

Concrete News

- Annual Awards Banquet
- Award of Excellence 2015
- Award of Achievement 2015
- Admixture Solutions
- Students' Activities
- Site Visits

Volume 21
January - July 2016



Local Connection with International Links

■ Concrete News

Concrete News is published by ACI-Kuwait Chapter for sharing information, promoting exchange of technical knowledge amongst its membership, and enhancing the Chapter's position within Kuwait's engineering fraternity.

Volume 21 / January - July 2016

■ ACI Kuwait Chapter

The purpose of the Chapter is to help in furthering the chartered objectives of the American Concrete Institute. The American Concrete Institute (ACI), is a nonprofit international organization that promotes improved technology, technical competence, design, and construction aspects related to concrete for the benefit of society. ACI-Kuwait Chapter was established essentially

to promote education, standards of technical practice, scientific investigation and research in concrete technology. The Chapter also aims to channel efforts of its members towards a non-profit public service in collecting, correlating and disseminating information for the improvement of design, construction, manufacturing, utilisation and maintenance of concrete products and structures.

■ Functions

ACI Kuwait Chapter is approved and authorized by the Board of Directors of ACI International to provide the means of furthering the chartered objectives of the Institute in the State of Kuwait. The Chapter is managed by a local Board of Directors whose members serve as Chapter Officers. Chapter membership is open to individuals and organizations with an interest in any aspect of concrete technology. The Chapter is operated through its Committees, which are comprised up of volunteers from the membership. Programs are developed by the Committees to help achieve Chapter objectives and to meet the needs of its members. The Chapter may hold several meetings each year and engage in activities that may include:

Sponsoring educational seminars, short courses or technical workshops.
Organising or sponsoring training courses for examinations and certification.
Publishing technical information and newsletters.
Conducting awards programs for local concrete structures and related distinguished services.
Special social events.

■ Benefits

- Chapter members can attend seminars, short courses and workshops organized at reduced fees.
- Free use of ACI publications supplied by ACI International, and which are kept in the Chapter library.
- A forum for members to interact with colleagues and identifying potential sources for cooperation in addressing specific technical problems.

■ Committees

The Chapter's affairs and activities are executed through its Committees, which include:

- Technical Committee
- Membership Committee
- Publication Committee
- Social Committee
- Nomination Committee
- ACI-KC Students' Committee

■ Joining ACI Kuwait Chapter

To become a member of ACI Kuwait Chapter, please contact the Chapter Office Manager on the numbers shown below; or download an Application Form from our website. Different categories of membership are available. You will receive a copy of the Chapter Bylaws upon becoming a member. The functioning of ACI Kuwait Chapter is based on mutual interest and voluntarily effort. Its success depends upon the active participation of its members.

ACI Kuwait Chapter

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■ President's Message



ACI-KC President, Mr. Bader Al Salman

Our new Board of Directors was confirmed during the Chapter's Annual General Meeting held on 31st May, 2016. The new Board is committed to the Chapter becoming more active by increasing our technical and social programmes; by introducing interesting seminars and mid-career training opportunities; and encouraging more membership involvement.

This is our first issue of Concrete News for the Year 2016, and it reports on what to date has been an eventful year. The coverage includes this year's Annual General Meeting; two informative field visits; a technical seminar; activities of our Student's Committee; and of course our annual highlight, the Annual Awards Banquet.

This year's well attended banquet was graced by the Minister of Education and Higher

Education, Mr. Bader Al Essa, who presented the Chapter's prestigious Award of Excellence to a deserving project, and the Award of Achievement to a well-respected individual for lifelong contribution towards advancing retailing development in Kuwait.

In November this year, the Chapter will host its 4th International Conference and Exhibition. Keynote speakers will share their experiences and research work with us; and the 4-day event will be supplemented with interesting technical and social events. Further information about the conference is included in this issue. Please patronize this important event and help us make it a success.

Finally, I wish you all continued good health and professional success.

■ Chapter Organisation

ACI-Kuwait Chapter's Board of Directors for 2016-2017 was elected and formalized during the Annual General Assembly held on 10th June, 2015.

The Board of Directors comprises eleven officials who are elected by the Chapter's

general membership, after being nominated by the Nomination Committee. The President and the Vice-President serve in their positions for one year. Directors are elected every year to serve three-year terms. The members of the Board of Directors for the year 2016-2017 are :

■ Board of Directors 2017-2016

President	:	Mr. Bader Al-Salman
Vice President	:	Mr. Aziz Mamuji
Past President 1	:	Dr. Moetaz El-Hawary
Past President 2	:	Mr. Mousa Al-Sarraf
Past President 3	:	Dr. Saud Al-Otaibi
Director /Treasurer	:	Mr. Abdul Wahab Rumani
Director/Secretary	:	Mr. Mansoor Rao
Director	:	Dr. Zafer Sakka
Director	:	Mr. Mohammad Harb
Director	:	Mr. Hassan Kamal
Director	:	Dr. Khaldoun Rahal
Director	:	Mr. Aziz Mamuji
Director	:	Mr. Mohammad Harb

■ Technical Committee

Chairperson: Dr. Moetaz El-Hawary

- Identifying technical topics of interest to Chapter Members and arranging seminars, short courses and workshops on various topics.
- Reviewing and submitting to Chapter Members, ACI International committee reports on subjects of relevance to Kuwait.
- Reviewing proposed revisions of ACI Standards and submitting comments to Chapter's Board of Directors for submission to ACI International.
- Serving objectives of the Chapter by organizing training courses and technical workshops.
- Promoting local research and testing programs to resolve technical issues of importance for durable concrete construction in Kuwait

■ Technical Committees

The Chapter's affairs and activities are executed through its Committees, which include:

- Technical Committee
- Membership Committee
- Publication Committee
- Social Committee
- Nomination Committee
- ACI-KC Students' Committee

■ Students' Committee

Chairperson: Dr. Moetaz El-Hawary

- Activities are generally in line with ACI-Kuwait Chapter objectives.
- Encouraging student participation in all activities of ACI-Kuwait Chapter
- Student participation guided and organized by an elected Board of Directors, and sub-committees appointed from within their membership.
- Activities include technical and social events and further information can be found on www.ACIQ8.com.

■ Membership Committee

Chairperson: Mr. Mansoor Rao

- Recruiting new individual members and organizations.
- Issuing and renewing membership identity cards.
- Publishing and updating Chapter's membership directory.
- Facilitating interaction amongst members and communicating their concerns to the Board of Directors and other Committees.

■ Publication Committee

Chairperson: Dr. Saud Al-Otaibi

- Publishing periodic newsletters covering the Chapter's activities and providing general information of use to Chapter members.
- Printing and distributing copies of technical reports to Chapter members, as well as to interested individuals and concerned organisations.
- Preparing reports and Chapter news for publication in ACI's Concrete International magazine.

■ Social Committee

Chairperson: Eng. Dana Drobiova

- Organizing major annual Chapter events and programs for members.
- Organizing field trips to major construction projects and industries.
- Arranging participation of the Chapter in selected national events.

■ Nomination Committee

Chairperson: Mr. Bader Al-Salman

- Nominating individuals who have the interest, leadership qualities and willingness to serve the Chapter, for selection to the Board of Directors.
- Submits names, prior to the Chapter's Annual General Assembly, for election by members.

■ Annual Awards 2015-2016

ACI-Kuwait Chapter's Awards Banquet is a highly anticipated and grand annual event during which the Chapter recognizes outstanding projects and individuals. Two main honours were bestowed this year, namely the Award of Excellence and the Award of Achievement.

This year's Annual Awards Banquet was held in the grand Al Hashemi II Ballroom of

Radisson Blu Hotel on 17th May 2016. The event was organized under the patronage of His Excellency, Minister of Education and Minister of Higher Education, Dr. Bader Hamad Al-Essa. The function was well attended by a large number of guests, ACI-KC members and representatives of Kuwait's building and construction industries.

■ Award of Excellence

The Award of Excellence is presented annually to a local project of outstanding merit. The award itself is given to the Owners or developers of the project, and is accompanied by Certificates of Excellence and plaques, which are presented to the general contractor; the design consultants; the supervision consultant; and the main concrete supplier.

This year ACI-KC honoured KIA Headquarters as an innovatively and iconic landmark incorporating advanced structural and engineering systems. The award was presented to the developers of the building, Kuwait Investment Authority.



His Excellency Dr. Bader Hamad Al-Essa



■ Award of Achievement

The Award of Achievement is presented to an individual to recognize outstanding contribution to development and to the engineering community and in the State of Kuwait. The award this year was given to Mr. Mohamed Abdulaziz Alshaya for pioneering and promoting modern retail development in the State of Kuwait and across the Middle East.



Mr. Aziz Mamuji, ACI-KC Director: Master of Ceremonies



ACI-KC Past President, Dr. Moetaz El-Hawary



His Excellency Dr. Bader Hamad Al-Essa, ACI-KC Board of Directors and Awards Recipients

■ Award of Excellence 2015-2016

ACI-Kuwait Chapter presents the Award of Excellence to a project in recognition of , amongst other aspects, outstanding design using concrete, innovative architectural and structural design landmarks, and high standards of construction.

ACI-Kuwait Chapter presents the Award of Excellence to a project in recognition of, amongst other aspects, outstanding work in concrete construction practices, innovative architectural and design, iconic landmarks and structures, high standards of construction and public appreciation of a project.

The Award of Excellence for 2015 was presented to Kuwait Investment Authority for their new KIA Headquarters, which was honoured for being an innovatively designed and iconic architectural

landmark development incorporating advanced structural systems.

■ KIA Vision and Mission

Kuwait Investment Authority was established in early 1953 to manage funds of the Government of Kuwait. It is the world's oldest sovereign wealth fund and manages Kuwait's General Reserve Fund; Kuwait Future Generations Fund and various other assets committed to it by the Ministry of Finance. KIA wanted their new headquarters to epitomise it's strength, stability and dynamism that characterises the effectiveness with which it has performed over the past 65 years. As such, their new building had to reflect the Authority's image as a modern-forward looking and efficient organisation. The building had to be flexible, environmentally sustainable and serviceable, with a pleasant and safe working environment.



Kuwait Investment Authority Headquarters

■ Design Inspiration

Following an international design competition, KEO International Consultants were commissioned to undertake the design, engineering and construction supervision services.



Kuwait Investment Authority Headquarters

■ Development Scope

- Site Area: 11,000 m²
- Building Area: 140,000 m²
- Floors: Tower of 47 storeys
45 office floors
2 mechanical floors
48 m x 48 m tower perimeter
- Basements: 4 levels

Features:

- Parking for 600 cars
- 5 Office Courtyard Atria
- Multifunction Conference Hall (600 persons)
- Exhibition Hall
- Public Amenities and Retail Outlets
- Landscaping

■ Construction and Technical Features

Construction of the building commenced in March, 2013. Structural work was completed in June 2015, and final completion is scheduled for June, 2016.

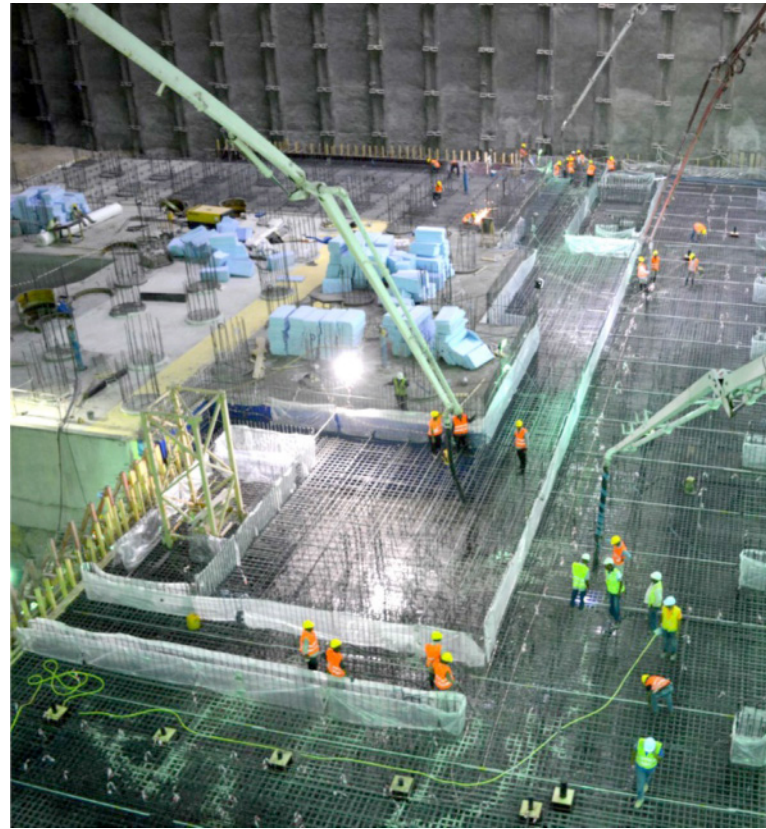
The dynamic facade of the tower changes depending on the orientation and level; and to achieve the open space effects on the elevations, vierendeel framing with 16.0m spans was used. The iconic dhow shape, at the west end of the podium, was structurally formed



Kuwait Investment Authority Headquarters

by introducing four cantilever shear walls spanning 20-27m, as well as deep beams. The foundation system comprises large diameter reinforced concrete piles, varying in depth between 28-40m.

Gravity loads on the tower are carried by four internal columns, as well as the peripheral tubular structure. The internal atria in the tower are at different levels; and wind tunnel testing was carried out to optimise its structural design.



Kuwait Investment Authority Headquarters

■ Awardees

- Award of Excellence:
Developer: Kuwait Investment Authority
- General Contractor:
First United General Trading and Contracting Company
- Design and Supervision Consultant:
KEO International Consultants
- Main Concrete Supplier:
Bubiyah Ready-Mix



Dr. Abdul Aziz Sultan, President of KEO International Consultants, receiving the Award



Mr. Talal Youssef Andraos, Projects Manager of First United General Trading and Contracting Company, receiving the Award



Mr. Haitham Al Rifai, CEO of Insha'a Holding and General Manager of Bubiyah Ready-Mix Kuwaits, receiving the Award



Mr. Abdul Kareem Al Saeed, Director of Administrative, Financial and Personnel Affairs Dept, receiving the Award on behalf of Kuwait Investment Authority

■ Award of Achievement

The 2015 Award of Achievement was presented to Mr. Mohammad Abdulaziz Alshaya for his lifetime involvement in pioneering and promoting retail development in the State of Kuwait and across the Middle East.

Mr. Mohammad Al Shaya has served Kuwait and its society well. He has done that as a visionary and pioneer; as an eminent entrepreneur; through his imaginative retail sense; by being an internationally respected contributor to the global retail industry; as a national and international development advisor; and through his selfless public service and philanthropy. It is no accident that he is universally recognised as the undisputed “King of Retail”, an accolade bestowed on him by the reputed business magazine, Arabian Business.



Mr. Mohammad Al Shaya



Ms. Shuaa Al-Qati Communication Director of Mabanee Company, receiving the Award of Achievement on behalf of Mr. Mohammad Al Shaya, from His Excellency Dr. Bader Hamad Al-Essa

■ Family

Mr. Alshaya hails from one of the oldest and most prominent business families in Kuwait. He is part of the third generation of Alshaya family, and grandson of Mr. Mohammed Hamoud Alshaya who, with his brother founded their family trading business in 1890, when they started by trading with British India.

■ Education

Mr. Alshaya completed his schooling in Kuwait's Keifan High School. His first university degree was from Kuwait University, where he obtained a Bachelor of Arts degree in Marketing. He read for his Masters of Business Administration degree from the highly respected Wharton School of Business at the University of Pennsylvania. He is now a member of the Wharton Board of Overseers, which serves as an important bridge between the School and the broader Wharton and business community.

Mr. Alshaya's first foray into retail was as a young man soon after graduation. He started his retail journey with 'Mothercare' in the late 1970's; and in 1983 the Alshaya group ventured into its retail franchise by opening its first Mothercare store in Kuwait.

■ M.H. Al Shaya

Mr. Mohammed Alshaya is currently the Executive Chairman of Kuwait based M.H. Alshaya Company, and Chairman of Mabanee Company, a listed real

estate and retail company. He is also Chairman of Shomoul Real Estate which develops retail properties in the Kingdom of Saudi Arabia.

The Alshaya Company partners with over 70 of the most recognised global retail brands. These include amongst many others: Starbucks; Victoria's Secret; Harvey Nichols; American Eagle Outfitters; Tex; H&M; Shake Shack; Kidzania; West Elm; and Pottery Barn. The company operates over 3000 stores; and employs 46000 people across the Middle East, North Africa, Russia, Turkey and Europe.

■ The Avenues

It was his vision that revolutionized retailing in Kuwait. Mabanee Company developed The Avenues, which is a manifestation of Mr. Alshaya's ambitious vision and aspiration. He wanted to create a complete city, and to make it a uniquely designed and iconic multi-facility destination which would combine shopping, dining,



The Avenues, Kuwait

relaxation, entertainment, and opportunities for quality family time. The dream was to integrate everything into one convenient mega development that would receive world-wide recognition and help in enhancing Kuwait's reputation as a major shopping hub. The project was The Avenues which is located in Al Rai. And who does not know the Avenues? The story of growth continues with many new mega developments being planned and implemented in the Middle East, Asia and Europe. Two imminent projects are The Avenues Riyadh in Saudi Arabia, and The Avenues Bahrain in Manama.



The Avenues, Kuwait

■ Regnization and Awards

As would be expected, Mr. Alshaya's life is not all business. He is an internationally respected personality; and is an active member of civil society in Kuwait and globally. He is a Member of Kuwait's Supreme Council of Planning and Development; Member of Kuwait's Council of



The Avenues, Bahrain



The Avenues Riyadh, Saudi Arabia

Education; and Member of Kuwait University Council. He serves on the Direct Foreign Investment Council of Turkey; The Board of Trustees of Arab Thought Foundation; and the Leadership Council at Harvard Kennedy School. He is also actively involved in the International Leadership Board of Cleveland Clinic, and is a Member of the international Business Advisory Council of London.

It is inevitable that Mr. Alshaya's career would be embellished by recognition and awards. He was voted "Retail CEO of the Year 2010" by CEO Middle East Magazine; and "Business Man of the Year 2011 and 2012", by Arabian Business Awards. He received the "Kuwait Says Thank You" award in June 2015, when he was recognised as a leading innovative executive. And in December 2013, the Queen of England bestowed on him a CBE, whereby he was made an Honorary Commander of the Most Excellent Order of the British Empire for his services in developing British and Arab business. In 2015 Mr. Mohammed Alshaya was inducted into the "World Retail Hall of Fame" by the World Retail Council.



Mr. Mohammad Al Shaya

■ Public Service

He is particularly interested in developing skills of young Arabs through fostering entrepreneurs and providing training opportunities. In 2012, under his leadership, the Alshaya Retail Academy was set-up in Riyadh. The Academy has since expanded to other cities in Saudi Arabia and empowers thousands through training opportunities.

ACI-Kuwait Chapter is indeed proud to honour this deserving candidate for his lifetime involvement in pioneering and promoting retail development in the State of Kuwait and across the Middle East; for inspiring the creation of imaginative retail architecture; and for his public service and international recognition as a respected businessman and retailing visionary.

■ Awards

■ Retail CEO of the Year	2010
CEO Middle East Magazine	
■ Businessman of the Year	2011/2012
Arabian Business Awards	
■ CBE	2013
Honorary Commander of the Most Excellent Order of the British Empire	
■ "Kuwait Says Thank You"	2015
Leading Innovative Executive	
■ World Retail Hall of Fame	2015
The World Retail Congress	

■ ACI-KC Students' Committee

The ACI-KC Students were active as usual during the past period. Some of the Committee's activities are highlighted below.

The Board of Directors of ACI, KCS Students Committee currently comprises Dana Alakari, Shamlan Alfarah, Jouri Alumneer, Fatma Alzufairi and Noura Alenezi.

Under the umbrella of the ACI-Kuwait Chapter and the Chairperson of its Students Committee, the ACI Scientific Club in Kuwait University's College of Engineering resumed their activities. The activities were supervised by Dr. Moetaz El-Hawary and faculty staff.



Professor Ismael Essen receiving his farewell trophy

■ Activities

The activities carried out by the enthusiastic students included:

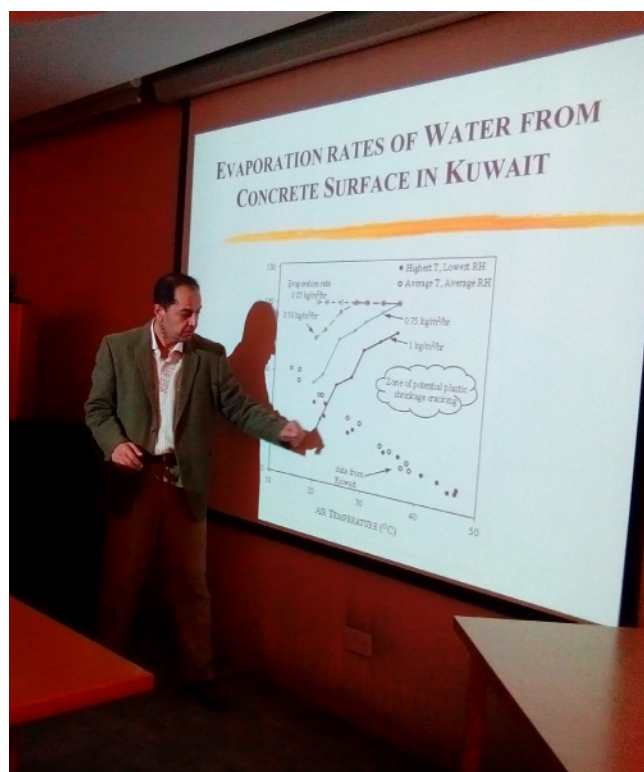
- Providing support to students preparing their graduation projects.
- Arranging a field visit to the Directorate for General Civil Aviation.
- Organising a workshop on Prezi Program, which was conducted by Eng. Bashayer Altraif.
- Workshop on Report Writing, conducted by Eng. Bashayer Altraif.
- Conducting an Artistic Drawing Competition for students.
- Hosting a farewell gathering and a trophy presentation for Professor Ismael Essen, who retired after 40 years of service in the Civil Engineering Department.
- Sending Eid greetings.



■ Technical Seminar

ACI-Kuwait Chapter organized a Technical Seminar entitled “Effects of Moist Curing on Core Strength and Flexural Strength of Slabs cast under hot weather conditions”.

The Seminar was held on 17th February, 2016 at the offices of Gulf Consult, and was conducted by Prof. Khaldoun Rahal.



■ Technical Article : Admixture Solution

*David Dowerman
Regional Business Segment Manager
Admixture System and Cement Additives
(BASF Construction Chemicals)*

BASF's innovative admixture solution provides longevity and strength to concrete structures in the GCC region

BASF, a global leader in sustainable chemicals, believes that structural foundations - and the raw materials they are made up of - greatly affect both the lifecycle as well as sustainability of any building. The company provides construction chemicals both globally and in the Middle East region, enhancing urban building standards by providing durability, structural integrity, and extending the life of the building through mitigating damage and wear-and-tear.

■ Admixture

A central component of quality construction processes, admixtures are essential to the foundation of modern buildings. BASF has been a recognized leader in this market for almost a century. Over time, the company has innovated its portfolio in keeping with evolving benchmarks of infrastructure and environmental regulations. For instance, the ACI Building Code (ACI 318) outlines various design requirements in products that aim to control corrosion effectively. This includes limiting the water-cementitious material ratio, providing adequate

concrete to cover over reinforcing steel, and limiting the initial chloride ion content of the concrete. To meet these stringent conditions for dense and void-free concrete, BASF introduced its MasterLife CI 222 product - an admixture with advanced, patented corrosion-inhibiting properties - to benefit large-scale construction projects in the GCC region.

Formerly known as Rheocrete 222+, MasterLife CI 222 (renamed for uniformity under BASF's Master Builders Solutions portfolio) is a state-of-the-art organic migratory corrosion inhibiting admixture that has been formulated for steel reinforcements in concrete. It provides two levels of corrosion defense - inhibiting and waterproofing for maximum protection.

MasterLife CI 222 extends the service life of reinforced concrete by reducing the rate at which chlorides and moisture enter concrete even while increasing sulfate resistance. Combined with a hydrophobic pore-blocking waterproofing mechanism, the inhibiting action is at once anodic, reducing the dissolution of iron, and cathodic, acting as a barrier to oxygen. It lines the pores of the concrete matrix to drastically slow down the corrosion process in various types of concrete - including precast/prestressed and post-tensioned applications.

■ Application

MasterLife CI 222 can be used in various temperatures and it protects reinforcement from corrosion even in cracked concrete. This easy-to-apply solution does not affect initial slump or workability retention on fresh concrete, nor does it impact setting time. The product follows ASTM G109 and ASTM C494 specification standards, and additionally meets health, safety and environment (HSE) requirements strictly enforced across the range of BASF products and services.

Mohamed Roshdy - Country Manager Admixture Systems Kuwait, BASF Construction Chemicals, said: "Today, we see building and HSE regulations in the



BASF R&D Experts

region becoming more stringent and mature. Given this focus, we must provide quality solutions without compromising on customers' aesthetic demands. At BASF, we also strive to create solutions that are financially sustainable - providing more ROI in the long-run by reducing the need for upgrades and repairs.

"The best-in-class admixtures, for instance, are a vital ingredient for concrete producers – and by extension for architects, developers and builders. Admixtures offer reliability, durability, improved resistance against chemical attacks and corrosion, and can maintain the performance of concrete in harsh weather conditions. The MasterLife CI 222 is one of the most effective admixtures in the market, as it inhibits corrosion at its most critical points."

BASF has applied this solution to various structures including parking garages, bridge decks, marine structures, slabs and floors. In the UAE, BASF implemented the MasterLife CI 222 in Abu Dhabi's Al Mafraq Hospital. At the hospital, the customer required a solution that would protect the structure from ground water and chlorides. BASF addressed this need through administering 380,000 liters of the product in the construction phase. The admixture's combined waterproofing and organic corrosion-inhibiting properties helped consolidate the hospital structure

while factoring in long-term environmental safety and sustainability.

BASF's other popular admixtures include super-plasticizer MasterGlenium® SKY that was used in Burj Khalifa. Its properties enabled the concrete to be pumped to a record height of more than 600 meters without segregating. Ensuring low pressure during the pumping process, it also eliminated the need for vibration and reduced heat curing - thereby saving energy over a period of time. Currently under construction in Jeddah, Saudi Arabia, The Kingdom Tower is also leveraging this high-value superplasticizing product.

■ Expertise

Under its Master Builders Solutions brand umbrella, BASF brings together its century-long expertise in chemistry through its innovations for new construction, maintenance, repair and renovation of structures. Besides concrete admixtures, the company's product portfolio encompasses solutions for underground construction, cement additives, waterproofing solutions, sealants, repair and protection solutions, performance grouts and flooring and tiling solutions. Further information about BASF's innovative admixtures can be obtained from www.basf-cc.ae.



Concrete Pouring

■ Social Activities

■ Site Visit: Jaber Causeway

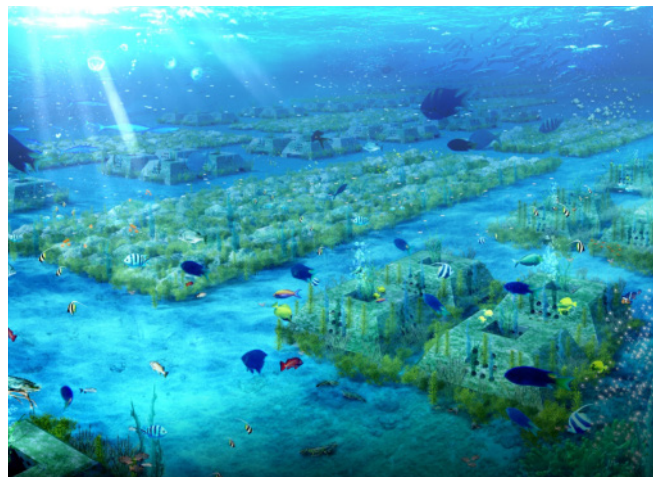
Members of ACI-KC visited Sheikh Jaber Causeway Project on 23rd April, 2016.

The visit was organized by the Chapter's Social Committee, and commenced with a welcome note by the Resident Engineer, Dr. Araby El Shenawy. This was followed by a presentation at the Visitor Centre, and included a video animation of the project. Members were thereafter taken by bus on a tour of the project's inshore construction sites; and by boat to locations where offshore locations where work is in progress.



■ Project Facts:

- Link between Kuwait City and Subaiyah Area, across Kuwait Bay.
- Approximate cost : KD 740 million
- Expected completion date : November, 2018
- Causeway Length : 34 km



Sheikh Jaber Causeway Project

Jaber Al Ahmed Al Sabah Causeway, when completed, will be one of the largest and most prestigious transport infrastructure endeavours in Kuwait and the region. It will reduce the distance between Kuwait City and Subiyah area from 104 km to 36 km, thus reducing journey time from 70 minutes to less than 20 minutes.

Among the many prominent features of the new causeway are the Project's Visitor Center and the Administration and Management Building which will be located on Shuwaikh side mainland. There are also two artificial islands, each of 30 hectares, which will house various support facilities and a marina, and help in breaking the monotony of a long and uniform bridge. The causeway's iconic feature is its main cable-stayed signature bridge, which with its exquisite arch pylon will rise as a landmark in the middle of this vital navigation route.

The causeway project is also a significant example of sustainable development. Numerous environmental studies were conducted by experts - environmental baseline studies; risk assessment; impact assessment - and the project has received approval from Kuwait Environmental Public Authority.



Sheikh Jaber Causeway Site Visit



Sheikh Jaber Causeway Project

■ Site Visit
College of Science
Kuwait University, Sabah Al Salem University City

ACI-Kuwait Chapter's Social Committee organized a site visit to the premises of the College of Science, which is currently under construction at Kuwait University's new Sabah Al Salem University City premises in Shadadiya. The visit took place on 17th January, 2016.

A large group of members visited the site. The tour began with a brief presentation by the Resident Engineer, Mr. Fausto Martinez, who explained the salient features of the design of the college buildings as well as the complexities of its structure. The buildings have been designed to LEED silver standard, and Mr. Martinez highlighted the special features that have been incorporated in the project.

College of Science will be the largest of the new colleges in the new campus that is currently under construction in Shadadiyah. The complex comprises

■ Project Facts:

● Site Area	:	82,863 m ²
● Building Area	:	341,000 m ²
● Basement Area	:	10,459 m ²
● Floors	:	Ground + 5 floors
● Parking	:	738 cars for faculty



College of Science - Kuwait University, Sabah Al Salem University City



two separate colleges, one for men and the other for female students. The project also includes a large Faculty Club which is located in the grand landscaped Oasis that separates the two colleges, and to which it is linked with bridges at the first floor level.

The College has been designed for a total of 6350 students and 1330 academic and support staff. It will house seven major academic departments: Biological Sciences; Chemistry; Earth and Environmental Sciences; Language Unit; Mathematics and Computer Sciences; Physics and Statistics and Operations Research.



College of Science - Kuwait University, Sabah Al Salem University City

■ ACI-KC News

■ In Memoriam.....



Mr. Mijbil Almutawa

Wednesday, 27 July, 2016 was indeed a very sad day. Mr. Mijbil Suleiman Almutawa, Vice Chairman and CEO of the Scientific Center, passed away due to a sudden heart attack. He was 62 years old. He was a wonderful man who was universally liked by everyone who had ever met or worked with him. Kind, polite, caring, dedicated and hardworking - a thorough gentleman indeed.

Mr. Almutawa was greatly admired for his tremendous contribution towards the promotion of scientific knowledge in Kuwait, particularly for children and young adults. He was the true inspiration behind the establishment of The Scientific Center of Kuwait, and in enhancing its reputation as a premier science center in the region. Under his guidance, it became the only Science Center in the world that covered its operating costs from its own revenue. And at the time of his unexpected demise, he was in the midst of spearheading a major expansion of The Scientific Center. He was a highly respected member of the international science center community; and an active participant in many international organisations dedicated to the growth of interactive scientific education.

Mr. Almutawa was also an advisor to the General Secretariat of Kuwait Awqaf Foundation, and a member of its Executive Committee responsible for implementing the prestigious Seera Complex project – a museum dedicated to the Life and Times of Prophet Mohamed (PBUH).

Mr. Mijbil Al Mutawa will certainly be missed. ACI-Kuwait Chapter wishes to again extend sincere condolences and sympathy to his family; and to his many friends and colleagues who greatly admired him. May Allah rest his soul in eternal peace.

■ ACI-KC 4th International Conference and Exhibition

Dissemination and exchange of knowledge and information are the main goals and objective of the American Concrete Institute - Kuwait Chapter, as information and knowhow are the backbone of technology development and industry improvement.

ACI-KC announces its 4th international conference and exhibition that will be held in Kuwait Over the period 8-10 November, 2016 of renowned keynote speakers will be invited to share their experience with us. The conference will be also accompanied by other technical and social event that will be announced in due course.



KUWAIT CHAPTER
Local Connection with International Links

MARCH
2016

ACI-KC 4th International Conference and Exhibition
Smart, Green and Durable Concrete Structures
November 8 - 10, 2016
 Radisson Blu Hotel, Kuwait

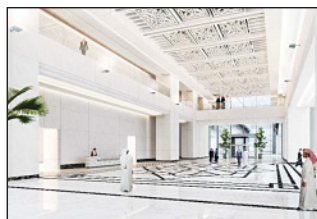


■ Press Coverage

The Annual Awards function held in May, 2015 was an unqualified success and received considerable coverage in local newspapers. Excerpts from various newspapers are reproduced here.

LOCAL

ARAB TIMES, MONDAY, MAY 23, 2016



Photos from the event

Shape inspired by traditional Arab dhows

Iconic KIA headquarters wins ACI Kwt Award of Excellence

KUWAIT CITY, May 22: The Kuwait Investment Authority (KIA) Headquarters, one of Kuwait's most iconic architectural statements, has been awarded the American Concrete Institute (ACI) — Kuwait Chapter, Award of Excellence. The ACI Awards program provides a platform to recognize projects at the forefront of innovation and technology, and showcases these projects to inspire excellence in concrete design and construction around the world.

The ACI Kuwait Chapter awarded

ent), KEO International Consultants (design and supervision), First United General Trading & Contracting (main contractor) and finally to the concrete suppliers, Bubiyan Ready Mix Co W.L.L.

The Headquarters concept was awarded to KEO as part of an international design competition held in 2007. Construction on the project began in 2013 and is due to be completed by the end of 2016. Structures for the project were significantly completed in the summer of 2015.

for the office tower was to achieve clear open spaces internally, and to have large clear spans over the atrium openings on the facades. The result was a structure with only 4 internal columns arranged on the corners of the atria, and Vierendeel trusses spanning over the massive facade openings. The shapes of the podium building were inspired by traditional Arab dhows, and were constructed by taking advantage of the inherent ability of reinforced concrete to be sculpted to suit the dramatic architectural

LOCAL

ARAB TIMES, SUNDAY, MAY 22, 2016



Above: Some photos from the awarding ceremony.

Education Minister Al-Essa was the chief guest

ACI holds annual awards ceremony

KUWAIT CITY, May 21: ACI-Kuwait Chapter's Annual Awards Banquet is a grand event during which the Chapter recognizes outstanding projects and individuals. Each year two honours are bestowed, the Award of Excellence and the Award of Achievement.

This year's Awards Banquet was held at the Raddison Blu Hotel on 17th May, 2016. The Chief Guest was His Excellency, Dr. Bader Hamad Al-Essa, Minister of Education and Minister of Higher Education. The function was well attended by a number of distinguished personalities, the awardees, ACI-KC members and their spouses, representatives of Kuwait's building and construction industries, and other guests.

The proceedings of the evening were conducted by Aziz Mamuji, Director of the Chapter, and Chairperson of its Awards and Publication Committees.

He welcomed the Chief Guest and all attendees, and called upon Dr. Moetaz El-Hawary, the President of ACI-Kuwait Chapter to address the audience. His Excellency The Minister of Education and Minister of Higher Education, Dr. Bader Al-Essa was then invited to address the gathering. He thanked the Chapter for inviting him to the function and gave

praise for the efforts being made to promote good construction and concrete related practices in Kuwait.

Thereafter, Aziz Mamuji briefly outlined ACI-Kuwait Chapter's mission and activities; and explained the significance of Chapter's Award of Excellence and Award of Achievement.

The Award of Excellence is presented to a project in recognition of its outstanding design using concrete, innovative architectural and structural design landmarks and high standards of construction.

The Award of Achievement is presented to an individual to recognize his or her long standing contribution towards advancing engineering education, construction technology, concrete usage and practice, promoting architectural and general development, or to a related area of expertise. Aziz Mamuji then gave a brief presentation of the winning project; and introduced this year's winner of the Award of Achievement.

The winner of ACI-KC Award of Excellence for 2015 was the new Headquarters for Kuwait Investment Authority. KIA were presented with a trophy, plaque and certificate, which were collected on KIA's behalf by Abdul Kareem Mohammed Al-Saeed,

Director of Administrative, Financial and Personnel Affairs Department.

Plaques and certificates were also presented to Dr. Abdul Aziz Sultan, President of KEO International Consultants, who designed and supervised the building; Talal Andraos who represented First United General Trading and Contracting Company, the main contractor; and Haytham Al Rifai, General Manager of Bubiyan Ready-Mix, the main concrete supplier.

Award of Achievement

Award of Achievement for the 2015 was given to Mohammed Abdulaziz Alshaya, for pioneering and promoting modern retail development in the State of Kuwait and across the Middle East.

Alshaya is the Executive Chairman of M.H. Alshaya Company; Chairman Mabane Company, the developers of The Avenues; and Chairman Al Shomouh Real Estate of Saudi Arabia. The award was collected on behalf of Mr. Alshaya by Ms. Shuaa Al-Qati, Communication Director of Mabane Company.

The presentation ceremonies were followed by the taking of group photographs of all winners and ACI-KC Board Members; and the well-organised event ended with dinner.

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