Effective stakeholder's engagement and K&A's

extensive networks with academia and both the public and private sectors largely assisted in developing effective strategies in a complex landscape.

Further, K&A amassed an in-depth knowledge of the Lebanese planning and legislative system, assisted in raising awareness, and pinpointed the significance of urban resilience in a developing context. This, in turn, gave rise to innovative ways to collect and corroborate information from literature and stakeholders in addition to implementing a multidisciplinary approach to viewing the City.

# OMAN NATIONAL SPATIAL STRATEGY PROJECT



# Land Worth Visiting

GeoWeb Land Management System for the Ministry of Tourism in Oman

The Ministry of tourism (Mot) in Oman awarded Khatib & Alami (K&A) to develop a workflow system that automates the land allocation, registration and approval process for parcels that are owned by the Ministry or by investors who have built tourism facilities on their lands.

K&A has created a user-friendly workflow solution, light weight on web and mobile

platforms, with a viewer and pre-defined reports inbuilt ability. The solution built a scalable infrastructure and database that can be expanded in the future to integrate with the Correspondence System and other systems vital to the Ministry.

The first challenge involved automating five complex workflows that are not

completely documented and that highly demanded understanding, documenting and optimizing the workflows before turning to elicitation and analysis.

The second challenge, that we smoothly tackled, was adopting the most suitable product that can meet all the diverse workflows' requirements and then, customizing it.



Geo-Land Management System

## Strategy that keeps the country MOVING

**K&A team is working on Oman's regional spatial strategies and the traffic survey covering 34% of the country's area.**

The Supreme Council for Planning (SCP) awarded Khatib & Alami (K&A) the consultancy services to prepare regional spatial strategies and a national transport survey in the Sultanate of Oman. This is the third Phase of the Oman National Spatial Strategy Project (the ONSS Project) which entails building Oman's future planning system and shaping the strategic direction of the Sultanate.

The ONSS Project involves the preparation of a land use framework for development at a national and regional level, incorporating regional strategies for all governorates and policies for the implementation of a spatial strategy based on the

goals and objectives of Oman Vision 2020 and Oman Vision 2040 as they are developed.

The core principles guiding Phase3 include the integration of spatial and economic planning; equity in land use policies and processes; improved resources allocation, urban form, environmental quality and quality of life; public engagement; human resource development; and sustainability.

The project has a land area of 112,700km<sup>2</sup>, a construction cost of \$271 million and the design is expected to reach completion in 2018.



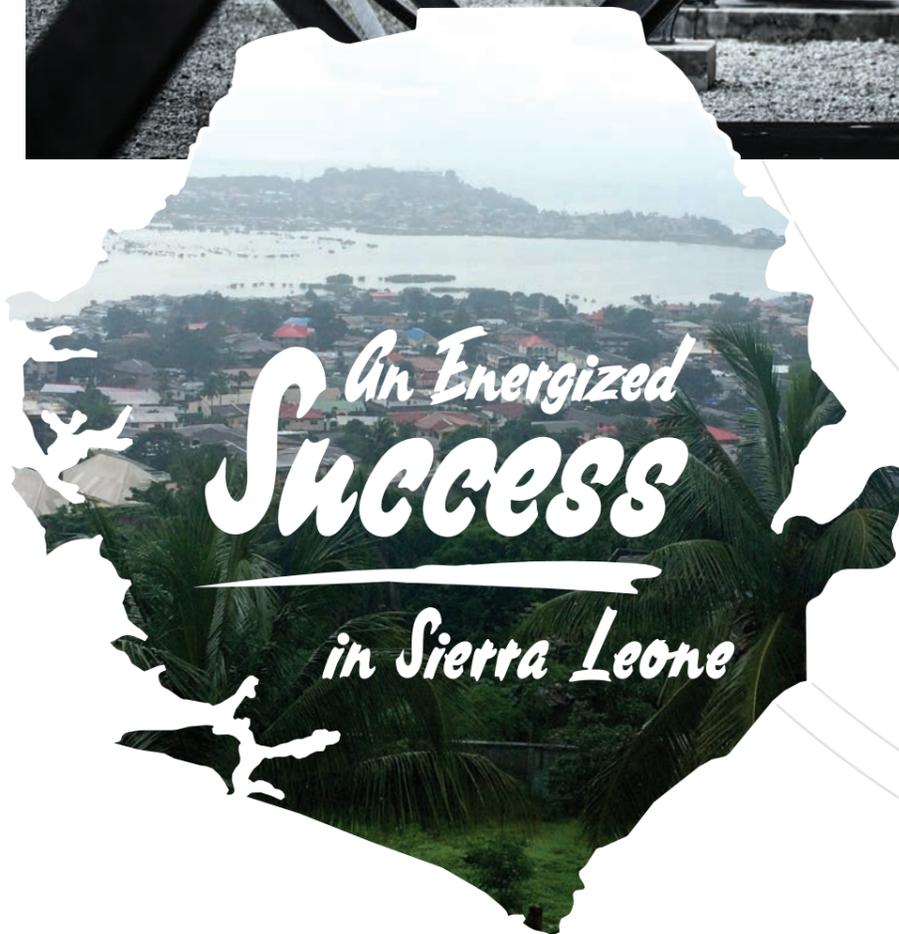
We will be working with the Ministry of Energy and the incoming management of EDSA for the next three years to make this extremely important energy project a success.

President Dr. Ernest Bai Koroma stressed how vital this project is for the country's growth: "Access to reliable and affordable energy is critical in stimulating the economy given its multiplier effects in generating economic activities in other sectors. Without energy there will be no transformation."

President Koroma told Mr. Alami that K&A would

have the government's full cooperation. In turn Mr. Alami expressed K&A's confidence in delivering improved energy to the country.

As the selected performance-based contractor, we met all the World Bank's strict criteria. Assuming the role of the Management Contractor, we will be making sure that the management of EDSA is turned over to a professional local team once we have finished our work. This includes equipping the team with the know-how and skills needed to efficiently run EDSA and to continuously improve performance and service.



An Energized  
**Success**  
in Sierra Leone

We made the news in Sierra Leone in October 2016 when President Dr. Ernest Bai Koroma welcomed the Executive Vice-President of Khatib & Alami (K&A) Consolidated Engineering Company, Mr. Faisal Alami and the K&A executive delegation, represented by Mr. Bilal A. Hassan and Dr. Adel A. Jaoude to the State House in Freetown.

K&A is the winner of the highly competitive World Bank bid for the improvement of Electricity Distribution and Supply Authority (EDSA) networks in the Western Area of Sierra Leone and its surroundings.

## The Gate to Western Africa

**K&A is working on an Energy and Utilities project which is more than a solution to the client's pressing needs.**

Bridging K&A to Western African countries, this project sees us bringing the recently formed national electricity distribution utility in Sierra Leone, into the 21<sup>st</sup> century.

Like many utilities on the continent, EDSA is undergoing

a significant transformation to overcome difficulties including high power losses, financial trouble, low collection and electrification rates and deteriorated networks.

The devastation caused by the civil war (1991-2002) necessitated a reform of the electricity sector in Sierra Leone, leveraging on the unlimited potential and growth of EDSA's services. The implementation of a comprehensive business plan is key to strengthening management and operational skills, building effective practices

and developing EDSA's global performance into the future.

The plan also encompasses customer service improvement and extensive investment plans for the rehabilitation and upgrade of the electricity distribution network. This project will allow more people throughout the country to benefit from access to electricity; especially since now, only 10% of Sierra Leone's population (of more than six million) has access to electricity.



# THREE INDUSTRIAL SITES ON THE RISE IN LEBANON

On 26 July, 2016 Khatib & Alami was awarded by the United Nations Industrial Development Organization (UNIDO), the design of three industrial zones in Lebanon. The project is in collaboration with the Ministry of Industry and in line with its 2025 Vision, that is contributing to sustainable economic development, encouraging national and foreign investment and improving the industrial sector's resilience to external shocks and other destabilizing factors.

The project aims to create new job opportunities with various skill requirements and increase exports by enhancing competitiveness through an integrated infrastructure and utilities of international standards.

The three industrial zones are located in Baalbek (510,000m<sup>2</sup>), Tourbol - Kosaya (1,841,000m<sup>2</sup>) and Deir El Moukhaless - Jleiliye (667,000m<sup>2</sup>). The design process is composed of five stages which started with kick-off meetings and site visits to outline the design framework, the scope of work and the project's objectives. Followed by the inception phase, a work methodology was created to focus on designing a sustainable and competitive project. At fieldwork stage, stakeholder meetings, public consultations and

cross-disciplinary workshops were conducted to collect information on the existing socio-economic situation, infrastructure networks and to engage the local community.

Finally, the master plans will provide innovative and ecological solutions for the industrialists, such as power generation through photovoltaic panels, waste to energy conversion and rainwater harvesting. The three final master plans are expected to be submitted in mid-February 2017.



3D Perspective of Baalbek Site



3D Perspective of Tourbol- Kosaya Site



3D Perspective of Deir El Moukhaless - Jleiliye Site

**Khatib & Alami's Halabja Water Supply Comprehensive System can now supply a population of 170,000 residents and Sulaymaniyah Reinforced Distribution Network can serve the needs of 90,000 people.**

Yet another life-enhancing project is a splash of success! 20 July 2016 was a day to remember as it witnessed the opening ceremony for the Halabja Comprehensive Water Supply System and the Improvement of Sulaymaniyah Distribution Network Project (Package 2), which are part of the Water Supply Improvement Project in the Kurdistan Region.

The grand ceremony took place at the water treatment plant, near Gonda village in Halabja District, northeast of the Kurdistan region of Iraq.

The event which marks a milestone, was held under the patronage of his Excellency the Prime Minister of the Kurdistan Regional Government Mr. Nichervan Barazani, represented by her Excellency the Minister of Municipalities and Tourism Ms. Nawroz Mawlood Amin, and in the presence of Halabja Governor, the Japanese Ambassador Mr. Fumi Iwai, representing the Government of Japan since the project was funded by the Japanese International Cooperation Agency (JICA) as part of Japan ODA loan to Iraq.



Site of the Water Intake Location at Sirwan River

As the project's design and construction supervision consultant, Khatib & Alami (K&A) had the honor of being amongst the distinguished group of general directors, mayors, governmental officials and residents.

Initially launched on the 3<sup>rd</sup> of January 2013, the project reached completion on the 31<sup>st</sup> of May 2016. It improves the quantity and quality of water supply in Halabja and Sulaymaniyah by enhancing facilities and constructing a comprehensive supply system for Halabja and neighboring towns with an ultimate capacity of 100,000 m<sup>3</sup>/day.

The new system includes a water intake structure with an unprecedented concept, a water treatment plant, pumping stations, water storage reservoirs, water transmission facilities and a reinforced distribution network. In Sulaymaniyah, old networks were replaced to safeguard the cleanliness of potable water while minimizing water loss.



Grit Removal Chamber



Water Treatment Plant

**Halabja Water Supply Comprehensive System and the Improvement of Sulaymaniyah Distribution Network Opening Ceremony**





# A SPORTING ACHIEVEMENT

Lekhwiya Sports City, Qatar

**Khatib & Alami (K&A) played a key role in the infrastructure works of Lekhwiya Sports City, Abdullah Bin Khalifa project in Duhail area.**

Lekhwiya Sports City is a vital addition to the sports facilities in Qatar and is an architectural and sports masterpiece which meets all the AFC's norms and conditions. Today, it is ready to host major local and regional football sporting events. This project rises on 400,000 m<sup>2</sup> lot of land. Construction began in 2011 and reached completion in 2013. Since then, all the sports teams of the Internal Security Forces (Lekhwiya) have been competing and exercise there.

**K&A was commissioned by Al Khayat Contracting Company (KCD) under D&B contract with the Private Engineering Office to undertake the detailed design for the infrastructure works of Lekhwiya Sports Stadium. K&A consultancy services covered the detailed design of roads, parking, landscaping, wet and dry utilities, service tunnels, pumping stations, reservoirs and package wastewater treatment plant.**

The first phase of the massive project included a main stadium with a capacity of 10,000 spectators and four training fields with two changing rooms. The second phase featured a mosque, a sewage treatment plant, a technical services building and a services tunnel.

Lekhwiya main stadium boasts five electronic entrance gates for spectators along with 27 automatic exit gates to ensure easy stadium access, while the main club entrance gate is exclusively for VIPs, players, media, team managers, referees, and games monitors. The stadium even guarantees that spectators with special needs have everything they need from specially allocated seating to entrances/exits, transportation, and more.



The stadium is lit by four lighting towers that showcase the latest architecture system including a high illumination intensity of 3,500 lux to provide maximum lighting while broadcasting the matches on television using up-to-date technology and a high degree of clarity. The stadium includes four changing rooms for the players so that if two games are organized on the same day, all clubs can have their very own rooms. There are also separate rooms for coaches and technical staff, as well as rooms for referees and technical observers, equipped with all the services and amenities. Even physiotherapy rooms are available.

Well-being is taken into consideration with sauna and Jacuzzi rooms for players plus a clinic with medical rooms, proper medical services and the latest medical equipment for athletes and spectators in case during the event, an accident or injury occurs. Media coverage is facilitated with a fully equipped dedicated cabin for the press, a hall for press conferences and a completely equipped private press lounge.

In addition, six commentator cabins, two match analysis studios, administrative offices for the stadium's staff, and a dedicated floor for VIP visitors and dignitaries (with

closed, fully equipped air-conditioned cabins, as well as open air booths, and a private office) add distinctive touches. The stadium also features an advanced audio system and internal display screens. Services and utilities are located in an underground tunnel for easy follow-up, operation and maintenance. A covered multicolor parking, an open air parking, an indoor gymnasium, a fitness block, a guest house, a banquet hall for 2,000 people, walkways, and gardens all come together to create an inviting sports city that can cater to the needs of the future.

# Blossoming life

## Desert Rose, UAE SMART & SUSTAINABLE CITY

**Khatib & Alami's scope of work includes design, master plan, site survey and analysis development, alternatives, detailed master plan, tender documents, and supervision.**

Consisting of building clusters in the shape of a desert flower, this city embodies the comprehensive principles of sustainable development on social, economic, environmental and energy levels. Desert Rose will be home to 160,000 inhabitants, 75% of which are expected to be Emirati. The Dh30 billion mixed-used development boasts a city centre with a linear activity spine with a pedestrian atrium (3.5km long approximately) served by an electric light-rail which could be linked to Dubai's Green Metro

Line. The project will offer a myriad of commercial, retail, recreational, hospitality, healthcare and entertainment facilities. In addition to this, 10,000 affordable residential units will extend along the light-rail path in-line with Transit Oriented Development principles. Residential neighborhoods for locals can be found on both sides of the linear city center. These neighborhoods offer sustainable and affordable residential solutions in the form of 20,000 detached houses, townhouses and walk-up apartments that are ideal for the local lifestyle and climate.

**By combining our ambitious drive with our innovative edge, we aim to ensure on-time delivery, quality, functionality, effective progress monitoring, project risk mitigation and effective program monitoring. After all, client satisfaction is at the heart of our corporate culture.**

In addition to public and community facilities, services and amenities, Desert Rose will have natural eco-walks and cycleways. Envisaged to sustain itself via its transport system, economic resources, renewable energy (solar panels on all roofs and a thermal tower), and recycled waste water for irrigation, the city will even have a lush 700 hectare green belt to shelter it, improve the micro climate, and serve as fertile grounds for agricultural production.





# ALGER CITY CENTER

HOW HOSPITABLE!

## All About Hospitality

**Alger City Center is the latest addition to K&A's wide hotel portfolio in the MENA region.**

Khatib & Alami has been awarded the Alger City Center project, a mixed use development in Algiers by SAPIA sarl (ARTIC), a company that develops, acquires and leases real estate mainly for the hospitality sector and hospitality-related services locally and internationally.

As the design consultant for the Alger City Center project, which consists of two towers and a high-end shopping mall, we are bringing our expertise to the forefront. Located in the heart of Algiers, this project has the potential to create a strong connection between existing architectural elements such as the Monument of the Martyrs, National Library, Esplanade of the Hotel Sofitel and the famous garden of El Hamma.

Spanning a 10,387m<sup>2</sup> site it will boast a five level shopping mall, complete with a supermarket, retail and anchor stores distributed along the floors, an entertainment area surrounded by a food court and movie theatres.

Alger City Center will also be the site of three hotels. The St. Regis Hotel in the 23 floor left tower has 222 keys, restaurants, spa, fitness club, meeting and conference rooms, a shared ballroom for the hotels and a roof top pool with a restaurant. The 24 floor right tower will have the Westin Hotel (with 188 keys) and the Element Hotel (with 126 keys) in addition to restaurants, spa, fitness club, meeting and conference rooms and a rooftop pool with a restaurant.

### Project Data:

Location: Algiers, Algeria  
 Street: Hassiba Ben Bouali  
 Plot Area: 10,387m<sup>2</sup>  
 Building Footprint Coverage: 89.0%  
 Tower 1: 6 Basements + GF + 23 Stories  
 (Total Height above grade = 96.6m)  
 Tower 2: 6 Basements + GF + 24 Stories  
 (Total Height above grade = 100m)



The total built-up area of the project is 136,481m<sup>2</sup>, including five underground levels for parking (849 cars), loading and unloading, BOH and technical facilities.

OPENING THE ROAD

# AL Khor, Qatar

Commercial Street Development

## Project



Under the umbrella of the five year Local Roads and Drainage Projects (LR&DP) contract, Khatib & Alami (K&A), working in a Joint Venture partnership, is the approved consultant of all the projects in North Qatar. This is part of the efforts of Public Works Authority 'Ashghal' to ensure that all parts of Qatar enjoy world class infrastructure. The work for this particular region involves the design and construction of 33 projects that span a number of cities, villages and link roads throughout the northern half of Qatar.

K&A, working in Joint Venture partnership, has lived up to client's expectations in delivering the challenging demands of the LR&DP, particularly where it involves a large team of engineers working at different geographical locations with various technical and specialist disciplines. The Joint Venture is conducting data collection; planning investigation; coordination; traffic studies; design; tender preparation; construction procurement; construction supervision; and post contract quantity surveying services including the coordination with 19 different authorities to obtain the No Objection Certificates (NOCs) from each.

The project Roads and Infrastructure for Commercial Street in Al Khor Area is part of the general engineering consultancy services we are providing and the beneficial use of the road system was handed over on 10 October 2016.



**Since the street has been opened for traffic at the last quarter of 2016 the softscape, hardscape and enhancement works have continued on the verges and are targeted for completion by the first quarter of 2017.**

Al Khor Commercial Street Development Project enhances traffic flow and reduces congestion, in addition to providing developed roads and infrastructure to best serve business owners, residents, and visitors of this vibrant area. Project works included developing the existing 5.6km long street and widening its lane to dual carriage way; two lanes each direction with service roads. This improved traffic flow for the area's residents and visitors. Work also included constructing comprehensive service roads with additional car parking areas for the owners and visitors of commercial establishments. The project's scope even included the construction of safe entrances and exits, sidewalks, and medians in addition to landscaping and the installation of a lighting system. Four new main signalized intersections were added to ensure traffic safety

for road users. Micro-tunnelling works for storm water drainage were carried out discharging storm water through pump station to a lagoon in addition to water network lines and diversion of electrical cables. In other words, the project answers the needs of 160 residential plots, 60 commercial shops, three schools, three mosques, and car parking spaces.



Always ambitious and inspired, Khatib & Alami (K&A) Energy & Utilities Systems Integration (SI) Department went up against prominent local and international GIS and asset management service providers to win its first GIS project with Salalah Sanitary Drainage Company (SSDC) and its second major GIS implementation project for the Energy & Utilities (SI) in Salalah, the second largest city in the Sultanate of Oman. Our Energy & Utilities SI Department has reinforced its position as a leader in the GIS

Enterprise systems including Oracle E-business suite (EAM), CRM and SCADA; asset management process and registry implementation; and training and onsite support services. The system design's primary objectives include assessing existing SSDC IT infrastructure (with reference to project-related software) and recommending changes and upgrades that support the planned GIS and systems integration usage. The data model design is an essential element for building the geodatabase

right applications and integrations. Our asset management services will build a robust process for asset coding, registry update and asset criticality analysis that serves the organization's needs while optimizing asset management procedures and streamlining the acquisition of the required ISO certification. The Web GIS will bring together ArcGIS server and ArcFM Web tools based on HTML5 and Geocortex web engine, thus letting SSDC make the most of the solution's data

many features and capabilities to the utility, starting with establishing data exchange between ESRI ArcGIS and EAM, enabling CRM to run spatial analysis and locate specific customers based on predefined queries, and empowering the SCADA system with geographical data to visualize the feeders, and pushing back live network data from SCADA to the GIS map. This key project addresses a number of business drivers

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**Leading Life**

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**Enhancing Innovation**

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**in Oman**

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utility solutions market in Oman and the region at large thanks to state-of-the-art solutions and a client-focused approach. The project took off on 16 October 2016 and spans 18 months followed by one year warranty period. The scope of work includes project management and coordination; GIS system and data model design; gap analysis, field data collection and development; Web GIS solution and clearance application development; GIS integration with

which will host the GIS spatial and attribute data for SSDC's network assets. After the data migration to the new geodatabase, K&A will conduct a thorough network gap analysis for sewerage and treated sewage effluent levels to validate the network coverage and identify potential missing parts using available data sources. The gap analysis findings will in turn be used as the road map for a field survey that fills identified gaps and develops a high quality geodatabase that has the

analytics and reporting engine. In addition to all this, detailed requirements will be collected to custom develop an application that facilitates the clearance approval procedure and automates different stages in the network clearance process including user levels that benefit from a GIS integrated web service. The GIS integration with business solutions at SSDC is one of the most important tasks in this project. This task alone is expected to offer

that optimally meet SSDC's strategic objectives. These include supporting daily operations with an up-to-date and accurate spatial empowered database, improving asset lifecycle management via recent field observations and a reliable GIS database, using GIS to spatially enable business processes, and increasing staff levels in an ever-changing network with evolving technology.

## GIS Web Solution Development and Systems Integration

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# COMPANY<sup>SSDC</sup>

# Pioneering AMBITIONS

in Oman

Sultan Qaboos University and Khatib & Alami join forces to innovate



**5 December 2016 was a remarkable day. A letter of understanding (LoU) was signed between Sultan Qaboos University (SQU), represented by Dr. Rahma bint Ibrahim al Mahrooqi, Deputy Vice-Chancellor for Postgraduate Studies and Research, and Khatib & Alami (K&A), represented by Mr. Ismail Bazyan, Senior Director.**



In light of this, K&A will support innovation and research in the fields of remote sensing, GIS applications and regional spatial planning.

The LoU is the catalyst that will not only spark better cooperation and advancements in the field, but will also tap into the potential of remote sensing techniques for managing, researching, and exchanging studies, research, skills and experience in the field of spatial data development.

Together with SQU, we will be developing the service and application of spatial data infrastructure; upgrading GIS and remote sensing platforms and SQU labs; researching the real-time renewal of local scale digital maps using real time GIS and spatial data; researching merging remote sensing and cloud technologies; and implementing a regional spatial strategy for certain Omani governorates.



## GIS Speaks the Same Language



K&A Executive Vice-President Mr. Faisal Alami with Mr. Jack Dangermond

**Khatib & Alami (K&A) sponsors ESRI Middle East and North Africa User Conference 2016 and shares “Highlights on National and Local Government Geospatial Implementations in MENA”**

The Middle East and North African geospatial communities came together 8-10 November 2016 at the Kempinski Hotel Ishtar, Dead Sea, Jordan, to learn, understand, and share their GIS technology experiences at this year’s ESRI Middle East and North Africa User Conference 2016.

The conference offered more than 650 attendees a wide range of industry related and technical sessions, and included plenary sessions, technical seminars, user presentations, and an exhibition.

Given our reputation for innovative GIS solutions, K&A

was the Gold sponsor of this event, and had a booth installed to interact with ESRI conference visitors. Our Senior Manager of Government and Commercial MENA, Dr. Mohamed Misbah, presented “Highlights on National and Local Government Geospatial Implementations in MENA” during the plenary sessions.

During the event, GIS solutions from the MENA region were celebrated across industries and it was clear that Web GIS, Big Data, and Internet of Things technologies are becoming increasingly prevalent with more organizations awakening to the value collaborative GIS

brings. Esri president Mr. Jack Dangermond presented Esri’s vision for how GIS is becoming a fundamental language for understanding and managing our world. Other highlights included the total unveiling of ArcGIS 10.5 and the new ESRI insights for ArcGIS and Geoanalytics.



## The Promise of Growth



**K&A sponsors Esri East Africa User Conference 2016 and presents “The Paperless Census”.**

The Eastern African community’s long-term growth prospect appears to be solid and the main pillars for this are its increasingly broadband based economy and the youthful

population. This year, the city of Kisumu hosted the Esri-East Africa User Conference 2016. The 11<sup>th</sup> edition of this important conference was inaugurated by Prof. Jacob Kaimenyi, Cabinet Secretary, Ministry of Lands and Physical Planning, Kenya. A keen supporter of progress and professional interaction, K&A was a Bronze sponsor for this event and had a booth that came to life with a lot of interesting discussions and exchanges. We also presented a paper titled “The Paperless Census”.

The event was attended by hundreds of Esri GIS’ users from Kenya, Tanzania, Uganda, Ethiopia, Djibouti, Eritrea, and the rest of the world. It was an ideal platform to learn, network and share their experiences while discovering all the new developments related to Esri and GIS technologies. The conference featured an outstanding composition of plenary sessions, training classes, exhibition, seminars, and meetings. Paper and technical sessions all centered on leveraging geospatial technology and innovative solutions for business, government and society.



*Fresh Career Start*  
with Khatib & Alami

**At Khatib & Alami (K&A), we are always eager to welcome new members to our family and to nurture promising, young talents.**

All the new recruits at our Bangalore office, had a special induction day on 28 June 2016. These freshly graduated engineers were introduced to the company and were given support and advice so they can succeed from day one. The induction program was headed by Mr. Ram and Mr. Hughes and featured a special guest Mr. Harsh Pareek, Autodesk's Technical Lead in India and SAARC. Mr. Ram welcomed the fresh engineers and

Mr. Hughes took them through K&A's historical journey via a wonderful presentation. Mr. Harsh Pareek gave a highly interesting and informative presentation on BIM. The new family members had the opportunity to introduce themselves, ask questions and bond over lunch. A group photo was taken to mark their first day on their career journey.



**1<sup>ST</sup>** year anniversary at  
**BANGALORE**  
office

**K&A India team with Engineer Wael Othman from Sharjah Electrical during a training session on 10 August 2016 in celebration of 1 year since the opening of the Bangalore Design Center.**

*On 10 August 2016, the K&A India team celebrated the first anniversary of the opening of the Bangalore Design Center. A year has already passed since our milestone expansion into Asia and the office has provided invaluable support to the K&A network. Congratulations team! We look forward to many years of success ahead.*



# Recognition in Higher Education



American University of Sharjah awards Khatib & Alami

*a Certificate of Appreciation*

**Khatib & Alami has always been an active sponsor of many key events and programs since we firmly believe in being good corporate citizens.**

Over the years, we have supported a number of American University of Sharjah (AUS) initiatives such as career fairs, business forums, women empowerment drives and training focused on new engineering trends. This partnership with AUS doesn't stop here.

We are also assisting them in a number of their important projects by providing our master planning, architectural design, engineering design and infrastructure services.

As a show of recognition for all the support we have given the university in addition to its students and alumni, AUS awarded K&A with a Certificate of Appreciation. The award was presented at the AUS Corporate Appreciation Dinner at the Murooj Rotana Hotel in Dubai. This meaningful show of gratitude was well received by K&A delegates, Mr. Fadi A. Khalaf, Senior Manager of Marketing & Communication - Gulf and Mr. Tamer Jichi, Senior HR Officer at Human Resources - Gulf.

# Sustainable Excellence

For our strong commitment to sustainability and taking impactful initiatives, Khatib & Alami was awarded the Sustainability Recognition Certificate at the Green Expo Forum 2016 on 9 November at the Ritz-Carlton in Doha, Qatar. The award was presented by the Gulf Organization for Research and Development (GORD), a subsidiary of Qatari Diar Real Estate Investment Company. Organized by GORD, the Green Expo Forum 2016 brings together practitioners, experts, regulators and researchers from national and international organizations to share knowledge, ideas, thoughts and experiences on various topics related to sustainability and climate change.



Mr. Mohammed Qasem, K&A Director - Qatar receiving the Sustainability Excellence Award from Dr. Yousef Mohammed Alhorr, Founding Chairman of GORD.



Senior Manager of Marketing & Communication - Gulf, Mr. Fadi A. Khalaf receiving the award

# ABOUT MORE THAN HOME

**Khatib & Alami is the Gold Member at "The Fourth Arab Housing Conference" in Riyadh**



K&A representatives from right to left; Engineer Ramadan Harb, Senior Vice President; Engineer Jihad Mohtadi, Riyadh Office Resident Manager; Engineer Hussam Jalouk, Senior Project Manager and Mr. Hayder AlBahrani, Riyadh Office Human Resource Manager

Engaging and sharing are part of our corporate culture and in light of this we were a Gold Member at the Arab Housing Fourth Conference which focused on "activating the partnership between the public and private sectors for the development of the housing sector". This event was held in Riyadh under the patronage of the Custodian of the Two Holy Mosques King Salman bin AbdulAziz Al Saud, and was organized by the Ministry of Housing Saudi Arabia in partnership with the Council of Ministers of Housing and Reconstruction in the MENA countries.

The Fourth Arab Housing Conference aimed at laying the foundations for positive results that will impact the housing sector and its services and organizations in the



Engineer Jihad Mohtadi, K&A Riyadh Resident Manager receiving a recognition award from H.E. Majed Al-Hogail Saudi Minister of Housing

Kingdom of Saudi Arabia and other Arab states. This conference covered views on the role of institutions and government bodies in the partnership between the public and private sector, and highlighted the role of the private sector in achieving the objectives of housing policies. It also clarified the importance of the partnership between the two sectors as a strategic choice for housing projects.



In our quest to support our community and promote health, Khatib & Alami contributed to the Hope Fund, which was launched during the Global Breast Cancer Awareness Month by Al Habtoor Group and the Khalaf Al Habtoor Foundation. All proceeds from the Hope Fund are being used to pay for the treatment of breast cancer patients.

On this occasion, Mr. Ali Khalaf, Former Senior Director and Mr. Steve Edmonson, Senior Director at our Dubai office attended the event and were handed a certificate as a token of appreciation.

# THE POWER OF RECOGNITION



**Oman Electricity Transmission Company (OETC) awards Khatib & Alami Energy & Utilities Department**

At Khatib & Alami we always strive to exceed our client's expectations. An esteemed client, the Oman Electricity Transmission Company (OETC), recognized our essential contribution to helping them achieve their asset management ISO55001 certification. This came after completing a turnkey project in December 2015 which entailed the GIS system design and web solution implementation in addition to the development of policies and procedures that integrate GIS operations with OETC's advanced asset management framework. This particular project we worked on was vital to the ISO auditing process which led to OETC's ultimate accreditation in 2016. This world class award reflects the solid partnership between our Energy & Utilities (SI) department and the sole electricity transmission company in Oman (OETC).

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