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TRANSMISSION

THE JOURNAL OF KHARAFI NATIONAL



The Abdul Aziz Al-Babtain
Cultural Waqf Complex
see page 6

**KHARAFI
NATIONAL**



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Q4 2006

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Message from the DMD



As all of you are well aware, our official name is now *Kharafi National*.

Though *The National Company for Mechanical & Electrical Works* is no longer in use, we continue to be proud of this name. In the old days – before we grew into an enterprise with a wide range of diverse activities – it reflected what we did very correctly.

Our previous name expressed our business when we were learning our trade and were only involved in MEP works. Electro-mechanical works require a greater level of skills and on-going involvement than any other construction activity. We learned well, expanded our expertise into related areas, and grew as a company. As our activities broadened beyond MEP works we became known in the market as Kharafi National or KN for short.

The change in our official name is highly significant. It comes at a crucial time in the development of our company and declares in no uncertain terms that we have made the transition from a sub-contractor with a narrow service-slate into a multi-faceted service provider. The broad nature of our new name, *Kharafi National*, is a fitting appellation for a company whose scope of activities now encompasses an extremely wide range of construction services in civil contracting, oil and gas, and heavy industry, fabrication, the supply of heavy equipment and trading, as well as maintenance and facility management.

The name Kharafi National is now so well recognized in the markets in which we operate that it almost has the strength of a brand. This recognition factor is the reason Utilities Development Company Holding has been eliminated from our organization chart. The development activities carried out under the separate UDCH identity are now being conducted by KN under the banner of our parent company Mohammad Abdel Mohsin Al Kharafi Group. This change reflects the cachet Kharafi Group has for dependability and quality service in our markets, whereas UDCH was relatively unknown, and the development of our BOT and similar businesses is now being leveraged by direct association with the Kharafi Group trade names.

As a brand name, Kharafi National epitomizes quality and customer satisfaction. Thanks to your efforts, your sense of ownership, and the efficiencies of our systems, we have been able to position ourselves as highly respected in the market. As we expand in the years to come, I trust all of you will continue to make a positive contribution to developing the Kharafi National brand.

Samer G Younis
Deputy Managing Director

Keeping the 50 - 50 Strategy on Track

At a meeting of KN managers on the 11th January 2007, DMD Samir Younis reviewed the company's strategy and what is being done to achieve its objective of deriving 50% of turnover from development projects.

Having more than doubled over the last two years, turnover at KN is extremely healthy overall. The DMD explained the rationale underlying KN's 50-50 strategy and mapped the route that is being followed to increase the relative contribution from development projects and maintain the company's margins.

KN has successfully capitalized on the current unprecedented construction boom in the Middle East. The company's backlog of work is currently KD600 million; submitted tenders are likely to add another KD300 million to this, resulting in a total backlog in excess of US\$3 billion.

The construction industry however is notoriously cyclical. Because development projects have much longer durations than the usual construction projects and are therefore less sensitive to the cyclical swings, the 50-50 strategy has been devised to maintain the scale of the company's activities when the inevitable down-turn arrives.

To protect its margins and enjoy the intended benefits of its strategy, KN decided in 2006 to reduce its profile in its areas of operations, such as The Gambia, Lebanon and Egypt, where margins are low and risks are high. Its confidence in its market

strength is such that it has also begun refraining from bidding for contracts with problematic clients. The company has also taken steps to improve its collection rate and reduce its financing costs significantly.

During the COOs and directors meeting in December, key decisions were taken to implement the 50-50 strategy. These included the decision to change the company's official name to Kharafi National and to eliminate UDCH from the organization chart.

To avoid low margin, high risk areas, a major decision was taken to concentrate 90% of the company's work in the Gulf area. This will entail building a second operational base, equivalent in size to KN's presence in Kuwait, in Abu-Dhabi.

As regards BOT projects it was decided that KN should concentrate its energies on four prime areas: sewage and water treatment, solid waste management, district cooling, and zero liquid discharge.

To this end, the company intends to acquire or establish small subsidiaries or make alliances with experienced companies in these areas.

KN will also be developing an operation to specialize in the management of EPC contracts.

Organizational Changes at KN

To execute its 50-50 strategy and to continue to provide ever-improving services to its clients, KN recently underwent some changes in its management structure.

A new division, Infrastructure Project Development, has been created as KN's development arm and the activities of UDCH have been transferred into this division.

The business line Maintenance & Facilities Management has been renamed Facilities Management. The sub-business line of Facilities Management, Power & Water / Building Services has been renamed Utilities & Infrastructure.

Two service directorates, Tendering & Contracts and Engineering & Procurement, have been combined into a single corporate directorate called Proposals, Engineering & Procurement.

New Appointments



Pietro Levrero has been appointed the chief operating officer of the renamed Facilities Management Division, with the title COO Environment & Facilities Management. An Italian with a doctorate in mechanical engineering from the University of Pisa, Pietro worked with Technimont, where he was the director of the oil and gas division, before joining KN as an advisor to the DMD.



Joseph Gergi Medlej has joined KN as the general manager of Al-Maha Environmental Services, a newly formed special purpose company for solid waste management, in Abu Dhabi. Joseph, who has a degree in civil engineering, joins KN from Ionics / Italba for whom he was resident project manager on the Sulaibiya WWT&RP in Kuwait.



Georges Hage has been appointed director of business development for industrial maintenance in Facilities Management. George, who will report to the COO E&FM, has several post-graduate degrees in engineering and business administration. He was previously vice-chief executive officer with Kuwait Dynamics Ltd.



Norman Burns has joined Kharafi National as the project manager on the Sulaibiya Waste-Water Treatment and Reclamation Plant. A British civil engineer with a science degree from Lanchester University in Coventry, Norman previously worked for KEO International Consultants in Kuwait.



Ravindra Mittal has been appointed unit head of projects controls services. Ravindra, from India, has a master's degree in management construction from the National Institute of Construction Management and Research in Pune and joins from Reliance Infocomm Engineering where he was project head for Rajasthan.



Dimitar Stoyanov Sotev has joined as the HSE manager on the PIC Aromatics complex project. Dimitar, who is Bulgarian, has an engineering diploma in fire prevention and control from the Ministry of Internal Affairs University in Sofia and joins KN from CCIC in Dubai where he was HSE coordinator.



Michel Deek has joined the Engineering Unit at Kharafi National as lead engineer. A Lebanese with a master's degree in electrical engineering from Georgia Institute of Technology in Atlanta, Georgia, USA, Michel is a highly experienced electrical engineering consultant.



Amr Mohamed El Naggat has been appointed the project finance manager for Infrastructure Project Development. An Egyptian with an MBA from the Sadat Academy for Management Sciences and extensive experience in financial modeling, Amr joins from MIBC Group in Egypt where he was corporate finance manager.



Leftary Elia Kantarzis has been appointed the accommodation manager for ABJ. Leftary, who is Jordanian, has a degree in business studies from Cleveland, Ohio, in the USA and was previously the catering operations manager with DAMAC in Abu Dhabi, UAE.



Ian James Webb has been appointed senior contract administrator for projects controls services. Ian, who is British, studied construction at North East Surrey College of Technology and comes to KN from the Longcross Group in the UK where he was senior cost manager.

Welcome back

Sunil John has rejoined as a site instrumentation and control engineer on project 1312. Sunil, who has a BE in electronic engineering from Bangalore in India, worked previously for KN on the maintenance of building automation and security systems for KOC.

Mani Varghese has rejoined as a senior project engineer on the Symphony Complex Bid Package 4 project. Mani has a BSc in mechanical engineering and was previously employed by KN as a senior project engineer on the Fahaheel Waterfront Development project.

Ragesh Santha has rejoined KN as a laboratory chemist in the Sulaibiya WWT&RP testing laboratory. Ragesh has an MSc in chemistry from Barkathulla Vishuavidhalaya and worked previously for ABJ as a laboratory tester on a PIC mechanical maintenance project.

Operations News

All business units in Kharafi National were extremely busy during the whole of the fourth quarter 2006, executing a variety of worthwhile contracts and in securing new business. To service KN's ever-increasing work-load, recruitment is continuing apace and the company's facilities are being expanded dramatically.

New Facilities in Mina Abdullah

Phase-I of KN's New Facilities in Mina Abdullah, which includes new, vastly expanded, workshops and administrative facilities for ABJ and the Equipment Division, is progressing well after major design modifications to better suit operational requirements.

In fact, ABJ have been occupying their new fabrication workshop building since July this year and their operations there have already started. Meanwhile the Equipment Division has begun using its new open area for the lay down of KN vehicles and equipment.

Construction of additional buildings such as the duct workshop is ongoing, while the piping insulation workshop and IMTE and canteen buildings are being designed. All the electro-mechanical works for these buildings are being prepared by KN Engineering Department.

Petroleum & Chemical - Unit A

The future looks extremely active for Petroleum & Chemical – Unit A, with tendering targets that include the installation of major pipelines, the construction of a new gathering centre and a proposed major gas compression station.



Parts of KN's new facilities in Mina Abdullah are already in use

Steam Flood Facility - KN is currently finalizing an expanded scope of work for the Large Scale Test Plant with Joint Operations in Wafra. The intent is to have a contract in place by February 1st, 2007. Subject to this timing, the completion date will be November 2008.

Facility Upgrade Project - Over 35% of this major project for KOC has already been completed. KN has placed more than 20,000sq m of concrete out of an anticipated quantity of 29,000sq m and has erected over 4,000mt of steel out of an anticipated 5,500mt. The emphasis now is on the erection of pipe-work, to be followed by electrical and instrumentation work. The project is on target for completion by December 2007.

The facility upgrade project has to date worked six million man-hours without a lost time accident. This is quite a remarkable achievement considering that the project is spread over nine different operating facilities within KOC's south-eastern oil fields.

Commercial & Industrial

The range and variety of projects being undertaken by C&I continues to expand.

Abdul Aziz Al-Babtain Cultural Waqf Complex - Currently under construction in Sharq, Kuwait City, the prestigious mixed-use Abdul Aziz Al Babtain Cultural Waqf complex has a total built-up area of 66,000sq m. The building has three basements, a

ground floor, three mezzanines and 38 floors above, as well as an upper roof area. The basements have parking for 150 cars.

M A Kharafi is the main contractor. KN is undertaking all the electro-mechanical works and its scope of work includes electrical panelling, bus way ducting, light fixtures, diesel generators, UPS, fire alarm and voice activation systems, chillers, cooling towers, pumps, AHU's, FCUS and fans, fire pumps, fire hose cabinets and sprinkler systems. The scheduled completion date is December 2008.

The project includes extensive landscaping. As can be seen from the artist's impression, a noteworthy feature of the exterior is a state-of-the-art curtain wall to protect the windows from the harsh glare of desert sunlight. To augment the ambience there will be an interior water-fall in the shopping mall.



The protective wall on the Abdul Aziz Al-Babtain Cultural Waqf Complex

The Special Gateway for VIPs at Kuwait International Airport



A Special Gateway for VIPs is being constructed at Kuwait International Airport. This will consist of a passenger terminal, with a foot-print of 4,000sq metres, designed to serve VIP passengers entering and exiting Kuwait, and an aircraft parking apron of 100,000sq m, big enough to accommodate about 31 aircraft – everything from small private jets and helicopters to large airliners such as the Boeing 727. The sides of the apron will have two covered aircraft shelters and the apron will include two hangers for aircraft maintenance.

The terminal is intended to provide a suitable welcome for VIP visitors and, at the same time, reduce the work load of the existing terminal which will improve the service to all passengers. This fast-track project is being built on a BOT basis and the main investor is Jet Aviation of Kuwait.

KN has the contract to supply, install, test and commission the ground light fixtures for the runways. The scope of work includes a 30m high mast to illuminate the apron area and all the electrical works pertaining to electrical panels, feeder pillars, industrial power sockets, the earthing system and traffic signals on the service road. KN will also have a two-year maintenance period following substantial completion.

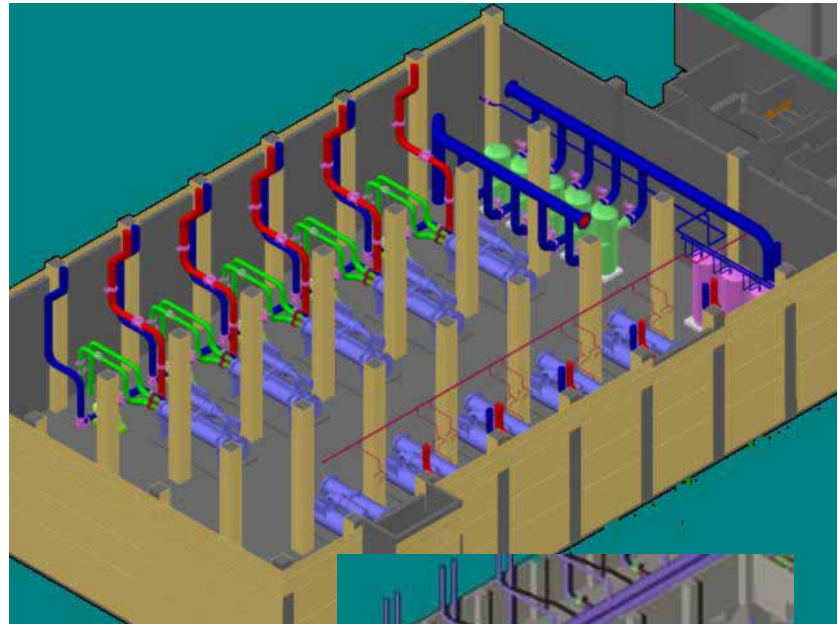
Due to the short time frame and fast-paced nature of the project, very close co-ordination is necessary with the civil activities and the execution is challenging. As all the long-lead items need to be imported, very close follow-up with suppliers and manufacturers is required as timely delivery of materials to site will underpin the success of the project.

United Arab Emirates

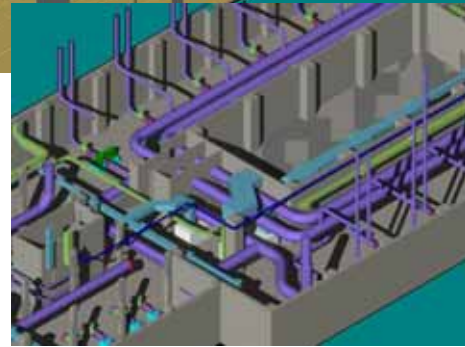
Kharafi National is participating as a prime contractor in the development of Jebel Ali Airport City in Dubai and has been awarded two contracts to construct and install the central utility complexes for the Cargo Village (CUC-1) and Dubai Logistics City (CUC-2). The client is Dubai World Central and the owner is the Dubai Government's Department of Civil Aviation. Each of these projects will be employing approximately 500 personnel at their peak.

KN's scope of work on these two projects is truly comprehensive. For CUC-1, the company will be constructing a chillers hall, administration block, medium voltage switchgear hall and a gas turbines building, which together will cover approximately 10,000sq m. CUC-2 will consist of a chillers hall, administration block and a medium voltage switchgear hall of about 5,000sq m overall.

The double-storey chillers halls will be built of reinforced concrete frames and will contain roof-mounted concrete basins for the cooling towers. The halls will be



All drawings for the central utility complexes for Cargo Village and Dubai Logistics City will be in 3D format.

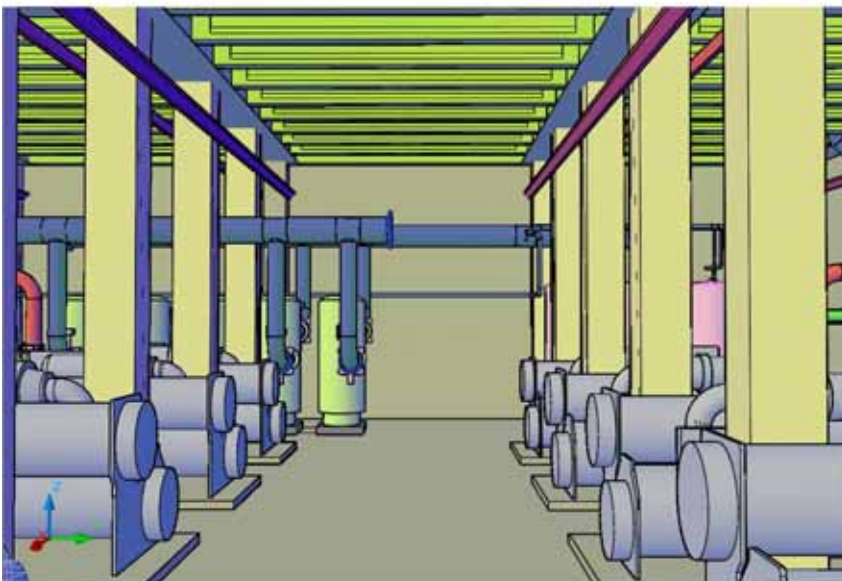


attached to the two-storey administration blocks and will be linked to the switchgear halls and gas turbine halls with a common basement. The company will be undertaking the complete works including civil,

structural, MEP and architectural finishing for the buildings.

The company will be installing water-cooled chillers with a total cooling capacity of 24,000 tons of refrigerant, along with associated cooling towers, chilled and condenser water pumps, related piping and ancillaries. KN will also be installing all the mechanical, plumbing, fire protection and the building management services for the buildings.

The scope covers all electrical power systems for the buildings including control and monitoring systems, distribution panels, switchgear, power transformers and power generating units along with the related cooling, ventilation, fire protection and sound attenuation systems, as well as the 6.6 KV gas turbine generators and all ancillary works.



The project includes the external services consisting of steel fuel and water tanks, access roads, paved areas, car parking, fences and gates and landscaping. Underground services, such as the water supply, fire fighting, hydronic piping, fuel and gas piping, irrigation, sewerage and storm water drainage systems and the 11 KV electrical distribution network to other buildings are also part of the project.

KN's Engineering Services Department in the UAE is currently preparing the necessary shop and detail drawings for the two projects, utilizing the Autodesk Building System (ABS) which is being used on Dubai Festival City plant rooms with excellent results. The ABS is described in a separate article in this issue of Transmission.

The two utility complexes are the first MEP projects in the UAE for which KN is adopting the 3D format for all shop drawings.

As the client has only issued the civil and structural drawings in 2D format, the ABS will be used to quickly redevelop these as 3D drawings. The MEP services will then be superimposed on these drawings in three dimensions. Using 3D drawing clarifies the MEP layouts and allows the site team to visualize the installation before execution and to plan ahead for any modifications that may be needed.

The ABS also gives an accurate count of all the material items that need to be procured, and helps track the materials issued to site.

Changing the layout automatically generates a modified bill of quantities, along with the related sections, schematics and isometrics, thus minimizing reworking, material wastage and material loss.

Jebel Ali Airport City



Jebel Ali Airport City will consist of a cluster of eight urban zones, each designed for a specific purpose – Jebel Ali International Airport, Dubai Logistics City, Commercial City, Dubai Exhibition City, Science and Technology City, Residential City, Golf Resort, and Aviation City. The city will be dedicated to the transportation, logistics and tourism industries.

The types of enterprises that will be established in each zone can be seen from their titles – Aviation City will contain businesses that service the airlines – and the activities of its zones have been carefully designed to complement each other. The entire Airport City project will cover 140sq km, about the same size as Manhattan in New York, and will eventually be populated by approximately 900,000 residents and workers.

At the core of the City will be Jebel Ali International Airport. This will have six parallel runways, each 4.5km long, allowing up to four aircraft to land simultaneously. It will be able to handle all next-generation aircraft, including the A380 super-jumbo. The airport will contain three passenger terminals and be able to cater for 120 million passengers a year, far more than any other airport in the world.

It will also have 16 cargo terminals with a total annual capacity of 12 million tons, hotels and shopping malls, 100,000 car parking spaces, as well as support and maintenance facilities for all types of aircraft. Jebel Ali will be linked by high-speed express rail to the existing Dubai International Airport.

Jebel Ali Airport City is being built in phases. Dubai Logistics City will be the world's largest multi-modal logistics hub for air, sea and road services. Located adjacent to Jebel Ali Port and Free Zone, it will be built during the first phase. Logistics City will include one of the runways for the main airport and is expected to be completed by September 2007.

Facilities Management

Obtaining repeat business time after time is a challenge and requires constantly maintaining the highest possible levels of service delivery so that the client's expectations are always met or exceeded.

The Seif Palace - The Seif Palace is located on the seaward side of a 1.25km stretch of Arabian Gulf Street in Kuwait City. The Palace has a total land area of 220,000sq m, of which 172,800sq m contains the buildings that house the administrative and executive offices of the government of Kuwait. The buildings are connected by underground corridors, and the main tunnel, called the spine corridor, is 800m long; it is serviced by a travelator. The grounds include a 244,000sq m closed lagoon.

KN has been operating and maintaining the Seif Palace since December 1999. The scope of work includes the supply, installation and maintenance of centrifugal chillers, HVAC, plumbing, fire fighting systems, electrical systems, low voltage systems, lifts, fire alarm systems, and the building automation system on this extensive site, as well as the central antenna for television and the standby emergency diesel-generator.

KN's first three-year contract was extended by 13 months to January 2004 when KN secured a further three-year O&M contract until January 2007. The Amiri Diwan, the client, recently awarded KN a five-year facility management contract that will run from February 2007 to January 2012. Five years is the maximum length allowed for such contracts under Kuwaiti law.

Obtaining more than twelve years continuous business is unprecedented in the region. In fact the new five-



KN Facilities Management's contract for the Seif Palace has been extended once again

year contract was awarded without re-tendering on the insistence of the Amiri Diwan, which submitted a statement to the oversight authorities stating that the Seif Palace, one of the most important government facilities in Kuwait, was being operated and maintained with the utmost efficiency by KN.

According to Operations Manager Refaat Zaki, FM's success is due to 'sustained above-average performance that builds a sound reputation for KN, stringent quality control, and strict compliance with all international HSE standards. In addition, we always respond quickly and positively to sudden requests and requirements from the Amiri Diwan and we provide the Diwan with ongoing advisory services.'

New Shuaiba Camp-3

FM is also constructing KN's new accommodation camp in Shuaiba, Kuwait. Camp-3 will contain 44 accommodation buildings, each with 18 rooms, two dining rooms, three recreation rooms, a gymnasium, a mosque, a laundry building and its own workshop, ie everything necessary to provide a comfortable communal home-away-from-home for KN's ever-expanding workforce.

The new camp is being built in three phases. Phase-1, consisting of the first eight accommodation buildings and one dining hall, is on track for completion by the end of March 2007. The entire camp is expected to be completed by the 31st May this year.

Shuaiba Camp-3, like the recently completed camp at Sulaibiya in Kuwait, will be a very comprehensive accommodation facility. By providing its workers with comfortable quarters, excellent recreational amenities, three well-balanced meals a day, as well as superior cleaning and laundry services, KN is ensuring high levels of productivity in the field and enhancing its reputation as a caring employer.

O & M Industrial Maintenance

The ABJ project to upgrade the plant paging system in Mina Abdullah refinery achieved an important milestone recently when the factory acceptance test of the new system was carried out successfully in the presence of KNPC representatives.

Successful turnarounds - ABJ is responsible for instrument maintenance at Mina Al-Ahmadi refinery, and took part in the major refinery turn around (MRTA) there which finished in December 2006. The MRTA required mobilization of significant additional manpower, tools and equipment. To ensure an accident free shutdown, extensive safety training sessions were held for the new employees. After four years of maintenance in the Mina Al-Ahmadi refinery, ABJ is on track to achieve three million man-hours there without an LTI.

KN also participated successfully in a recent general refinery turn around (GRTA) at Mina Abdullah refinery, where it has the contract for mechanical maintenance. The GRTA required the mobilization of 1,000 additional personnel as well as significant quantities of tools and equipment. The company received letters of appreciation from the client praising its performance and adherence to safety procedures during the shut-down.

The project team also received a letter of appreciation from KNPC for the efficient and successful completion of repair work on the Bona Pipe Main Sea Water Cooling Line that feeds Mina Abdullah refinery. This was a very challenging job and of major concern for both KN and the client, as the line runs deeply underground. The assignment involved handling special materials in an area with limited access on a tight schedule.

ABJ has an on-going contract for mechanical maintenance at PIC's facilities, including the Ammonia 2, Ammonia 4, Urea A and Urea B plants. Industrial Maintenance took part in a very successful major turn around for these plants. The scope of work included the maintenance of low, medium and high pressure vessels, and various civil and scaffolding works. KN has received letters of appreciation from PIC praising its performance and adherence to safe working procedures throughout the shutdown.

New KNPC contracts - KN's professional service-delivery on various maintenance projects has enabled the company to secure two further contracts from KNPC. The first is to add new field instruments into the existing distributed control system at Shuaiba refinery.

The DCS is mainly used to monitor and control various automated processes via satellite houses located in different areas of the refinery, the main system being centred in the refinery's operations control room. The second, a four-year contract, covers the replacement of all UPS units at Mina Abdullah refinery.

Both these contracts are technically challenging as they involve working in plants while they are actually operating and success will require good planning and close co-ordination with the client.

Water and sewage - Industrial Maintenance is also going from strength to strength in the water and sewage sector in Kuwait, where it is an acknowledged leader. Recently it obtained two further contracts from the Kuwait Ministry of Public Works.

The first of these is a three-year contract for the operation and maintenance of Abdaly pumping station at the data monitoring centre in Sulai-biya, where treated sewage water is received and stored in reservoirs and then distributed through a network of pipelines to Abdaly Farms and other areas in northern Kuwait for irrigation purposes. The scope of work covers the monitoring and control room, the transmission system, the reservoir system and the distribution network. KN will also be providing 130 additional connections for new farms and some other works.

The second award, for the maintenance of the sanitary drainage network in Jahra Governorate, is also a three-year contract. The scope of work includes cleaning, CCTV inspection and the replacement of damaged portions of the network, and mobilization is expected to begin in mid-February 2007.

Egypt

In November 2006 Egypt National handed over phase two of the Marsa Alam power plant to the client, EMAK for Utilities and Services. The addition of phase two to the existing plant, which consists of four diesel units of 3.4 MW each, ensures that the power being demanded by Egypt's newest town and resort on the Red Sea coast can be met.

Construction of the new plant, which contains two 8.6 MW diesel engines, was on an EPC basis. Egypt National was the main contractor and its scope



Phase 2 of the Marsa Alam power plant has been handed over by EN

of work included all design work, from concept through to detailed shop drawings, the procurement of all materials both local and imported, and the site construction activities for the power house area, the external auxiliary areas for the engines, the tank farm and fuel treatment area, and the electric annex area, as well as other items such as the unloading pumps, roads, gates and security fences.

Work started on the 15th June 2005 and finished 17 months later. The success of this project has put KN firmly on the map as a reliable EPC contractor in Egypt.

Utilities & Infrastructure

KN is continuing to build its strength in water networks and was recently awarded several very worthwhile contracts by the Ministry of Energy (Electricity & Water) in Kuwait.

The first of these is a 36-month contract to maintain the public water networks, both for fresh and brackish water, in the south-eastern part of Kuwait. The scope of work includes the regular maintenance of all pipeline valves, the taking of daily readings of water pressure, and the detection of network leaks, as well as all emergency repairs. The scope also includes

the supply of pipes and pipeline materials, including valves and meters, the replacement of defective pipes, and the performance of civil works relating to the repair and replacement of pipelines and their ancillaries.

This is the fourth consecutive time KN has been awarded this contract in the face of stiff opposition, a clear testimony of the quality of the company's work in utilities and infrastructure.

The second award is a 36-month contract to install street lighting equipment covering all geographical areas in Kuwait. The scope of work entails KN taking delivery of lighting equipment from the Ministry's stores and installing and testing it as instructed.

Equipment Division

KN's fleet of equipment is continuing to expand rapidly.

First crawler crane added to fleet - During October 2006 KN's Equipment Division took delivery of its first crawler crane, a Liebherr Model-LR 1160 from Germany. The crawler has a capacity of 160 metric tons, a 43.4m long boom and 40.55m luffer jib that extends its reach and capacity compared to a conventional crane. This type of crane has the advantage that it can move while lifting a load.

The crane and its accessories were conveyed from Shuwaikh Port to the division's new workshop facilities at Mina Abdullah using 14 trailers and two low-beds, after which it took an entire week to assemble, commission and load test the crane. The supplier sent two technicians from Germany to help in this huge task. These experts also trained the



Equipment Division's engineers and technicians on the operation and maintenance of the crawler.

New 350 ton crane - The Equipment Division also received a Demag AC 350 SSL during October from the Netherlands.

This crane has a capacity of 350 metric tons and a boom length of 56m. It has a special 18m SSL Super Lift swing away jib and a 72m luffer jib. It is the highest capacity crane in Equipment Division's fleet.

The crane has been assembled, commissioned and load tested and is ready for operation.

KNDU

Sales at KNDU are expanding. Over the last couple of months the Unit secured orders for three CASE telehandlers, four recycling plants, a number of generators, as well as light towers for Kuwait's National Guard. KNDU expects to be playing a significant role in the equipment market in Kuwait during 2007.

Middle East Service Training – CASE Equipment - During November 2006, KNDU was the venue for the Second Middle East Service Training Session on Case Equipment. Jean Sulecki, a service trainer from CNH–CASE, conducted the one-week training program at KNDU facilities in Ahmadi, Kuwait.

As well as staff from KNDU and the Equipment Division, technicians from CASE authorized dealers in Oman, Qatar, Iran and Bahrain attended. The technicians were trained on the latest service techniques in CASE telehandlers and backhoe loaders.

The choice of KNDU as the venue for the training session was based on KN's excellent reputation as an agent with its principal CNH–CASE.



KN's first crawler crane, a Liebherr Model-LR 1160



The new Demag AC 350 SSL is the highest capacity crane in KN's fleet.



KN was the venue for Middle East Service Training on Case equipment

Ethylene Glycol-2 Project

Kharafi National's participation in the construction of one of the most advanced ethylene glycol plants in the world is a clear indication that KN's construction capabilities now equal the best in the region.

Construction of a grassroots ethylene glycol unit in the Shuaiba Industrial Area in southern Kuwait began in July 2006 and is on schedule for completion by May 2008. The plant will have a total production capacity of 600,000 metric tonnes per year.

Known as Ethylene Glycol-2 (or EG-2) because it is the second such unit in Kuwait, the plant is being built for The Kuwait Olefins Company ksc. TKOC is a joint-venture in which the majority partner is Petrochemical Industries Company (PIC), a wholly-owned subsidiary of Kuwait Petroleum Corporation, the mother-company responsible for all hydrocarbon-related activities in the State of Kuwait. The minority partner is Dow Europe Holding bv, a wholly-owned subsidiary of The Dow Chemical Company.

EG-2 is part of TKOC's planned Olefins II ethylene and derivatives complex, known as OL2K for short. EG-2 is being located centrally within this complex, north of the Equate plant, west of PIC's plant-A and south of KNPC's Shuaiba refinery. The plant will use Union Carbide's Meteor ethylene oxide and ethylene glycol process technology, making it one of the most advanced and efficient, and also safest, ethylene glycol plants in the world.

Kharafi National was awarded the general construction contract for EG-2 by TKOC. KN's scope of work includes all civil, mechanical, insulation, painting, electrical, instrumentation and pre-commissioning works. World Services Italia is providing construction management services and represents the client, TKOC, on site.

Construction of the plant will involve KN in the installation and commissioning of heavy and medium weight steel structures and equipment such as columns and towers, reactors, vessels, heat exchangers, pumps, motors and transformers and various types of steel and fiber reinforced plastic (FRP) pipes. KN's scope of work includes the engineering, procurement and construction of a two-storey substation building along with all related HVAC, electrical and fire alarm works.

To carry out its work, KN will be excavating about 28,000cu m of deep foundations, pouring approximately 14,000cu m of reinforced concrete, erecting 7,500 tons of equipment up to heights of 85.9 meters, erecting 3,000 tons of steel structures, fabricating and erecting 250,000 inch diameters of steel piping and 350 tons of pipe supports. The company will also be painting approximately 62,000sq m of piping, insulating about 42,000sq m of equipment and piping, installing 190,000m of electrical and instrumentation (E & I) cabling and erecting approximately 40,000m of E & I cable tray works. KN will have approximately 1,500 manual and non-manual employees on site at the peak of the project.

The EG-2 project is one of the largest construction projects yet undertaken by KN in the hydrocarbon sector. The company was awarded the contract directly by the owner, and not as a sub-contractor, confirming that Kharafi National is now a major player in the construction sector in Kuwait.

Project Brief Ethylene Glycol-2 Project

Client:
Kuwait Olefins Company

Client's Representative:
World Services Italia

Project Management Consultants:
Fluor International

Engineering & Procurement:
Foster Wheeler Italiana

Start: *July 2006*

End: *May 2008*

Duration: *22 months*

Employees: *1,500 at peak*

Project Number: *1272*



Ethylene Glycol-2, one of the largest construction projects yet undertaken by KN in the hydrocarbon sector, is currently under construction

Ethylene Glycol - In its pure form ethylene glycol, also known as mono-ethylene glycol or MEG, is an odourless, colourless, syrupy liquid with a sweet taste.

Ethylene glycol is produced from ethylene. Ethylene, a by-product from the refining of crude oil, is mixed with oxygen to create ethylene oxide (EO), which in turn reacts with water to produce ethylene glycol. The reaction can be catalyzed by either acids or bases. It can also occur at neutral pH under elevated temperatures. The highest yields, 90 percent, can be obtained at acidic or neutral pH with a large excess of water.

The process produces ethylene glycol oligomers, such as di-ethylene glycol, tri-ethylene glycol and tetra-ethylene glycol, as by-products.

Uses - Due to its low freezing point, ethylene glycol is used as an additive to coolant in vehicles and personal computers, and as a de-icing fluid for windshields and aircraft. Its anti-freeze properties have also made it an important component of vitrification mixtures for the low-temperature preservation of biological tissues and organs.

Ethylene glycol is becoming increasingly important in the plastics industry for the manufacture of polyester fibers, which are used as textiles, and resins, such as polyethylene terephthalate (PET) which is used to make plastic bottles for soft drinks.

Ethylene glycol's high boiling point and affinity for water makes it an ideal dehydrator in the production of natural gas, where excess water vapour can be removed by glycol.

Autodesk Building Systems Deliver

Kharafi National's Engineering Services Department is using Autodesk® Building Systems design and documentation software to produce exceptionally clear, well-coordinated construction drawings. Jean Abi Aad, Corporate Engineering Manager, looks at how this software has cut drafting time and increased productivity.

In order to streamline the construction process, improve productivity and long-term profitability and thereby help KN become the market leader in mechanical, electrical and plumbing works, we recently standardized on Autodesk Building Systems. ABS is a design and documentation system for MEP engineers, designers, and drafters that is based on AutoCAD® software.

After careful review, we decided on Autodesk Building Systems for a variety of solid reasons. That ABS is perhaps the leading design and drafting software in the world and one of the most used certainly induced us to consider it carefully. It is very easy to use and has some outstanding features.

For example, its three-dimensional capabilities are excellent. We can create a model in full-3D generated from 2D drafting detail using Revit software, which can be viewed from any angle, which in turn forces the designer to think three-dimensionally. ABS will also create section views at the click of a button. Another extremely important feature is that the software creates equipment lists and quantities and then, when drawings are modified, automatically updates these lists.

KN first used Building Systems on the Dubai Festival City project in the



Jean Abi Aad

UAE, where the company was contracted to engineer, procure, install, test and commission the MEP works for Zone 8. To complete these works for this large and complex project on time, we needed to improve productivity and streamline the construction process. It was also crucial to avoid errors that would cause delays or increase costs.

Using Autodesk Building Systems, we were able to easily reference the plans developed, using AutoCAD software, by architects and structural engineers.

By taking advantage of the AutoCAD-based architectural and engineering workflows between these disciplines, we were able to provide

very high levels of accuracy and coordination in their design and documentation.

Because Autodesk Building Systems links design data with other project information, such as schedules and elevations, we were able to streamline work on the project by producing detailed sections in seconds rather than hours. When designers made a change, sections and elevations were updated with a mere click of the mouse. This saved time and helped ensure accuracy in the design. Because each design change was reflected in real time, tedious manual updates were minimized. This feature cut the overall time required for revising and editing a drawing by a significant amount.

We found the software's dynamic scheduling feature equally powerful. ABS updated the schedules whenever there was a design change, thus saving even more time.

Autodesk Building Systems was particularly useful for work carried out on the mechanical rooms for the project. One of the more complex rooms has five chillers. Instead of doing the work by hand, CAD engineers used ABS to coordinate the ductwork, piping, and the existing structure. Using the powerful visual design coordination capabilities of the systems, we were able to lay out

these extremely complex rooms easily, while knowing ahead of time whether the various pipes, wires and ducts would interfere with each other. ABS made it a lot easier for us to coordinate the plant and mechanical rooms.

As one of the first companies in Kuwait and the Middle East to go live with this software, we have already used it successfully on several major projects, including Al Babtain and Arraya office tower projects.

From now on all new works in the Kuwait and Dubai will be completed using ABS. The cost of the system was repaid in improved output in about six months.

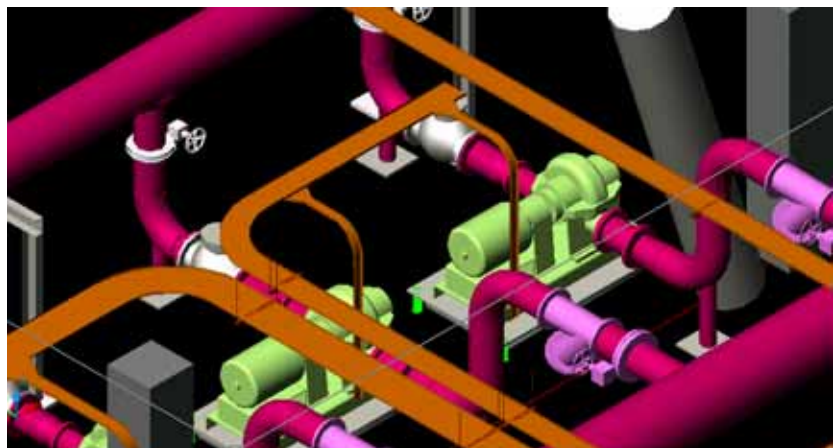
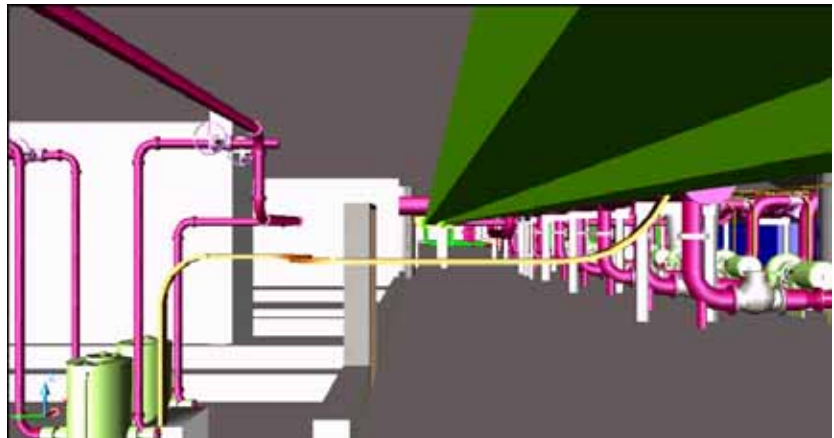
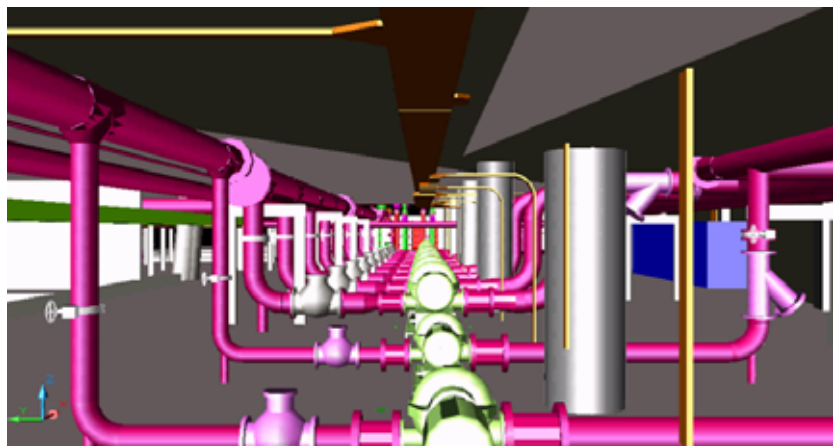
We have also found that the more we use it, the more efficient the system is becoming for us. We have developed an extensive block library of parts, covering most products and equipment used by KN, for insertion into ABS.

This library is continually being expanded as we draw the parts we don't yet have and add them to the database – thus continuously improving the time-saving and productivity values of the systems.

To ensure that we make the fullest use of the systems we now have our own expert in-house, a CADD engineer dedicated to ABS. When reviewing our use of ABS, Autodesk personnel stated that KN's skills and comprehension of the systems were the best in the Middle East.

KN's use of the ABS software has been highlighted on the Autodesk website: www.autodesk.com/abs. Once the site has opened, click on Customer Stories and then Take the Lead.

3D models developed in ABS streamline the production process



Adding value through internal quality auditing

Internal auditing is widely used to verify the compliance of a management system against requirements. A systematic audit, focused on correct criteria and carried out objectively, will improve management confidence in their systems. However establishing the right auditing system is very important in creating a healthy quality assessment system. Sakkeer Hussain, Unit Head of KN's quality auditing function in Kuwait, explains.

The most important challenge of internal auditing is to create a positive understanding of the auditing process throughout the organization. In the past, the term auditing was widely misinterpreted as a 'policing activity'. Auditing however has a broader definition. The ISO 9001:2000 standard defines auditing as a 'systematic, independent and documented process for obtaining audit evidence and evaluating it objectively to determine the extent to which audit criteria are fulfilled'. The important term in this definition is 'audit criteria'.

In Kharafi National we maintain an effective internal control structure. It consists of organizational arrangements with clearly defined lines of responsibility and delegated authority and a well-established quality management system. To ensure effective implementation of this system we carefully select and train our employees, constantly improve our procedures, provide appropriate communication channels, and foster an environment conducive to continual improvement.

We have now successfully moved beyond departmental activities to the level of integrated business processes, and have become a team-based organization that produces only winners rather than winners and losers.

The basic criteria for our internal auditing are KN's quality management system, which consists of a quality manual, administrative and department work instructions, and technical work instructions, as well as external documents such as contractual/client specifications and national and international standards.

Our auditing process pays much attention to the integrity of work processes, to assisting auditees to identify opportunities for improvement and to add value. Going beyond traditional auditing, we assess the effectiveness of processes, focusing on possibilities for eliminating rework and scrap by encouraging our workforce to 'do things right the first time'.

Unlike most conventional conformance monitoring, our internal auditing provides factual data that aids auditees in setting targets for continual improvement by encouraging them to identify bottlenecks and to share knowledge from lessons learned.

The commitment and support of senior management has enhanced our role as internal auditors and given it more power and transparency. Each audit report is presented to DMD Samer Younis, who reviews it and comments upon it. He says: 'Internal

quality auditing enables me to see how well the systems and processes are managed in the projects and departments in order to ensure the high levels of discipline and efficiency that make KN superior to its competitors'.

Our quality management system is now well positioned to implement the controls needed to ensure even greater levels of client satisfaction. But we need to pay more attention to the effectiveness of processes and to adding more value by identifying opportunities for continual improvement. In this context, each employee at KN has an important role to play as a responsible auditee for the continuing success of KN.



Sakkeer Hussain



Sabah Al-Ahmad Nature Reserve

Kharafi National's corporate values include the belief that the company has a fiduciary duty to protect the environment. KN demonstrated this commitment in a very practical way when it carried out certain works, without charge, for the Sabah Al-Ahmad Nature Reserve in Kuwait.

Originally called Kuwait National Park, the Sabah Al-Ahmad Nature Reserve spreads inland from the northern shore of Kuwait Bay across the Jal Az-Zor escarpment. The 320sq km reserve has diverse landscape features and contains plant and animal life forms from both coastal and terrestrial ecosystems.

This nature reserve was the first area established in Kuwait to protect the country's natural heritage and provide research opportunities on indigenous flora and fauna. The reserve was badly damaged in 1990-91 during the invasion, occupation and liberation of the country. KISR, the Kuwait Institute for Scientific Research, and other authorities have been active in recent years in attempting to rectify the damage.

The military activities in 1990-91 caused severe harm to the area's infrastructure, land, native vegetation and wildlife habitats. Bunkers and foxholes were constructed throughout the reserve and mines were laid from the coastal front to the wadis and gullies in the Jal Az-Zor escarpment. The constant movement of heavy military vehicles and equipment disturbed the delicate surface and compressed the soil. Following liberation, foxholes and bunkers were refilled with excavated and transported soils.

The result was a severe negative impact on soil structure, and on the composition and diversity of vegetation species and wildlife throughout the area. Natural recovery under Kuwait's harsh arid climatic conditions is slow and needs to be enhanced by human intervention. Currently studies to assess the situation are being carried out, along with on-going remedial action.

To help in the rehabilitation of the Sabah Al-Ahmad Nature Reserve, Kharafi National fabricated and donated a number of 5sq m cages for use as shelters for animals and birds in February 2006, through Kuwait's Voluntary Works Centre. KN completely renovated two chalets in the nature reserve, one a residence, the other a prayer hall, free of charge. The work included supplying and installing all electrical fittings and services, insulation, internal decorations, doors, windows, floors, ceiling and walls, and air-conditioners. The company also donated two Toyota double cabin 4WD 2,700cc pick-ups for use on the Reserve.

ABJ triumph in 6th Ramadan Soccer Tournament

The ABJ Workshop team won the final match of the Sixth KN Ramadan Soccer Tournament by beating P&C Unit A (Project 1264) two goals to one on the evening of Thursday the 19th October 2006. P&C Unit A (Project 1292) took third place.



Twenty-eight teams took part in Kharafi National's 6th Ramadan Soccer Tournament which kicked off at Al-Nasser Sports Club in Ardiya, Kuwait, at 9:30pm on the 30th September 2006 with a parade, followed by flag hoisting and cake cutting ceremonies.

Seven guest teams from KOC, KNPC, MAK and Alamiyah Building Company, all clients of KN, took part. The remaining 21 teams were drawn from KN projects and departments.

The management match – in which Project Operations, captained by Hossam Fawzi, beat Support Services Departments, lead by Rafiq Mikhail, by four goals to one – kicked off the tournament.

The first phase of the tournament was organized on a group league basis, with four groups of seven teams each. Each

team had seven players plus a goal-keeper, and three substitutes.

The first and second winners in each group went into the second round which was conducted on a knock-out basis. Eight teams qualified for the quarter-finals and these four matches took place on the 15th October. The semi-finals were played on the following two days.

Support for the tournament was excellent. All the matches were well attended and the teams were cheered on at every opportunity by their supporters. There were prize draws each evening with surprise gifts for lucky spectators.

Special matches for the children, aged 6 to 12 years, of KN employees were held on the final evening. Forty children took part and they were grouped according to their ages into four teams named after famous teams in the world cup: Argentina, Germany, Italy and England. All the children played well which was no wonder as they had been trained earlier in two special sessions under Messrs Merdic, Cherian and Faizal. Medals and certificates were distributed to the budding champions by Mrs Samer Younis.



The children's matches were followed by the final of the 6th Ramadan Soccer Tournament, after which the trophy and medals were distributed by Nicola Coccioli, Adel Samara and Mohammed Al-Kholi on behalf of DMD Samer Younis, to a backdrop of balloons, bunting, colourful lighting and two laser lights that beamed triumphant rays to the heavens.

The key objective of KN's annual Ramadan soccer tournaments is to foster a spirit of team work within the company. Once again, the Ramadan Soccer Tournament has shown that participation, sportsmanship and team building are more important than trophies and medals.

Senior management thanks everyone in KN for their whole-hearted support, with special acknowledgements to Rafiq Mikhail, head of the organizing committee, deputy head Ali Sakkijha, and co-ordinator Jomon Cherian for ensuring the success of the games.



The Winning Team - ABJ Workshop



Children's Teams - Italy & Argentina (above) and Germany & England (below)



6th Ramadan Soccer Tournament

Winning Team

ABJ workshop Team
(Captain Wafeeq Sharif)

First Runner-up

P & C Unit A – Project #1264
(Captain Mohamed Abdel Wahab)

Second Runner-up

P & C Unit A – Project #1292
(Captain Mohammed Zaki)

Ideal Team

KNPC – Mina Al Ahmadi Refinery
(Captain Rasheed Al-Bader)

Ideal player

Mohammed Al Kholi
(MAK Construction Team)

Top scorer (14 goals)

Momamen Hassan Mohammed
(P & C Unit A – Project # 1264)



Excellence in Safety Performance

Despite rapid expansion in all sectors, Kharafi National is achieving remarkably high levels of safe working and is well on its way to becoming a standard-setter for excellence in safety, as noted by B Kandasamy, Unit Head-HSE.

The prime indicator of the level of safety being achieved by individual projects in the construction industry is the number of man-hours spent working without any incidents or accidents that result in lost time. Some of KN's projects have achieved remarkable results on this basis:

<i>Man-hours without an LTI in excess of:</i>	<i>Project</i>	<i>Project name</i>
10 million	1186	Effluent Water Disposal Plant, Kuwait
4.5 million	2010	Dubai Festival City, UAE
4.5 million	1264	Facility Upgrade Project, Kuwait
4 million	1234	Mechanical Maintenance at KNPC, Kuwait
2 million	1212	O&M of Mubarak Al-Kabir and Adan Hospitals, Kuwait
2 million	1032	Maintenance of Instrumentation and Control Systems in Mina Al-Ahmadi Refinery, Kuwait
2 million	1279	O&M of Al Oula Gas Stations, Kuwait
1.5 million	1211	O&M of Ahmadi Hospital, Kuwait
1 million	1220	O&M of Seif Palace, Kuwait
1 million	1031	Maintenance of Telecommunication System within KNPC facilities, Kuwait

These achievements reflect KN's on-going quest for safety excellence combined with the safety efforts of everyone involved in these projects. One of our most fundamental values at Kharafi National is our commitment to employee safety, which is why we have a relentless focus on safety supervision, safety awareness, safety training, teamwork and communications.

At KN, safety elements are incorporated into every job description. This requirement for safety in every job function is based on our belief that the commitment of each and every employee to safe working at all times is crucial to achieving the highest possible safety standards in practice.

By instilling a sense of 'professionalism in safety' throughout the company, KN is well on its way to achieving another worthwhile objective – which is to be the standard-setter for safety excellence in the construction industry in Kuwait.

Don Brown, KN's HSE manager, conducting a safety training session for KNPC employees.

Safety Training for KNPC



KN employee wearing full safety equipment on the roof of the Jaber Al-Ahmad Stadium

In December 2006, Kharafi National's HSE department conducted safety training for selected staff of KNPC, which is one of KN's major clients in the oil and gas sector. Opened by Don Brown, corporate HSE manager, the safety sessions concentrated on the hazards encountered in various construction and maintenance activities and related best safety practices. KNPC's choice of KN for safety training reflects the outstanding reputation for safe-working that Kharafi National now has in the region.



Employees of the Quarter

The winners of the Employees of the Quarter Awards for the Fourth Quarter of 2006 were:



The Runners-up were:

NON-MANUAL EMPLOYEES

Benedict Rodrigo, a secretary on project 1272, for his sincerity, commitment, and high level of performance, and for being flexible in his working hours.

Bashar Fares, an equipment engineer in cost centre 9140, for his outstanding contribution and commitment to his work, his interest in new technology and his willingness to learn and share his knowledge with others.

Vincent Mathew, a secretary in cost centre 9168, for being a committed team player with excellent interpersonal skills who is always willing to assume additional responsibilities.

Diana Nabil, an equipment administrator in cost centre 9169, for her outstanding commitment to her duties and her good organizational skills.

Hani Said, an assistant superintendent of equipment in cost centre 9185, for his exemplary perform-

Joseph Tannous,

a general mechanical foreman on project 1265, for being a good team leader who always welcomes additional responsibilities, his pro-active attitude, and the speed and accuracy of his work.

Abdul Bary,

a scaffolding foreman on project 1265, for his hard work in general and, in particular, for undertaking additional responsibilities by assisting in the construction of temporary facilities.



ance, good interpersonal skills, and his commitment as a team player.

Mostafa Galal, a HVAC site engineer on project 1179, for his hard work, commendable leadership and follow-up abilities, and for undertaking additional responsibilities on project 1280.

Periyasamy, a microbiologist on project 1229, for being a focused, committed, well experienced, and hard working employee.

V Sudhakaran, a storekeeper on project 1034, for being a good material evaluator with extensive knowledge, and for saving costs during his handling of the PIC shut-down in November 2006.

MANUAL EMPLOYEES

Krishnamoorthy, a piping foreman on project 1272, for his willingness to learn, the speed and accuracy of his work, and his ability to prepare high caliber reports.

Mounier Mansoob, an engine mechanic in cost centre 9140, for his commitment to his job and the quality of his work.

Angelito Bael, a mechanic in cost centre 9169, for his dedication, hard work, multi-tasking capabilities, and his willingness to learn.

Anil D Souza, a mechanic in cost centre 9185, for the high level of his commitment, the quality of his work, and for being a good team player.

V C Pillai, a pipe fabricator on project 1280, for being dedicated, hard working, and well motivated, an ideal worker who takes the initiative in learning and improving his performance.

P Joseph Roles, a plant operator on project 1229, for being a well-focused, highly experienced, hard working employee who is dedicated to his work.

George Chacko, a pipe and vessel foreman on project 1034, for his knowledge, loyalty, hard work and experience, and for his valuable contribution to the PIC turnaround in November 2006.

Surendranath, a plumbing foreman with project 1288, for being a hard working team player, who is highly experienced and has an excellent knowledge of his job.



Mohamad Kassab receiving his prize from Nelly Haddad of Learning & Development



Ziaul Haque (right) receiving his prize from Abdul Hamid - HR Admin Unit Head



Hesham Nazmy Hakim (left) receiving his prize from project manager Ahmed Rushdi

KN's e-learning programmes are becoming extremely popular for personal skill development within the company.

These programmes are teaching employees the fresh skills – team building, coaching, leadership, negotiating – that prepare them to be ready to apply this newly gained knowledge.

But as well as gaining knowledge and enhancing skills, our e-learners have a stimulating chance to win some very worthwhile prizes.

Complete at least ONE Course with 80% Marks during the month of February 2007 and you will be entered in a draw, which will take place on the 5th March 2007, to Win THREE prizes.

For each course you complete with a score of at least 80% you are entered in the draw. With two courses you double your chances of winning.

Learn More & Increase Your Chances!

Full details of all e-learning courses and your chances to win from HR Corporate Learning & Development Unit

Congratulations to:

Ziaul Haque, a secretary on project 9115
Hesham Nazmy Hakim, site engineer on project 9193
Mohamad Kassab, a graduate engineer on project 1265
who each drew a prize for their e-learning efforts during December 2006.

The Rewards of Learning at KN Never End



Transmission

Remembrances

The DMD, senior management and all staff in KN offer their sincere condolences to the families and friends of colleagues who died recently.



Kumaran Gopi, 43, who was from India, died of a heart attack in Kuwait on the 29th October 2006. He was a welder on project 1001 and had been with KN since June 2002.

Ramashery Sahani, 35, died of a heart attack on 9th November 2006. An Indian who worked as an electrician on project 1179, he had been with KN since December 1998.



Ibrahim Abdel Rahman, 62, died on the 29th November 2006 from liver disease. A Palestinian project engineer who worked on project 1303 he joined KN in January 2006.

Abdul Karim Qaim Ali, 54, from Pakistan, a rotating equipment mechanic on project 1001, died on 3rd December 2006 of a heart attack. He joined KN in September 2005.



Suraphon Deydieo, 30, from Thailand, died of a heart attack in his home country on 17th December 2006. A welder on project 1264, he had been with KN since July 2006.

Faustine Pinto, 56, a mechanical supervisor on project 1260, died of a heart attack on the 7th January 2007. He was from India and had been with KN since February 2000.



May their souls rest in peace.

Best Wishes to...

Imad Jawhar, a safety officer with project 6001 in Lebanon, on his marriage to Labibah Jbeily on the 16th September 2006.



Robert Rahmeh, a systems engineer in Lebanon, on his marriage to Marie-Noelle on the 14th of October 2006.

Haissam Ali Arhil, a project engineer on LUC in Lebanon, on his marriage to Mona Ismael on the 5th November 2006.



Ahmed Helmy, a procurement assistant with EN, on his marriage to Shaimaa Ezat on the 4th November 2006.

Mirza Abbas Raza, a human resources officer, on his marriage to Laila Fatima on the 3rd December 2006.



Congratulations to...



Mohamed Ali Samra, a superintendent in the administration unit, whose son Ali was born on the 7th October 2006.

Anas H Jabban, a secretary on project 1212, whose son Bashar was born on the 15th November 2006.

