

8th Issue



ACWUA

الجمعية العربية لمرافق المياه
Arab Countries Water Utilities Association

GLOBAL CENTER OF EXCELLENCE

ACWUA Newsletter

December, 2017

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Introduction

Welcome to the second issue of the Arab Countries Water Utilities Association (ACWUA) Newsletter. As ACWUA main role in supporting the relationship between its members, partners and donors in water sector and to promote their activities regional-ly and internationally. Accordingly we allocate a good space for our members and friends in this issue as they are integral part of ACWUA.

ACWUA Vision

ACWUA, as a global center of excellence, will work in partnership with water and wastewater utilities in the Arab countries, on building capacities within the utilities, and on instituting best practices, in order for the utilities to achieve their objectives.

ACWUA Mission

ACWUA provides its services to its members in the Arab region relying on its own resources and on the competencies inherent within the member utilities, with the objective of providing them with technical support to develop their performance in managing and producing and supplying water and wastewater services, taking into consideration their technical and professional needs—all this through:

1. Operating as a regional platform and expanding internationally, to exchange knowledge between members and experts in the water and wastewater sector.
2. Developing resources and implementing training programs and professional O&M licensing and accreditation programs to support the members in carrying out their missions and tasks in a professional reliable manner with the least costs possible.
3. Developing and applying specifications and standards in the areas of water governance, utilities management and O&M in water and wastewater utilities.
4. Responding to the technical needs of the members through providing advisory services in various aspects that are related to the operations of the utilities through developing a data bank for technical expertise available in the Arab region, and engaging working groups composed from those utilities for this purpose.

Developing and publishing documents, guides, reports and scientific content that is responsive to the needs of the members and sector experts, all the while considering the regional context and challenges that are faced by the utilities.

ACWAU Recent Activities

ACWUA participated in the Korea International Water Week 2017 (KIWW 2017) which is co-hosted by the Ministry of Land, Infrastructure and Transport (MoLIT), the Ministry of Environment (ME), Daegu Metropolitan City, Gyeongsangbuk-Do Province and K-water of the Republic of Korea. The event took place during 20-23 of September, 2017 in Gyeongju/Republic of Korea. KIWW 2017 included number of prominent programs and side events such as World Water Partnership, Water Leaders Round Table, Water Business Forum, the 2nd Annual Review Meeting on the Implementation Roadmaps, and World Water Challenge.

Afterwards, ACWUA participated in The High Level Conference on Climate Change Assessment and Adaptation in the Arab Region during 26-28/9/2017. The conference was organized by ESCWA and in collaboration with the implementing partners of the “Regional Initiative for the Assessment of Climate Change Impacts on Water Resources and Socio-Economic Vulnerability in the Arab Region” (RICCAR), in Beirut, Lebanon. ACWUA’s participation was as a panelist for the “Regional Roundtable on Adaptation: Climate Change Adaptation is a Water Story” as part of the session on Pursuing Climate Change Adaptation workshop. The conference featured the launching of the Arab Climate Change Assessment Report and the Training Manual on Climate Change Adaptation by applying integrated water resources management tools in the Arab region, which drew upon the RICCAR findings.

The highlight activity of October was ACWUA’s participated in the International Exhibition and Conference for Water in Africa and Middle East (Water Africa & Middle East Expo) in Cairo ,Egypt from 17th to 19th October, 2017. ACWUA had a booth in the exhibition and also participated in the conference.

In Addition to the participation in “Global partnership for Social Accountability Forum 2017” which was organized by the World Bank in Washington during 28th October 2017 up to 1st November 2017.

November, 2017 was quite eventful month for ACWUA, as ACWUA was invited by the UN-Water Global Integrated Monitoring Initiative for SDG6 (GMI) to participate in the "Global Workshop for Integrated Monitoring of SDG6 on water and sanitation" during 21-23 November in Hague, Netherland. GMI in 2015 and 2016 was coordinating the development, testing and review of draft monitoring methodologies for the SDG6 indicators included in the 2030 Agenda for Sustainable Development. Thus, all MDG+ Initiative National Focal Points were invited to this event to learn more about these methodologies and support national efforts to contribute to this global baseline on SDG6. Given ACWUA’s experience on regional MDG reporting, and our further work on SDG reporting, ACWUA presented on linking national, regional and global reporting on SDG 6 and explained the MDG Reporting Mechanism.

Based on consultation with the League of Arab States and ACWUA, ESCWA invited the working group for the first meeting of High Level Political Forum (HLPF), on 28th of November in Cairo following the close of the Arab Water Forum. The meeting specifically aimed at preparing a draft road map for regional preparations for the HLPF, which included SDG6 among its areas of focus in 2018. The working group consists of representatives from the General Secretariat of the League of Arab States, the Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD), Arab Organization for Agriculture and Development (AOAD), UN Environment, Food and Agriculture Organization of the United Nations (FAO), Arab Water Council, Centre for Environment and Development for the Arab Region and Europe (CEDARE) and the Arab Network for Environment and Development (RAED).

Furthermore, ACWUA also participated in the Expert Group Meeting on Pursuing Improved Shared Water Resources Management within the Framework of Global and Regional Agreements (Cairo, 29 November 2017), which ESCWA organised in partnership with the League of Arab States. Our participation was a presentation on “Pursuing SDG 6.1, 6.2 and 6.3 in a Shared Water Resources Management Context”.

Finally yet importantly, ACWUA conducted a business trip to Pakistan during 14-22/12/2017, as we were invited by the Pakistan Water Operators Network (PWON) to attend the periodical meeting for PWON steering committee. In this meeting ACWUA signed a MoU with PWON. Also ACWUA’s delegation visited number of water utilities in Lahore, Mardan and Karachi, also conducted meetings with business leaders from the private sector in the Pakistani water and sanitation cluster.

Supporting Gender Mainstreaming Component in Jordan's Water Sector Strategy (2016 - 2025) Project funded by UNESCO

ACWUA starts to implement a case study on gender mainstreaming in Integrated Water Resources Management and Water Sanitation and Hygiene (WASH) in Jordan. In this regard, ACWUA will build on UNESCO comprehensive toolkit on “sex-disaggregated indicators for water assessment, monitoring, and reporting and on the outcomes of “integrated monitoring of water and sanitation related Sustainable Development Goals (SDG) targets – GEMI” workshop held in Amman in 2015 to ensure (a) a state-of-the-art structured approach to the study, and (b) an outcome that includes concrete actions and tools that can directly contribute to Jordan’s water management

Training Programs

Arab Countries Water Utilities Association (ACWUA) Conduct the “Water Distribution Operator - Level 2” certification course as part of the Occupational License Program accredited by the Center of Accreditation and Quality Assurance (CAQA) in Jordan for 15 participants from Miyahuna water company(Zarqa & Madaba) and Water Authority of Jordan– Balqa gover-

ACWUA at IFAT 2018



Visit **ACWUA Stand at (B2.116)**

ACWUA is having a large joint stand with members from water utilities and private sector as we return in the past 4 years, who will be co-exhibiting besides ACWUA at IFAT in Munich—Germany 14—18 May 2018.

About IFAT:

IFAT is one of the world's largest trade fairs for environmental technology, specifically focusing on water, sewage, waste and raw materials management. Taking place biennially in Munich, Germany, it is a prime showcase for the latest market trends and innovative technology. Industry and trade associations present specific sector solutions, innovations, state-of-the-art technology and broad spectrum of services in the fields of water, sewage, refuse and raw materials management. In 2014, over 3,000 exhibitors from 54 countries participated in IFAT, attracting about 125,000 visitors, of which over 50,000 were international participants from 180 countries.

IFAT revolves around state of the art know-how; just one of the reasons it is so popular among visitors. As a result, it offers you a number of opportunities to network at the international level. Whether it comes to comparing specific interests, discovering new contacts or establishing promising business ties: this is the place to discuss everything with everyone.

Thanks to its unique program of supporting events, IFAT is a trade fair of opinions, findings, experiences and visions. The forums are platforms for company presentations, panel discussions, country specials, technical discussions and special events. Trade associations and manufacturers will hold practice-oriented live demonstrations of machines and systems at the open-air site.

The thing that makes the events program so impressive is the extraordinarily wide range of topics that it covers. Thanks to experienced professionals, key domestic and international trade associations, government agencies and ministries, IFAT will be an international industry event again in 2018. This trade fair is like no other event of its kind because it opens up new perspectives and points of view that are groundbreaking for trade-fair participants and market players alike.

Join ACWUA as co-exhibitor and share the cost with ACWUA valued members and friends by sending email to: sarah_abusalim@acwua.org ; acwua_secretariat@acwua.org.

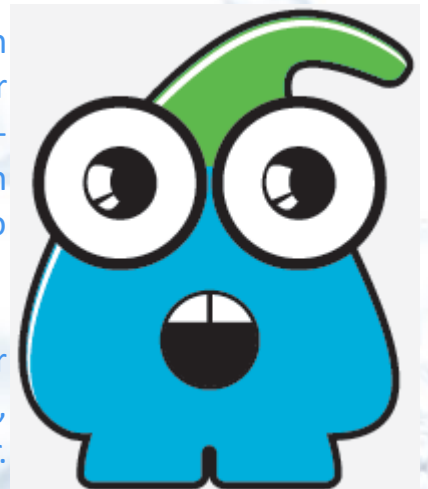
Note: the available exhibition area is limited and the priority for those who make reservations first



The sewage network is a responsibility of Miyahuna has been designed to absorb only wastewater, Therefore, connect rainwater on the same system leads to inability of the sewage lines to absorb rain water and thus, return of water drainage mixed with rain water to the houses of citizens and streets which in turn lead to pollution of the environment and the emission of foul odors.

The rainwater drainage network, which is responsibility of Greater Amman Municipality and the municipalities in the governorates, was designed to absorb only rainwater.

Linking the rainwater gutters to the sewage network is illegal and punishable by imprisonment for a period of four months to two years and a fine of 1000 - 3000 Jordanian dinars





مجلس تنظيم قطاع المياه
WATER SECTOR REGULATORY COUNCIL

Data and Information of providing water and sanitation level services in Palestine are now available

Believe in the necessity for accurate data about water and sanitation services that enable decision makers' actions and measures to improve services, the Palestinian Water Regulatory Council as the first body in the Arab region with full administrative and financial autonomy. Is preparing to launch the first database of water and sanitation service providers at local and international level in 2018 which is linked to the World Bank database.

The network will enhance service providers to download their data directly online and print their own reports, as well as to make general or specialized comparisons of performance and indicators with all service provider around the world. The database will also enable researchers to use these data easily.

As a part of council efforts to expand its activities. At the time and as a commitment on council to expand it activities and provide better performance. The council complete and implement performance indicators.

The first report will be issued before the end of this year, and will issue an annual report about the performance of sanitation service providers at the same time the council will develop appropriate mechanisms for monitoring operations on water and sanitation based on the expected minimum performance levels of service providers. And special report is expected to be issued before the end of this year.

You can always follow up wsrc latest news and activities, read the latest publications on our website: www.wsrc.ps follow wsrc on Facebook: water sector regulatory council.

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Alexandria Water Company valuable past and glorious future

AWCO sets policies and thinks out of the box by developing the trends and caring for exchanging the trends and caring for exchanging benefits and cooperating with different companies in Egypt and worldwide.

AWCO offers high quality products, services and consultation to achieve profits and so expenses can be reduced. Thus, the latest high-tech equipment of manufacturing can purchased.

The reason for AWCO success is the high qualified human resources, the remarkable administrative system and the strong financial position.

These factors enable AWCO to achieve best results and compete with other organizations.

We invite you to see the sustainable development in AWCO as part of the water sector in Egypt.

AWCO is always ready to satisfy the needs of all other national and international companies, hoping that our products meet your needs.

Awco training center announces holding training courses in all performance development fields. It is equipped with all the means necessary for the training process. It includes an information technology infrastructure as well as network interfaces. There are applications servers that contain programs such as training database management system, Web Training, Admission and Registration System, Data Analysis Unit and AWCO training application to connect and register through mobile phones using the Android system.

Awco provides many important services i.e. maintaining meters, repairing pumps, electric panels, rolling motors, metal works, vehicles repair, manufacturing all types of furniture (home, office and laboratories carpentry) making clothes for workers in all sectors with highest quality and lowest costs ram materials.

AWCO provides its services in the fields of control and monitoring water treatment plants and provides training services to deal with Scada System, automated control, electromechanical operation, leak detection services, survey works and purifying tanks.

AWCO can save money by providing innovative consultation to implement sustainable technical management to ensure the highest efficiency of operating purification stages at WTP(s), raising the efficiency of pumps and operating panels, supervising the implementation of drinking water projects and establishing standard designs for WTP(s)

- After obtaining ISO 17025;AWCO can analyze organic and inorganic samples , do microbiological and biological tests with competitive prices and accurate results.
- AWCO can provide you with the ideal solution for the calcareous deposits treatment, controlling the corrosion and installing crusts of industrial operating systems through environmentally friendly alternatives which are patented and obtained international awards.

For more information, kindly visit our website: <http://www.alexwater.com.eg/>



USAID
FROM THE AMERICAN PEOPLE

JORDAN WATER MANAGEMENT INITIATIVE (WMI) PROJECT

The Water Management Initiative (WMI) Activity, funded by the United States Agency for International Development (USAID), is a five-year project (2016-2021) that aims to improve the sustainable management of the Jordanian water sector through developing critical capacity, enhancing sector performance, and developing broad-based support for immediate and long-term reform.

Through a suite of focused, catalyzing activities, WMI is partnering with the Government of Jordan to implement a targeted technical assistance and capacity building to help improve utility management practices, including reduced NRW and improved cost recovery. WMI also supports improved groundwater and irrigation management, enhanced wastewater treatment performance and water quality protection, sector regulation and governance, and water demand management. Behavior change and strategic communications activities support all facets of program implementation, including a focus on gender mainstreaming and youth engagement.



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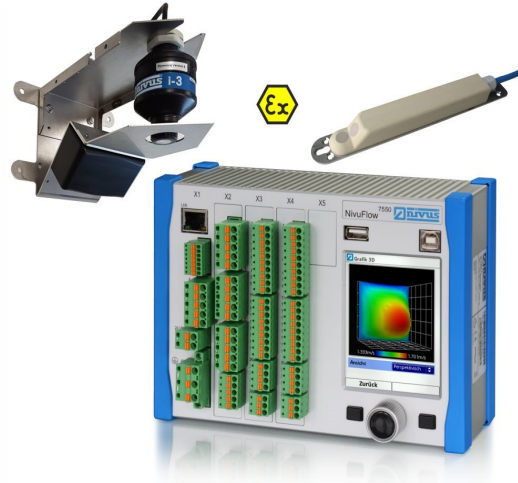
USAID / Water Management Initiative (WMI) Project
Implemented by Tetra Tech International Inc.



Hybrid Flow Metering

NIVUS combine Radar Technology and Ultrasonic Technology in one single Transmitter

Introducing the new NivuFlow 7550 the measurement systems manufacturer from now on provides a hybrid metering system for flow rate detection besides measurement systems based on ultrasound and radar technology. In addition to flow velocity determination using radar the transmitter is designed to detect velocities by using the ultrasonic cross correlation method. So the complete measurement system is equipped with two flow velocity sensors, one level sensor and the NivuFlow 7550 hybrid transmitter.



Depending on the sensor installation position and the filling level there are two basic applications for hybrid metering: hybrid metering as measurement range extension (e.g. impounding in canals) to make sure the measurement covers the entire range and hybrid metering as redundant systems to increase accuracy.

The hybrid measurement system benefits from the advantages of both technologies. Thanks to the ultrasonic cross correlation method the velocities are measured in various flow levels. This not only enables to map the flow profile but also to increase the accuracy of the entire system. The radar sensor is installed outside of or above the medium and hence is ideally suited for applications featuring sedimentation. Measuring the surface ve-

The NIVUS group is a leading developer, manufacturer and supplier of measurement instruments for water industry. For more than 50 years the company has been pointing the way ahead in measurement technology, continuously developing new products and practice-oriented solutions. Based in Eppingen, Germany, NIVUS operate 9 international subsidiaries and co-operate with more than 40 distributors all over the world.

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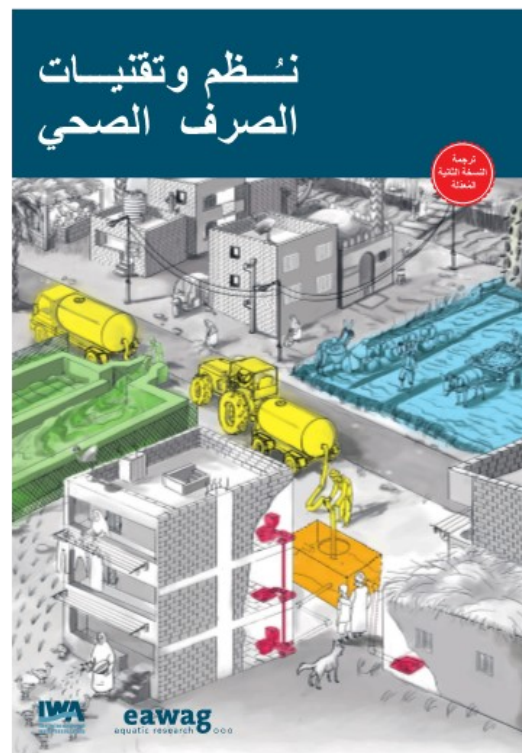
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www.nivus.com



cewas middle east

The Arabic Compendium of Sanitation Systems and Technologies The guide for sustainable sanitation planning

Addressing the lack of available sources on comprehensive sanitation systems in Arabic and the increased need for an effective system planning tool, the [Arabic Compendium of Sanitation Systems and Technologies](#) is the new sanitation guide of 2017. It describes different system configurations for a variety of settings: urban, peri-urban and rural and provides in depth information on improved safe, hygienic and accessible sanitation technologies. The translation of the Compendium into Arabic is the result of a collaboration between cewas Middle East, EAWAG and Bena Foundation with the support of the Swiss Agency for Development and Cooperation. Since the official launch of the Arabic Compendium at Arab Water Week in Jordan in March 2017, a large dissemination campaign has started to share the Compendium with engineers, planners, decision-makers, non-governmental organizations staff as well as



academicians active in the sanitation sector in the Arab region. Trainings, workshops, public events and an online and social media campaign ([the Arabic Compendium](#)) have already reached thousands of practitioners and those interested to take and support action towards sustainable sanitation. Download the *Compendium*, share your knowledge and join the movement!

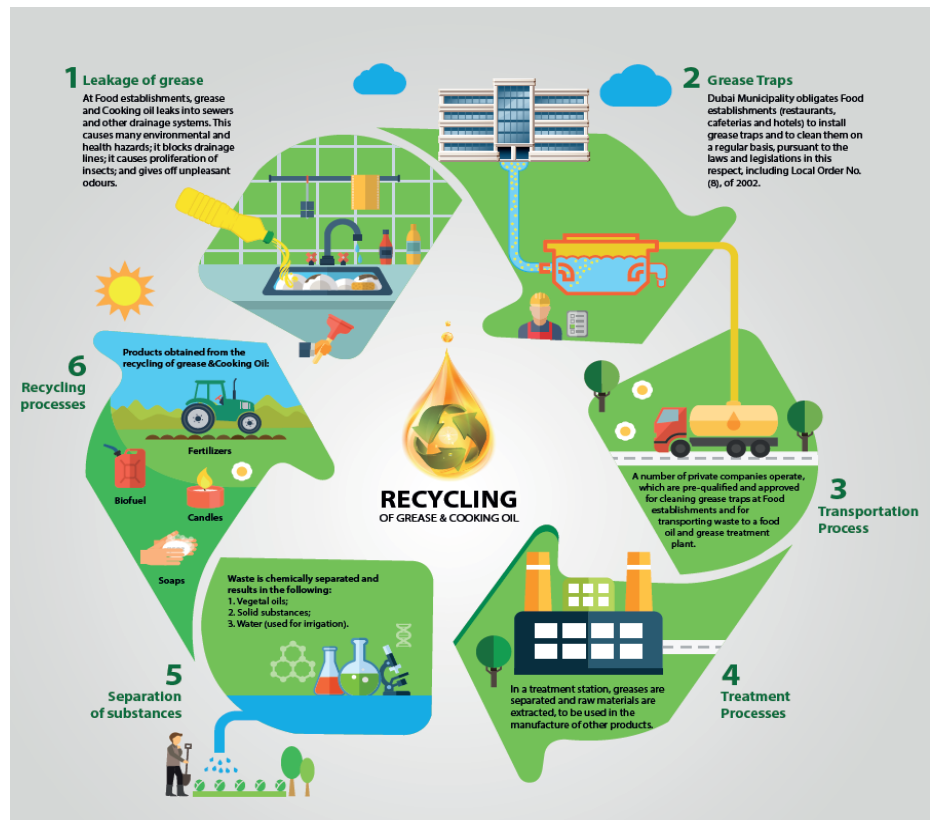
For more information and request of hardcopies, please contact middleeast@cewas.org



Integrated fat, oil and grease waste recycling program in Dubai – a sustainability initiative strategy adopted by Dubai municipality

About seventeen thousand restaurants and hotels process food in large quantities and an equal amount of Fat , oil and grease (FOG) waste is dumped down the drains. The FOG cause major problems to drains and sewers as the number of food outlets is increasing in dubai due to growth in economy . When they are disposed of down the kitchen sinks or drains they cause blockages and when they enter rainwater pipes or gullies they cause pollution in creeks/seas. The FOG in liquid form may not appear to be harmful, but as it cools it congeals and hardens and sticks to the inner lining of drainage pipes and restricts the wastewater flow causing the pipes to block which results in sewer flooding, odour problems and the risk of rat infestations, both near and beyond the premises.

In order to overcome this issue , Dubai municipality (Drainage and irrigation network department) and M/s Al Serkal group established a waste edible oil recycling facility at Al Awir on Built , Operate and Transfer Contract (BOOT) basis which recycles the waste cooking oil from hotels, restaurants and food processing industries. The waste that is taken to the plant from the hotels /restaurants goes into process and produces soil, water and oil that can be reused for composting, irrigation and cosmetic industries respectively. The food service establishments are responsible for collection of FOG deposited in the grease traps and shall transport through authorized logistics company to the Al Awir processing plant . Also It will be interesting to note that in this successful PPP model project ,about 12 million gallons of grease is being collected and processed in the recycling facility annually .



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JORDAN ENERGY CHAPTER



Jordan Energy Chapter – EDAMA

In cooperation with the Association of Energy Engineers (AEE®)

is pleased to announce the 2nd

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Amman, Jordan January 21-24, 2018

CWEP® Eligibility

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- An individual with at least one year of experience in water efficiency, energy management, or operations and maintenance of a building or facility OR
- Current status of CEM, BEP, or EEP

To Reserve Your Seat

✓Deadline for applications **January 18th, 2018**

✓To apply: email samer_zawaydeh@yahoo.com

Jordan Energy Chapter;

Samer Zawaydeh, MSc, CRM, REP, PMP, AEE Life Member, CWEEEL Member

Request an application form or if you have questions.



جمعية علوم وتقنية المياه
Water Sciences and Technology Association
Established 1987

WSTA
The **leading**
Water Association in
the GCC Countries



www.wstagcc.org

   @WSTAGCC

Water Sciences and technology Association WSTA was formally established in the Kingdom of Bahrain in September 1987, to be the first scientific association in the field of water sciences and technology in the Arabian Gulf region. WSTA is a non-government organization and its membership is open to all water professionals in the GCC, water-related national and international organizations, educational institutes, consultants, and companies.

WSTA aims to encourage and promote interest in water sciences and strengthen scientific ties among water professionals in the GCC countries, encourage scientific research, training programs, and the development of local capabilities in the different fields of water sciences and technology. The Association endeavors to collaborate with its partners in the GCC to participate in water awareness campaigns leading to optimum utilization of water

Water Sciences & Technology Association, P.O. Box 20018, Kingdom of Bahrain
T: +973 39 152288 F: +973 17 162883

ACWUA Valued Members



Holding Company for Water & Waste Water



Greater Cairo Water Company



Assiut Water and Wastewater Company



Alexandria Water Company



Menya Water and Sanitation Company



Fayoum Drinking Water and Sanitation Company



Giza Drinking Water & Wastewater Company



Dakahlia Potable Water and Sanitary Drainage Company



Cairo Water Company



Luxor Water & Wastewater Company



Greater Cairo Sanitary Drainage Company



Beheira Water & Wastewater Company



Sharkia Water & Wastewater Company



Red Sea Water and Wastewater Company



Qena Water & Wastewater Company



Gharbia Water and Sanitation Company



Damietta Water & Wastewater Company



Alexandria Sanitary Drainage Company



Aswan Water & Wastewater Company



Matrouh Water & Wastewater Company



North and South Sinai Company for Water and Wastewater



Sohag Water and Wastewater Company



Benisuef Water and Sanitation Company



Menoufia Company for Water and Wastewater



Kafr ElShikh for Water & Wastewater Company



Anabta Municipality



Coastal Municipalities
Water Utility –CMWU



Hebron Municipality



Jericho Municipality



Joint Service Council
for Water - Jenin



Nablus Municipality



Palestinian Water
Authority (PWA)



Sier Municipality



Water Supply and Sewerage
Authority Bethlehem



Water and Electricity Au-
thority, Abu Dhabi



Abu Dhabi Distribution
Company



Abu Dhabi Sewerage
Services



Abu Dhabi Transmission
and Despatch



شركة العين للتوزيع
Al Ain Distribution Company

Al Ain Distribution
Company

الهيئة الاتحادية للكهرباء والماء
Federal Electricity & Water Authority



[Federal Authority for Water
and Electricity / UAE](#)



هيئة كهرباء ومياه الشارقة
Sharjah Electricity & Water Authority

Water and Electricity
Authority Sharjah

هيئة كهرباء ومياه دبي
Dubai Electricity & Water Authority



Water and Electricity
Authority, Dubai



Centre National Des Re-
sources en Eau (S.N.D.E) -
Mauritania



وزارة الأشغال العامة
MINISTRY OF PUBLIC WORKS

Ministry of Public Works

Libya

General Company for Water and
Wastewater - Libya



Egyptian Water and Wastewater Regula-
tory Agency (EWRA)



Office National de l'Assainisse-
ment - Algeria



Algerienne des Eaux - ADE
Algeria



Ministère Délégué auprès du Ministère
de l'Énergie, des Mines de l'Eau
et de l'Environnement Chargé de l'Eau

Ministère Délégué Charge de
l'Eau



Ministry of Municipalities and Public Works (MMPW) - Iraq



Lebanon Eco Movement

المكتب الوطني للكهرباء و الماء الصالح للشرب

Office National de l'Electricité et de l'Eau Potable

ONEE- Morocco



SONEDE – Tunisia



الديوان الوطني للتطهير
OFFICE NATIONAL DE L'ASSAINISSEMENT

ONAS - Tunisia



مؤسسة مياه بيروت وجبل لبنان
Establishment of The Water of Beirut & Mount Lebanon

Beirut & Mount Lebanon Water Establishment



North Lebanon Water Establishment

North Lebanon Water Es-

مؤسسة مياه البقاع
Bekaa Water Establishment

Bekaa Water Establishment



مؤسسة مياه لبنان الجنوبي
South Lebanon Water Establishment

South Lebanon Water Establishment



Ministry of Works - Bahrain



Aqaba Water Company – AWC



Jordan Water Company, Miyahuna LLC.

Hashemite Kingdom of Jordan



Ministry of Water and Irrigation MWI

Hashemite Kingdom of Jordan



Jordan Valley Authority



Sanaa Water and Sanitation Local Corporation SWS



Yarmouk Water Company

Yemen

Hodeidah Water and Sanitation Local Corporation

Hashemite Kingdom of Jordan



Water Authority of Jordan

Yemen

Al Baydha Water and Sanitation Local Corporation

Yemen

Local Water and Sanitation Corporation Al Mokha

Yemen

Hajjah Water Supply & Sanitation Local Corporation



Local Water and Sanitation Corporation Amran

Yemen

As-shihr Water Utility

Yemen

Al Mahweet Water Supply and

Yemen

Local Water and Sanitation Corporation Aden

Yemen

Water Supply & Sanitation Local Corporation Dhamar

Yemen

General Administration of Water and Sanitation and the Ministry of Environment

Yemen

Sadah Water Supply and Sanitation Local Corporation

Yemen

Bajil Water and Sanitation LLC

Yemen

Abyan Local Corporation

Yemen

Bait Al-faqih Water and Sanitation Local Corporation

Yemen

Seiyun Local Corporation

Yemen

Ibb Water and Sanitation
Local corporation



University of Sana'a



National Water and Sanitation Authority



Local Water and Sanitation Corporation Ta'az

Yemen

Central Authority for Rural areas - Yemen

Yemen

Zabid Water and Sanitation Local Corporation - Yemen

Private Sector Members



Xylem Water Solutions
Germany



Utilities Development Com-
pany (UDC) W.L.L – Kuwait



Emirates Sembcorp
Water and Power
Company - UAE



National Water Com-
pany – KSA



Nivus GmbH - German



Salah Sanitary Drainage
Services Company – Oman



Bremen Overseas Research and Devel-
opment Association - Germany



Wilo SE International Co-
operation –German



Chemonics International,
Inc – USA



Maalouf Trading & Con-
tracting s.a.l



Public Authority for Elec-
tricity and Water –
Oman



World Engineering
and Technology



Haya Water Oman



Khost Aqua Consult

DISI

DAOM - Disi Amman
Operation and Maintenance



Engicon



Arabtech Jardaneh Water
and Environment



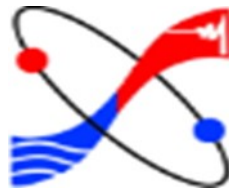
Madinaty Electromechanic Power
Company



Itron Dubai



RadiuSenaat Piping and
Fittings LLC- USA



RSA Electronics – Iran



Smart Water
Metering - Canada



Reetaj Technology &
Technical Services RTTS



Allied Law & Arbitration



Joint Efforts Group
- AL JHOOD



Smart Water
Metering - Canada



Water Management
and Irrigation Institute -
Sri Lanka

ACWUA Team



Ahmad A. Al Azzam

Director of Certification, Capacity Building & Human Resources



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Secretary General



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Director of Finance & Administrative Affairs



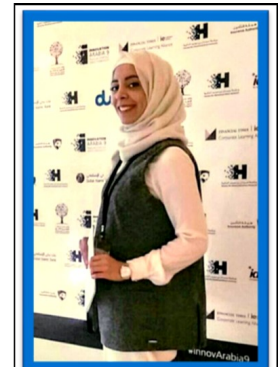
Sarah A. Abu Salim
Marketing & Communication Team Leader



Kawthar Al Zoubi
Executive Secretary



Wa'ed Al Ja'freh
Partnership Building Team Leader



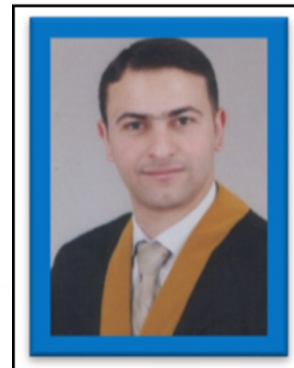
Yasmeen Khashman
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Mohammad Darwish
Information Technology Team Leader



Anas Ateat
Project Officer



Bashar Belbiesi
Certification, Capacity Building & Human Resources Team Leader



Sarah Awamleh
Certification, Capacity Building & Human Resources Officer

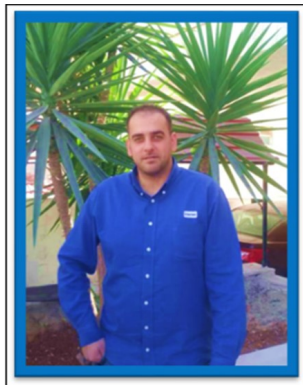
ACWUA Team



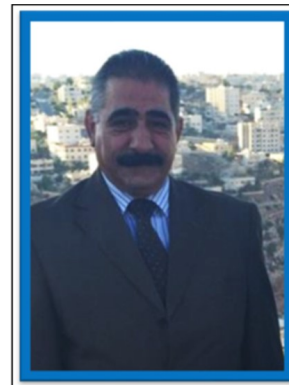
Ala' Al Karableih
Communication &
Marketing Officer



Thaar Al Marmouri
Finance & Administrative
Affairs Officer



Ahmad A'lian



Emad Al Fa'ouri