Partners for Quality Construction

ACES Newsletter
Issue 43, July 2014

ACES Amman Goes GREEN

Solar energy systems have very little impact on the environment, making them one of the cleanest power-generating technologies available today. While they are converting the sun's rays into electricity, they produce no air pollution, hazardous waste, or noise.

At ACES we value the environment and green building, ACES Amman is the first branch in utilizing the solar PV system with capacity of 25.2kWp, utilizing the free space on roof with impressive design considering safety in spacing, structure edges and no roof penetration.

At ACES Amman we aim for our solar PV System to:

- Reduce, or completely eliminate, the amount of electricity purchased from electricity providers to power our building,especially in the warm months when demand for air conditioning can sky rocket
- Generate clean electricity, renewable and reliable
- Save money on electricity bill and act as a hedge against future price hikes, which can provide us with fixed energy costs
- Help our community by reducing electricity demand and providing additional electricity for the grid when it generates more than use during the day, when the demand is highest.

So, we can help reduce our energy reliance on fossil fuels and the amount of greenhouse gases – a major contributor to global climate change.

Maher Adnan Arafat
IT& Procurmement Dept's Manager
ACES-Amman

Drilling Rigs Assembly in ACES Abu Dhabi & ACES Amman

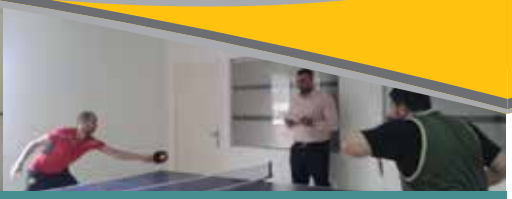
Hydraulic Drill Rigs with different capacities are being completely assembled in ACES Abu Dhabi and ACES Amman workshops. Many parts of the drilling rigs are being manufactured in ACES workshops whereas other major genuine quality parts (such as engines and hydraulic pumps) are being outsourced from manufactures in North America and Europe .

The drill rigs were designed and constructed in-house to provide the best practical value to ACES operations for different ground conditions and to facilitate efficient maintenance and operations. The rigs are mounted on pristine trucks and the final product looks impressive. Unique Control Panel and other features were purposely designed and constructed for efficient drilling processes and operations.

It is worth noting that ACES Amman has expanded its workshop area with an additional 150 square meters to have a total of 260 square meters to speed up the assembly process.

Thank you for ACES Abu Dhabi & ACES Amman for the well done job; which shall enhance the overall drilling processes , capacities and nurture the general experience of ACES group.

ACES Amman
Table Tennis Championship
"Winner Ahmad Kadrawy"
Runner-up Mohammad Al Beik



Chemical Steel Testing Capability At ACES Jeddah

ACES Jeddah is pleased to announce the arrival of new computerized chemical testing machine (Shimadzu Optical Emission Spectrometer PDA-7000) to its equipment gallery. The chemical testing machine is manufactured by M/s. Shimadzu Corporation Japan, and is used for chemical analysis of steel and iron, and can give percentation of 15 chemical elements in the tested materials such as Carbon, Silicon, Phosphorous, Nicel and lieks with assured high quality testing, robust and high accuracy.

ISO 9001:2008 Surveillances Audit at ACES Jeddah

M/s Bureau VERITAS recently conducted surveillance Audit at ACES Jeddah on May 2014, the purpose of the audit was 5th Surveillance for Quality Management system. The auditors were highly satisfied with ACES Jeddah quality performance and the audit took two days and was completed successfully.

IAS Surveillance Audit of ACES Khobar

Recertification was carried out by IAS Surveillance Audit. ACES Khobar has met all the requirements of the IAS Accreditation Criteria for Testing in compliance with ISO/IEC Standard 17025:2005, and has been re accredited, commencing March 18, 2014. All these audits were successfully completed and complying with standards of quality for all aspects of work.

IAS Auditor along with Ene. Musa Hamawi and ACES Al Khobar Team

ACES Al Khobar will continue to provide reliable, timely, accurate, cost effective and quality specialized engineering services that meet customer's expectations.

Deep Foundation Middle East Conference 2014

ACES Dubai has participated in the DFIMEC 2014 on the 2nd and 3rd of April 2014 held in the American University in Dubai represented by Eng. Emad Sharif, Eng. Mohammad Ahmed and Mr. Tariq Suleiman along with a special invitation for Professor Marchetti from Italy.

ACES Dubai was a silver sponsorship for the event that had speakers and exhibitors from all over the world.

ACES also participated in the conference by presenting three keynote speakers. They are Eng. Emad Sharif, Eng. Mohammed Ahmed and Professor Marchetti.

Presentations by Graduate Engineers at ACES-Amman

ACES Amman is conducting biweekly seminars where recently hired fresh graduates and interns are giving presentation on various topics including their university final year projects as well as other subjects learned during their work at ACES. These seminars are proving to be successful as they help to build self-confidence and develop presentation skills for the graduates, and serve as a place to share ideas amongst peers. The graduates are also introduced to various personnel within the organization from different departments, in which a better understanding of ACES culture is obtained.

Selected Major Projects

ACES KSA

The Saudi land bridge Railway project is one of the major project running in KSA, the client M/s SAR and M/s Italferr already awarded the geological and geotechnical investigation to ACES. The Saudi Land Bridge Project is a planned railway project which forms part of the Saudi Railways Expansion Program. The entire project is divided into five sections with total 943 km Length. This railway line is for cargo and passengers which aims at connecting the red sea with the Arabian Gulf and to serve the movement of shipping containers. ACES is proud to announce that all five sections have been awarded by M/S ITALFERR to ACES. With the United efforts & collaboration from ACES-JEDDAH & ACES-KHOBAR lead by the Management of ACES Riyadh site work for Section 3 (Station 180+00 to 494+00km)., Section 4 (Station 494+00 to 808+00 km) & Section 5 (Station 808+00 to 943+00 km) has been completed successfully which include 345 Boreholes with depth ranging between 20m up to 60m below ground, 1560 trial pits and seismic refraction survey along with down hole seismic testing. Currently ACES Jeddah is working for Section-2 (Station 77+00 to 180+00 km) 103 km Length. The main scope of work includes drilling of 87 boreholes to depth of -20.0 meters to -65.0 meters below the existing ground surface (to Collect information about present land use, surface topography, geological features and surface drainage), Excavation of 29 Nos. of Trial Pits, Performing 7 Nos. of Cone Penetration Tests, Performing 4 Nos. of Down hole Seismic Survey, Performing 4 Nos. of Cross hole Seismic Survey , total 40,000m Seismic Refraction Survey and performing Routine Laboratory testing on Soil & Rock Samples. Site work for Section-2 is expected to complete mid of June.

ACES Khartoum

ACES-Khartoum has been awarded the geotechnical investigation for the Sudanese Eritrean Interconnection Transmission Line Project, which links between Kassala (eastern Sudan) & Teseney (western Eretria). The length of the proposed Transmission line is 52Km. The scope of work includes drilling of 51 Bhs and routine laboratory tests with total depth of 477m. The owner & Client of this project is the Sudanese Electricity Transmission Co. This project represents an excellent opportunity for ACES Khartoum to win more Government projects in the future and is vital for the Sudanese economy.

ACES Sana'a

ACES Sana'a completed recently the geotechnical investigation for " Ras Issa Crude Oil Terminal" project in Al Hodaydah, Republic of Yemen. The geotechnical work included boreholes, in-situ standard penetration test, laboratory test and foundation recommendations. The owner of the project is Safer Exploration & Production Operations Co. (SEPOC), the consultant is Mott MacDonald and the contractor is Chemie – Tech Engineering & Construction.

ACES Abu Dhabi

ACES Abu Dhabi was awarded onland topographical survey and underground detection for M/s Petrofac Emirates in Satach Al Razbooth (SARB) project in Ziku Island, Abu Dhabi. Total survey area is 59,409 square meter. The investigation includes installation of six (6) benchmarks and underground detection by Ground Penetration Radar (GPR) technology.

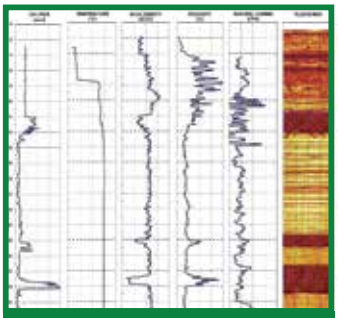
ACES Khobar

ACES Khobar has been awarded recently four projects of geotechnical investigation from design consultants KBR-AMCDE/MUSTANG AL HEJAILAN DAR PI/SNC LAVALIN FAYEZ ENGINEERING on behalf of ARAMCO. Location of all the projects is in the Eastern province within 200 to 300km from office. The geotechnical work includes borehole drilling, cone penetration tests, excavation of trial pits, crosshole test, electrical and thermal resistivity. The investigation depth ranges from 15 to 30m depth below existing ground level.

ACES regional Center of Excellence for Geophysical Studies

The Dubai-based Geophysical Studies Regional Center of Excellence(RCE) is a leading provider of geophysical studies and testing services in the region with almost 20 years of experience. Recently, RCE performed a prestigious project at Doha City, Qatar to investigate and evaluate the extension of existing huge cavity that found during excavation work. Detailed 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. Other important geophysical projects include borehole geophysical logging for Riyadh Metro Project, Package 1 Line 1, Southern Half and high resolution acoustic televiewer for Jabal Al Kaaba Project, Makkah Kingdom of Saudi Arabia.

Photo of the huge cavity that is located in Doha City, Qatar



Sample of obtained results in Riyadh Metro Project

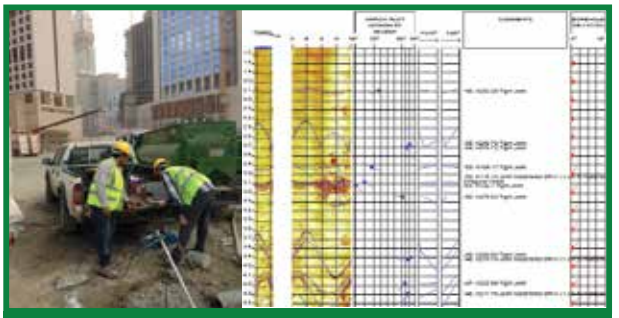


Photo of the televiewer field-work and sample of obtained results for Jabal Al Kaaba Project

ACES Amman Takes Part in the World Accreditation Day

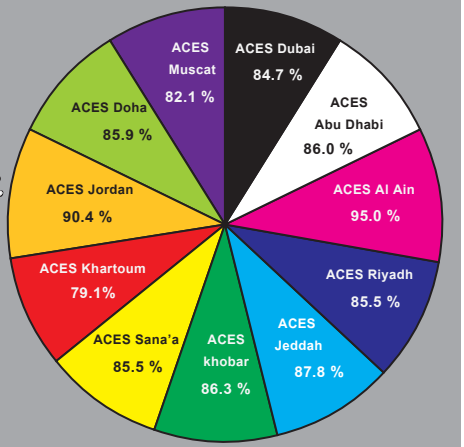
ACES Amman took part in the World Accreditation Day on June 2014 under the sponsor of Jordan Standards & Metrology Organization- Jordanian Accreditation Unit and was represented by Eng. Naeemah Gezawi, ACES Amman Quality Manager. At the meeting two certificates of recognition were awarded to ACES, one in recognition of Dr. Izz Eddin Katkhuda, ACES Partner & Director, for his long and continuous contribution to the National Accreditation Unit for it to be center of excellence locally, regionally and internationally and the other for ACES Amman for their efforts to obtain the National Accreditation since the Accreditation Unit was established.

ACES 2013 Customer Satisfaction Results

ACES conducts every year a customer satisfaction survey to monitor and measure its customers' level of satisfaction with its services and staff and seek ways for improvement in the markets of operation. ACES customer satisfaction is a key marketing performance indicator and a key element in ACES business strategy.

The pie below shows ACES customer satisfaction survey results for 2013 in the markets of operation.

Your Satisfaction is Our Aim



Eftar Parties

ACES Amman

ACES Erbil