

## ACES 9th Annual Conference-Reviving ACES

ACES held its 9TH Annual Conference on December 10-12, 2013 at Al Bustan Palace Hotel in Muscat, Oman under the theme " Reviving ACES". The attendees included the Partners & Directors of ACES, Dr. Izz Eddin Katkhuda & Dr. Omar Abdulhadi, the Regional Manager for KSA, Jordan and Yemen, Dr. Amjad Barghouthi, and 10 managers from the corporate headquarters and regional offices. The conference was a great success by every measure, including highly informative presentations by the attendees, visit to ACES Muscat offices, city tour and entertainment.

ACES takes this opportunity to thank Eng. Emad Sharif, ACES Dubai & ACES Muscat Manager and the conference organizing committee for an excellent and professional organization of the 9TH Annual Conference.



## ACES Continues Supporting the Gift of Life Charitable Society (GOLA)

Based on its corporate social responsibility values and its interest in serving the local community, and in an effort to lend a hand to the children in need, ACES continued its support of the Gift of Life Charitable Society(GOLA), by donating six thousand dinars to conduct a heart surgery for a child who suffers from chronic heart disease.

Dr. Omar Abdulhadi, the Partner & Director of Arab Center for Engineering Studies (ACES), stated in this regard that ACES is always dedicated to lending support to the local community in general and saving the lives of children and facilitating their treatment in particular, stressing on the fact that this forms part of ACES values and involvement in charitable initiatives and noble causes to extend a helping hand and assistance to the needy in the local community.



It is worth noting that ACES is a member of the Global Compact Program since 2008, and is very active in CSR activities, including the contribution to the well-being of the Society, the preservation of the environment, the improvement of health care and education and the protection of ACES employees, among other initiatives.

## Static Load Testing On Piles Using Bidirectional O-Cell



ACES Dubai is pleased to announce the successful execution of the first bidirectional (O-cell) test in Oman. The project name is Bid - Sur road, the Piling contractor is Geomar, the main contractor is Astaldi -Uzkar, the consultant is Dar Al-Handasah and the client is the Ministry of Transportation - Oman.

Test Load: • 22500 Km • Diameter: 120 cm • Length: 20 cm

The field operations were directly followed (day and night) by Eng. Santhosh Paul, Pile Testing and Instrumentation RCE Manager, and his team. ACES would like to congratulate them for this significant challenge and success, which adds to ACES scope a new and a very important test. ACES Dubai has at present several confirmed jobs in Dubai and several other on-going quotations for O-Cell tests which are quickly becoming replacements to conventional testing procedures. ACES Dubai shall be pleased to provide these services else where to any of ACES branches.

## ACES Khartoum Participates in Sudan Projex Exhibition

ACES Khartoum participated in Sudan Projex Exhibition-The Global Exhibition for The Sudan project -that was held in Khartoum International Fair Ground, in Burri, from the 10th to the 13th of December 2013. It was organized in cooperation with Egyptian company ( Arabian Group for Development ) & Sudanese company (Akam advanced technical co.). It took place under the patronage of Minister of Industry.

The four-days event welcomed 10,000 visitors to Khartoum International Fair Ground from different countries , where they took advantage of the opportunity to gather information about building construction and retail industry, engineering and technology, agro food industry etc. The visitor profile included attendees like architects, builders, building merchants, building and housing institutes and associations, civil and consulting engineers, financiers, government departments, land and quantity surveyors, planners and property developers.



## Drillers Training

The quality of drilling of soil & rock highly depends on the performance of the drillers, in addition to drilling rig and tools quality and features. ACES Dubai recently conducted comprehensive workshop with all drillers and geologists to improve the performance towards better quality and production rates.

## ACES Jordan Appoints a New General Manager

ACES is pleased to announce the appointment of Dr. Ibrahim Asi as General Manager for ACES Jordan starting the 1ST of January 2014. Dr. Asi has served ACES since 2010 as manager of ACES Regional Excellence Center for Pavement Studies & Evaluation. He has obtained his B.Sc. in Civil Engineering in 1983, M.Sc. in 1986 and Ph.D. in Transportation, Pavement Material option, from King Fahd University of Petroleum & Minerals, Dhahran, Saudi Arabia, in 1996. He worked for nine years as an assistant and associate professor in the civil engineering department at Hashemite University in Zarqa, Jordan and five years as an assistant professor at King Fahd University of Petroleum & Minerals, Dhahran, Saudi Arabia. He also taught over twenty short courses, completed fifteen funded research projects, authored over 100 journal and conference papers that appeared in leading international periodicals and conference proceedings. His fields of expertise are highway and airport materials, modification, design, construction specification, evaluation, maintenance, management and quality control methods.



**Dr. Ibrahim Asi**  
**ACES Jordan Manager**

## JAS Test -028 & 005 Certificates

The continuous efforts of ACES Jordan employees, engineers and technicians, were recently crowned in the renewal of JAS Accreditation certificates for agricultural department (JAS028) and for material department (JAS005).

ACES takes this opportunity to congratulate everyone from the agricultural and material departments, as well as the Procurement, IT, and HR departments for the kind efforts that they put to pass the initial visit of JAS and wish continued progress for all ACES departments.

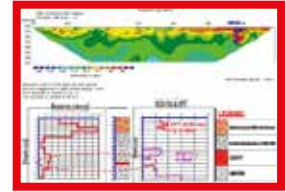
*Congratulations*



# Selected Major Projects

## ACES Dubai

- The Geophysics Regional Center of Excellence has recently performed a prestigious project at Jabel Hafeet, Al Ain to investigate and evaluate the likely risk of subsurface cavities within the site up to the specified depth of significance of 30m. Electrical Resistivity Tomography (ERT-2D), was proposed/specified and used for subsurface cavity detection. The geophysical results were calibrated and verified by direct drilling which showed remarkable conformity. Subsurface anomalies with different levels of severity has been identified within the site at different depths. A risk assessment map was developed accordingly, which identified areas of high, medium and low risk zone.



- ACES Dubai was recently awarded the Site Investigation for the prestigious Dubai Creek Crossing-Seventh Crossing Corridor-Al Itihad Bridge. The geotechnical work includes land and marine boreholes and cross hole seismic testing. The project is awarded by M/s. Parsons and the client is M/s. RTA.



## ACES Doha

- ACES Doha recently started work at "Construction of Abu Hamour (Musaimmer) Surface & Ground Water Drainage Tunnel - Phase 1" Project, with Impregilo SPA-Qatar branch. The expected cost for the project is QR 700 Million. The project includes the construction of a 9.5 kilometer long main water collection tunnel with 4.5 meter excavation diameter along with the construction of 21 access wells of different diameters and with depths from 15 to 30 meters. ACES scope of work in the project includes physical and chemical testing for different kinds of construction materials (soil, asphalt, concrete, etc).

## ACES Jordan

- ACES Jordan commissioned the site investigation for the Aqaba LNG and LPG project in March 2013 to be constructed on the southern shore of Aqaba, Jordan. A total of thirty (30) boreholes were drilled at the project site where fourteen (14) of these boreholes were drilled onshore and the remaining sixteen (16) boreholes were drilled offshore. The investigated depths ranged from 15 to 30m below the existing ground surface for the onshore boreholes and from 25m to 40m below the seabed for the offshore boreholes. The offshore drilling was executed using two Jack-up Pontoons for different water depths. The investigation also included geophysical field investigation and laboratory testing among others.



## ACES Abu Dhabi News

### ACES Abu Dhabi Celebrates ACES Group 30TH Anniversary

ACES Abu Dhabi celebrated the 30th Anniversary of ACES Group during the Family day which was held on 29.11.2013 in Mafrag Hotel, Abu Dhabi with participation of ACES employees and their families. The participants enjoyed well organized program which included variety of sport competitions, entertainment games for kids and adults, many prizes, buffet lunch and finally- a celebration cake which was cut by ACES Abu Dhabi management team. At the end of the event Eng. Yousef Al Marei, Manager of ACES Abu Dhabi, expressed the deep appreciation of ACES management to all employees and their families who participated in the building of the success of the company during its 30 years journey. He also presented Appreciation Certificates to employees with long years of service as recognition of their unshaken loyalty and commitment to the company. The event was a great success, full of fun and enjoyment for all participants.



### New ISO/IEC 17025-2005 Accreditation for ACES Abu Dhabi by Emirates National Accreditation System (ENAS)



ACES Abu Dhabi has been awarded an accreditation to ISO/IEC17025-2005 by Emirates National Accreditation System (ENAS), the accreditation body of Emirates Authority for Standardization and Metrology (ESMA). ESMA is the sole standardization body in the UAE established under the Law No. 28/2001. This is the second ISO/IEC17025 accreditation of ACES Abu Dhabi, supplementing its current accreditation with IAS, an international accreditation body based in USA. With its two accreditation certificates, ACES Abu Dhabi has

demonstrated its proficiency in carrying out a wide scope of testing services in the field of construction materials testing, chemical analysis for civil engineering purposes, chemical analysis for environmental purposes and microbiology. ACES Abu Dhabi Accreditation certificates can be downloaded on [www.esma.gov.ae](http://www.esma.gov.ae) and [www.iasonline.org](http://www.iasonline.org), or provided upon request.

**Solid Beginning for ACES-Erbil**

ACES-Erbil has started its operation in Kurdistan-Iraq in July 2013 and is now already involved in a number of major projects throughout the region. Site investigation works are currently underway for major road works in Erbil, Dohok and Sulaymanieh regions of Kurdistan. In addition, slope stability analysis for a road in Dohok and geotechnical studies for several dams are being carried out. Material testing and quality control services are currently being conducted for water conveyance project, Kempenski Hotel, and dams projects, among others. Numerous proposals has been issued in the past few months and the prospects are quite positive.



*Testimonies*

**Mr. Musa Hamawi**  
**General Manager**

Saudi Aramco awarded SLFE the following projects:

- BI-10-00614- Shaybah AXL Crude Increment 250 MBCD Support Facilities
- BI-10-01055- Jazan Refinery & terminal projects Jazan refinery SAPMT Residential Camp and Site Offices.

The subcontracts for geotechnical investigation for both projects were given to ACES Khobar. ACES Khobar mobilized immediately and completed field work, laboratory testing and submitted reports as per time schedule. Reports were reviewed and approved by Saudi Aramco. I would like to express my heartfelt appreciation and gratitude for all your support and endeavor to us.

Looking forward to another opportunity working together in the kingdom of Saudi Arabia and wishing you greatest success in every aspect.

**Friederich Zahn**  
**Contracts & Procurement Manager**  
**SNC-Lavalin Fayeze Engineering**  
**Khobar-KSA**



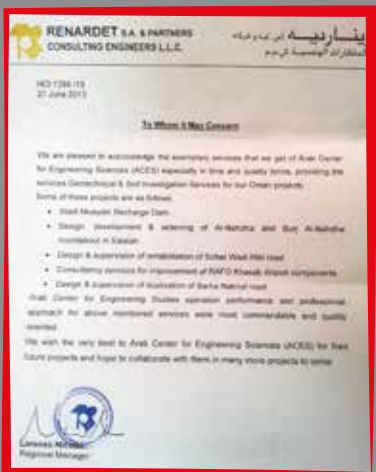
We are pleased to acknowledge the exemplary services that we get of Arab Center for Engineering Sciences (ACES Muscat) especially in time and quality terms, providing the services of geotechnical & soil investigation services for our Oman projects. Some of these projects are as follows:

- Wadi Muaydin Recharge Dam
- Design, development & widening of AL-Nahdha and Burj Al-Nahdha roundabout in salalah
- Design & supervision of rehabilitation of sohar wadi hibi road
- Consultancy services for improvement of RAFO Khasab Airport components
- Design & supervision of dualization of Barka – Nakhal road.

ACES Muscat operation performance and professional approach for the above mentioned services were most commendable and quality oriented.

We wish the very best to ACES Muscat in their future projects and hope to collaborate with them in many more projects to come.

**Lorenzo Nicolai**  
**Regional Manager**  
**RENADET S.A. & PARTNERS**  
**CONSULTING ENGINEERS L.L.C.**  
**Muscat-Oman**



**Eng. Munawar I. Saleem**  
**Geotechnical Department Manager**

Aramco awarded the design project "Upgrade Gas Compression Plant at Tanajib Plants" to Mustang HDP and the subcontract was given to ACES Khobar for geotechnical investigation. ACES Khobar mobilized immediately and completed the field work and the laboratory testing and submitted the technical report as per time schedule. The report was reviewed and approved by Aramco. I would like to express my heartfelt appreciation and gratitude for all your support and endeavor to us. Looking forward to another opportunity working together in the kingdom of Saudi Arabia and wishing you greatest success in every aspect.

**Eng. Arif Abdul Salam**  
**Project Manager**  
**Mustang HDP**  
**Khobar-KSA**

