

IWTC 96

*INTERNATIONAL WATER
TECHNOLOGY CONFERENCE*

المؤتمر الدولي لتقنية المياه
الأسكندرية

٢٦ - ٢٩ فبراير ١٩٩٦

ALEXANDRIA, EGYPT

February 26-29, 1996

FINAL PROGRAM

(IWTC 96)
**INTERNATIONAL WATER
TECHNOLOGY
CONFERENCE**

Alexandria - February 26 - 29, 1996

Under the Auspices of H.E.

Dr. Abdul-Hady Rady

Minster of Water Resources and Public works

Dr. Venes Kamel Gooda

Minster of State for Scientific Research

Prof. Essam Salem

President of Alexandria University

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WELCOME
BIENVENUE
BIENVENUTO
WILKOMMEN
مرحباً

The organizing committees extend to every participant a warm welcome to the First International Water Technology Conference IWTC96.

Welcome to Alexandria the historical city, that reflects the merging of two ancient civilizations, Egyptian and Greek to form its particular place in the heart of human civilization. Alexandria is the pearl of the Mediterranean and the second capital of Egypt.

We hope that you will find time to follow researches and savor the ethnic, business, international and cultural aspects of our setting. We will do our best to make your stay in Alexandria very enjoyable.

The Organizing Committees

CONFERENCE ORGANIZATION

The conference is organized by the following organizations:

- *Alexandria Potable Water Authority.*
- *Alexandria Sanitary Drainage Authority.*
- *El-Tebbin Institute for Metallurgical studies.*
- *Egyptian Society of Mechanical Engineers.*
- *Water Research Center (Ministry of Irrigation)*
- *Sumid Company, Alexandria, Egypt.*
- *Sun in Service of Development, Alexandria (NGO).*
- *Friends of the environment, Alexandria (NGO).*
- *International Consultant, Egypt.*

Conference Chairman (Honorary)

Prof. Amin Mobarak
Cairo University, Egypt

Conference Co-Chairmen

Prof. Sayed Abdel Rassoul
Mansoura University, Egypt

Prof. Mahmoud Abou Zeid
Ministry of Irrigation and Water Resources

Prof. Abdul Latif El-Sharkawy
Secretary General, The Supreme Council
for Research Centers and Institutes, Egypt

Conference Secretary General

Prof. Magdy Abou Rayan
Mansoura University, Egypt

CONFERENCE ORGANIZING COMMITTEE

- ***Mohamed Marzouk***, Chairman, Alexandria Potable Water Authority, Egypt.
- ***Hassan El-Hakeh***, Co-Chairman, Alexandria Sanitary Sewage Authority, Egypt.
- ***Hassan El-Shafei***, Alexandria Potable Water Authority, Egypt.
- ***El-Sayed Abdul Rassoul***, Sun in the Service of Development (NGO) Egypt.
- ***Magdy Abou Rayan***, International Consultants (IC), Egypt.
- ***Mohammed Fayek Abd-Rabou***, University of Zagazig, Egypt.
- ***Hany El-Bonn***, Suez Canal Authority, Egypt.

CONFERENCE EXECUTIVE COMMITTEE

- ***Prof. Magdy Abou Rayan***, Mansoura University, Egypt
- ***Prof. Mohamed Fayek Abed Rabou***, University of Zagazig, Egypt
- ***Eng. Nadia Abdou***, Alexandria General Organization for Potable Water, Egypt
- ***Dr. Nariman Soheil***, General Organization for Sanitary Drainage, Alexandria, Egypt

SCIENTIFIC COMMITTEE

- *Shawky El-Sabbagh*, Chairman, Egyptian Society of Engineering Management
- *Osman Benchikh*, UNESCO, Paris, France
- *Mahmoud Abou Zeid*, Water Research Center, Ministry of Irrigation, Egypt
- *Said Eze Eldine*, El-Tebbin Institute for Metallurgical Studies, Egypt
- *Ali El-Nashar*, Water & Electricity Department, Abu Dhabi, UAE
- *Ali Nazih*, SUMID, Egypt
- *A. El-Sharkawy*, Ministry of Scientific Research, Egypt
- *El-Sayed Abdul Rassoul*, Sun in the Service of Development (NGO), Egypt
- *Magdy Abou Rayan*, International Consultants (IC), Egypt
- *Mohammed Maalej*, University of Tunis, Tunisia
- *Nageh Gad-El-Hak*, Suez canal Authority, Egypt

Conference Administration:

- *Hassan Abdel Wahab*, Financial secretary, Mansoura University.
- *Azza Hamdy Fadl*, Administrative secretary, International Consultants (IC).

ACKNOWLEDGMENT

The printing materials as well as the conference proceedings are sponsored by Sumid Company. Also, the Conference Organizing Committee acknowledges the support received from El-Tebbin Institute for Metallurgical Studies, and the Egyptian Society of Mechanical Engineers.

COMPANIES PARTICIPATED IN THE CONFERENCE EXHIBITION

- 1- *Aluminum Sulfate Co. of Egypt*
- 2- *Degremont*
- 3- *El-Nasr Company for Castings & Valves*
- 4- *Arab Organization for Industrialization Engine Factory*
- 5- *Erection & Industrial Service Co. (Eriscom)*
- 6- *Garno Misr Contracts & Trade*
- 7- *Aluminum Chemical Misr*
- 8- *Arab Consulting Engineering*
- 9- *El-Nasr company for Prestressed Concrete Pipes*
- 10- *Chemix Co. For Scientific & Industrial Services*

PROGRAM BRIEF

MONDAY FEBRUARY 26, 1996

17:00-21:00 Registration at Helnan Palestine Hotel
19:00 Exhibition Opening and Reception in DAHABIA HALL
20:30 Meeting Scientific and Organization Committees

TUESDAY FEBRUARY 27, 1996

09:30-10:00 Opening Ceremonies
10:30-12:00 Technical Session (1)
12:15-01:45 Technical Sessions (6), (2)
01:45-02:30 Lunch
15:00-16:30 Workshop (1), Technical Session (T1)
16:45-18:15 Workshop (3)

WEDNESDAY FEBRUARY 28, 1996

09:00-10:30 Technical Sessions (7), (8)
10:30-11:00 Coffee Break
11:00-12:30 Technical Sessions (4), (T2)
12:30-13:30 Technical Session (T3)
13:30-14:30 Lunch
15:00-16:30 Workshop (2)
16:45-18:15 Workshop (4)

THURSDAY FEBRUARY 29, 1996

09:00-10:30 Technical Session (3), Technical Session (T4)
10:30-11:00 Coffee Break
11:00-12:30 Technical Session (4)
12:30-13:00 Closing Ceremonies
13:00-14:00 Lunch

Tuesday (27/2/1996)

Time	Room A	Room B
09:30-10:00	Opening Ceremonies	
10:30-12:00	Technical Session (1)	
12:15-01:45	Technical Session (6)	Technical Session (2)
01:45-02:30	Lunch	
15:00-16:30	WORKSHOP (1) Prospects of Sewage Treatment (Case of the City of Alexandria)	Technical Session (T1)
16:45-18:15	WORKSHOP (3) Management of Water Resources	

Wednesday (28/2/1996)

Time	Room A	Room B
09:00-10:30	Technical Session (7)	Technical Session (8)
10:30-11:00	Coffee Break	
11:00-12:30	Technical Session (5)	Technical Session (T2)
12:30-13:30		Technical Session (T3)
13:30-14:30	Lunch	
15:00-16:30	WORKSHOP (2) Prospects and Strategy for Potable Water	
16:45-18:15	WORKSHOP (4) Water Treatment Plant Monitoring and Automation	

Thursday (29/2/1996)

Time	Room A	Room B
09:00-10:30	Technical Session (3)	Technical Session (T4)
10:30-11:00	Coffee Break	
11:00-12:30	Technical Session (4)	
12:30-13:00	Closing Ceremonies	
13:00-14:00	Lunch	

TECHNICAL SESSIONS

SESSION 1

SEWAGE WASTE WATER TREATMENT (1)

PLACE : *ROOM (A)*

TUESDAY 27/2/1996, 10:30-12:00

CHAIRPERSONS :

- *El-Sharkawy*, Alexandria University, Egypt
- *Hassan El-Hakeeh*, President, General Organization for Sanitary Drainage, Egypt
- *I. Gar El-Alm Rashed*, Mansoura University, Egypt

1- **Sludge Anaerobic Digestion (General Lecture)**

A. Haubry, F. Connier, and A. Meunier, Degremont

2- **Sewage System for Touristic Coastal Villages.**

H. Sief, Faculty of Engineering, Alexandria University, Egypt.

3- **A Cleaner, No Sludge Forming Process for Treatment and Reuse of Waste Water.**

S. M. Mohamed Fadl, Environmental & Water Engineering Consultants, Ewatec, Alexandria and *G. E. Youssef*, Director, Garo Misr, Cairo, Egypt.

SESSION 2

INDUSTRIAL WASTE WATER TREATMENT (1)

PLACE : *ROOM (A)*

THURSDAY 29/2/1996, 12:15-13:45

CHAIRPERSONS :

- *Said Ez-Eldin*, Director, El-Tebbin Institute for Metallurgical Studies, Cairo, Egypt
- *A. Fadel*, Faculty of Engineering, Mansoura University, Egypt
- *Nariman Soheil*, General Organization for Sanitary Drainage, Alexandria, Egypt

1- **Total Destruction of Persistence Chemical in Water via UV-Light.**

M. Mansour, Germany.

2- **Performance of Menouf City Waste Water Treatment Plant for the Removal of Different Pollutants.**

F. A. Fahim, O. D. Elsebie, M. A. Hewahy and N. A. Abdullah, Egypt.

3- **Organic and Heavy Metals Removal from Waste Water Effluents using Cloud Point Extraction Technique.**

T. M. Sami, Tebbin Institute for Metallurgical Studies, Egypt, and *M. H. El-Awady*, Water Pollution Research Dept., National Research Center, Egypt.

SESSION 3

POTABLE WATER TREATMENT (1)

PLACE : ROOM (A)

THURSDAY 29/2/1996, 9:00-10:30

CHAIRPERSONS :

- *Sayed Abdel Rassoul*, Mansoura University, Egypt
- *M. Marzouk*, Alexandria General Organization for Potable Water, Egypt
- *M. Naeem*, Water Department, Suez Canal Authority, Ismailia, Egypt

1- Potable Water Pollution Prevention.

N. Abdou, Alexandria General Organization for Potable Water, and
O. El-Sebaei, Alexandria University, Egypt.

2- Safe Drinking Water from Small Systems in Dakhlia Governorate.

G. A. Rashed, H. F. Al-Gamal and A. A. Al-Sarwy, Mansoura University, Egypt.

3- Structure and Properties of Needle Punched Nonwoven Fabrics Used in Slow Sand Filters.

A. El-Hadidy, Faculty of Eng., Mansoura University, Egypt.

4- Computer Based Monitoring and Control System for Water Purification Plants.

M. Abou-Rayan, Mansoura University and *N. Gadelhak*, Suez Canal Authority, Egypt.

SESSION 4

POTABLE WATER TREATMENT & NETWORKS

PLACE : ROOM (A)

THURSDAY 29/2/1996, 11:00-12:30

CHAIRPERSONS :

- *Olfat EL-Sebaei, Alexandria University, Egypt*
- *Hassan EL-Shafei, President Alexandria General Organization for Potable Water, Egypt*
- *Nageh Gad El-Hak, Water Department Suez Canal Authority, Ismailia, Egypt*

1- **Mutual Influence of Neighboring Offshore Pipelines Subjected to Current Flow on the Erosion of Alluvial Bed.**

N. A. Aly, Assiut University, Egypt.

2- **Water Tank and Water Pollution.**

H. Sief, Faculty of Engineering, Alexandria University, Egypt.

3- **Brief Notes on the Egyptian Standard 1700-1989 Covering Liquid Aluminum Sulfate.**

G. Roncolato, Alumenium Chemical, Egypt.

4- **Hydraulic Measurements for Potable Water Networks (A Case Study)**

M. Abou Rayan, A. Helal, International Consultant Egypt, M. Shatla

5- **Applying a Surface Diffusion Model for a Rhodamine Activated Carbon System.**

F. M. Abdulrasool, Lecturer, Sanitary Eng. Dept. Faculty of Eng., Alexandria University, Egypt.

SESSION 5

WATER MANAGEMENT

PLACE : *ROOM (A)*

WEDNESDAY 28/2/1996, 11:00-12:30

CHAIRPERSONS :

- *Shawky El-Sabbagh*, Egyptian Society of Engineers
- *Mona El-Kady*, Vice Dean, National Water Research Center, Cairo, Egypt
- *Fifi M. Abdel-Rassoul*, Alexandria University

1- **Environmental Assessment of the Water Bodies Quality of Alexandria.**

N. M. Soheil, General Manager for Lab. and Industrial Research, General Organization for Sanitary Drainage, El-Shatby, Alexandria, Egypt.

2- **Utilizing Water Resources in Arid Zones.**

Ibrahim Elshimawy, M. S. Farid, National Water Research Center, and *M. Morad*, Cairo University, Egypt.

3- **Storm Water and Swimming Pool Drainage System at the North Coastal Villages.**

H. Sief, Faculty of Engineering, Alexandria University, Egypt.

4- **Public Relations: A Necessary Component of an Operations Manager's Responsibilities.**

H. Abdel Hady, Alexandria General Organization for Sanitary Drainage, Egypt.

SESSION 6

DESALINATION

PLACE : *ROOM (A)*

TUESDAY 27/2/1996, 12:15-13:45

CHAIRPERSONS :

- *Aly El-Nashar*, Abou-Dhabi Water & Electricity Department
- *Osman Bencheikh*, Engineering Science and Technology Division, UNESCO, (Paris)

- 1- **Overview of Solar Desalination Development. (Invited Lecture)**
Aly El-Nashar, Abou-Dhabi Water & Electricity Department
- 2- **The Prospects of Solar Desalination in the Gaza Strip.**
A. Dakhlan, Director of Palestinian Energy Research Center, Palestine.
- 3- **Prospects of Solar Desalination in Egypt.**
R. A. Abdurassoul and E. M. A. Rassoul, Mansoura University, Egypt.
- 4- **Thermal Analysis of Vapor Compression Desalination Plants.**
S. A. Abdel-Moniem, R. Y. Sakr and S. F. Atwan, Mech. Eng. Dept., Faculty of Eng. (Shoubra), Zagazig University, Cairo, Egypt.
- 5- **Thermal Analysis of a Multi-Effect Desalination Plants.**
S. A. Abdel-Moniem, R. Y. Sakr and S. F. Atwan, Mech. Eng. Dept., Faculty of Eng. (Shoubra), Zagazig University, Cairo, Egypt.

SESSION 7

**INDUSTRIAL WASTE WATER TREATMENT
MANAGEMENT (2)**

PLACE : *ROOM (A)*

WEDNESDAY 28/2/1996, 9:00-10:30

CHAIRPERSONS :

- *Aly Nazih*, President Sumid, Alexandria, Egypt
- *Nadia Abdou*, Alexandria General Organization for Potable Water, Egypt
- *Samia Massoud*, Consultant

1- Clean Technology and Industrial Waste Water Pollution Prevention (Case Study).

N. M. Sohil, General Manager for Lab. and Industrial Research, General Org. for Sanitary Drainage, El-Shatby, Alexandria, Egypt.

2- Linear Kinetic Cell Magnetic Radio Wave for Water Treatment Waste.

S. Rophael, Chemist, Chemix Co., Alexandria, Egypt.

3- Treatment of Industrial Wastewater by Portland Cement Kiln Dust.

T. M. Sami, Tebbin Institute for Metallurgical Studies, Egypt, and *M. H. El-Awady*, Water Pollution Research Dept., National Research Center, Egypt.

4- Approximate Solution for the B.O.D. Rate Constant for Rakta Waste Water of Washing the Rice Straw.

F. M. Abdelrasoul, *F. A. M. Katkout* and *T. M. A. El-Hassan*, Alexandria University, Egypt.

5- Protecting Water from Contamination by Wastewater Treatment Solids Disposal.

H. Abdel Hady, Alexandria General Organization for Sanitary Drainage, Egypt.

SESSION 8

WATER USE IN IRRIGATION

PLACE : *ROOM (B)*

WEDNESDAY 28/2/1996, 9:00-10:30

CHAIRPERSONS :

- *M. Farid*, Director of Water Resources Institute, Egypt
- *Mohamed Fayek*, Zagazig University, Egypt
- *Hatem El-Attar*, Alexandria University, Egypt

- 1- **On Farm Water Management Efficiency in Egyptian Practice.**
B. A. Zeidan, Tanta University, Egypt.
- 2- **Irrigation Improvement Development.**
F. El-Hessy, National Water Research Center, Cairo, Egypt.
- 3- **Management the Reuse of the Treated Sewage Water in Irrigation.**
Z. M. Fathalla and *T. H. S. Kotb*, Ministry of Public Works and Water Resources, Giza, Egypt.
- 4- **Conjunctive Use of Ground and Surface Water in the Middle Delta.**
N. G. R. Yakoub, National Water Research Center, Cairo, Egypt.

Companies Technical Program

SESSION (T1)

PLACE : ROOM (B)

TUESDAY 27/2/1996, 15:00-16:30

Degremont – Ericom - Aluminum Sulfate Co. of Egypt

SESSION (T2)

PLACE : ROOM (B)

WEDNESDAY 28/2/1996, 11:00-12:30

Garno Misr Contracts & Trade and Arab Consulting Engineers

SESSION (T3)

PLACE : ROOM (B)

WEDNESDAY 28/2/1996, 12:30-13:30

*Arab Organization for Industrialization Engine Factory and El-Nasr
Company for Castings*

SESSION (T4)

PLACE : ROOM (B)

THURSDAY 29/2/1996, 09:00-10:30

*Aluminum Chemical Misr - Chemix Co. for Scientific & Industrial
Services*

WORKSHOPS

WORKSHOP (1)

**Prospects of Sewage Treatment
(Case of the City of Alexandria)
Alexandria, 27 February 1996**

Place : Room (A)

Time : 15:00-16:30

Chairpersons:

- *Prof. Amin Moubarak*, President of the Parliamentary Committee on Industry and Energy, Egypt
- *Prof. El Sayed Abdul-Rassoul*, Faculty of Engineering, Mansoura University, Egypt

Moderators:

Aly Nazih, Sumid Company, Egypt

Speakers:

- *Nariman Sohil*, Alexandria Sanitary Drainage Authority, Egypt
- *Hatem El-Attar*, Alexandria University, Egypt
- *Hamdy Seif*, Alexandria University, Egypt

Objectives:

Overview of the sanitary drainage development in the city of Alexandria. The Future development.

WORKSHOP (2)

Prospect and Strategy for Potable Water Alexandria, 28 February 1996

Place : Room (A)

Time : 15:00-16:30

Chairpersons:

- *Maher El-Gendy*, Friends of Environment, Egypt
- *Prof. El-Sharkawy*, Alexandria University, Egypt

Moderators:

Prof. Olfat El-Sebaei, Alexandria University, Egypt

Speakers:

- *Eng. Nadia Adbou*, Alexandria Potable Water Authority, Egypt
- *Eng. M. Naeem*, Suez Canal Authority, Egypt

Objectives:

The objective of this workshop is to explore the future development of potable water sector, this including the adoption of new and emerging technologies, the revamping of existing plants in order to increase production, Plant operation and maintenance, Network persistence problems, economical consideration.

WORKSHOP (3)

Management of Water Resources Alexandria, 27 February 1996

Place : Room (A)

Time : 16:45-18:15

Chairpersons:

- *Dr. Elbahi ElSawy*, Ex-Director of Authority of Geological Survey, Egypt
- *Dr. Gaber Naeen*, President, Authority of Geological Survey, Egypt

Moderators:

Prof. Mona El-Kady, Vice Dean, Institute of Water Research, Ministry of Irrigation and Water Resources

Speakers:

- *Prof. Mona El-Kady*, Strategy of Water Resources Management, Institute of Water Research, Ministry of Irrigation and Water Resources, Egypt
- *Bakinaze Zeidan*, Water Resources, Tanta University, Egypt
- *Shadia Abdul Gawad*, The reuse of drainage water, Institute of Water use of Underground Water, Institute of Water Research, Ministry of Irrigation and Water Resources, Egypt

Objectives:

The objective of this workshop is to identify the available water resources and the suitable measure to be taken in order to develop it.

WORKSHOP (4)

<p>Water Treatment Plants Monitoring and Automation Alexandria, 28 February 1996</p>

Place : Room (A)

Time : 16:45-18:15

Chairpersons:

- *Prof. Abdul Latif El-Sharkawy*, Secretary General, Supreme Council of Research Centers and Institutes, Ministry of Scientific Research, Egypt
- *Prof. Mahmoud Kandil*, Dean, Faculty of Engineering, Mansoura University, Egypt

Moderators:

Prof. Magdy Abou Rayan, Mansoura University, Egypt

Prof. Mohamed Fayek Abd-Rabou, Zagazig University, Egypt

Speakers:

- 1- *Prof. Mahmoud Kandil*, Dean, Faculty of Engineering, Mansoura University, Egypt
- 2- *Prof. Magdy Abou Rayan*, Mansoura University, Egypt
- 3- *Prof. Mohamed Fayek Abd-Rabou*, Zagazig University, Egypt
- 4- *Eng. Osman Azam*, Arab Engineering Consultants
- 5- *Dr. Nagh Gadelhak*, Suez Canal Authority, Egypt
- 6- *Dr. M. Tarek*, Alexandria University, Egypt

Objectives:

The objectives of the workshop are to investigate the necessity of

the introduction of computer based monitoring automation. The impact of this technology on the plant productivity will be evaluated. The concluding remarks of the application of these automated systems will be considered. Some persistent problem of application will be discussed.

Main subjects of discussion:

Computer based plant monitoring, Filter automation for water plants, Networks computer based monitoring systems, Instrumentation for plant automation, Economical impact.

CONFERENCE INFORMATION & VENUE

Registration, Opening, Ceremonies and Technical Sessions will all be held at:

HELNAN PALESTINE HOTEL ALEXANDRIA, THE MONTAZEH ROYAL PALACE

TEL : (203) 5413500 / 5414033 FAX : (203) 5413318 TELEX 54027

Opening Ceremonies will be held in DAHABIA BALLROOM.
Technical Sessions will be held in DAHABIA BALLROOM, The DOLPHIN, and AL-HARAMLEK.

REGISTRATION AT THE CONFERENCE DESK

All participants must register upon their arrival at the registration desk located at hotel Palestine main lobby. The registration desk will be open from Monday 27 at 5 PM until Thursday 30 at 12 AM. Every registered participant will receive the necessary documents: name tags and tickets for both meals and banquet.

PRESENTATION, COMMUNICATIONS AND DISCUSSION

There will be four parallel sessions, according to this program. Every session room is equipped with an overhead projector, slide projector and video tape recorder. If you require any specific audio-visual equipment, please contact your session chairman prior to the presentation.

The time allocated for each presentation is 20 minutes. All conducted in English Language.

YOUR STAY IN EGYPT AND ALEXANDRIA

INDIVIDUAL TRIP

ALEXANDRIA AIRPORT :

Is deserved by Lufthansa or Olympic and 2 daily domestic flights leaving Cairo Airport at 8 A.M. and 5 P.M. Egypt Air is the official carrier of the conference.

CAIRO AIRPORT :

It is deserved by major companies at Cairo Airport from Saturday April 25, 4 P.M.

CAIRO - ALEXANDRIA TRANSPORTATION :

- There is a “Superjet” bus service, ask for at the airport. The bus leaves Cairo Airport to Alexandria every hour. Price is about 8 US\$.
- Limousine service from Cairo Airport to Alexandria costs about 70 US\$.

HOTEL RESERVATION

Can be made through the local organization Committee in Cairo and Alexandria. PLEASE: ***USE THE HOTEL RESERVATION FORMS.***

Alexandria: Helnan Palestine Hotel or Mahrosa Hotel
Conference special rates: Single room US\$ 50
Double room US\$ 90

CONFERENCE AND POST CONFERENCE TOURS

The several two programs available from Cairo for IWTC96 participants and accompanying guests.

For all information contact: IWTC96, travel service, assured by San Giovanni Travel.

Tel: 02-2728724

Fax: 02-2728725

GENERAL INFORMATION

The average temperature in Alexandria is	15 °C
Ministry of Tourism	807611
Tourist Police	803929
Ambulance	807611
	123-4201373

CONSULATE	ADDRESS	TELEPHONE
AUSTRIA	8, Deppana St.	808888
BELGIUM	2, Salah Mostafa St.	410240
BELGIUM	15, Saad Zaghloul Sq.	4839333
CHILLY	32, Saad Zaghloul Sq.	808528
CHINA	6, Badawi St. (El Rassafa)	4916953
CYPRUS	296, Suze Canal St.	4825898
CZECHOSLOVAKIA	26, Dr. Morisson St. (Roushdy)	840582
DENMARK	Loumomba St.	4221844
FINLAND	2, Gamal Abdel Naser Road	4824482
FRANCE	2, Orabi Sq.	4835613
GERMANY (FRG)	5, Mena St. (Roushdy)	845475
GREAT BRITAIN	3, Mena St. (Roushdy)	487166
GREECE	63, Alex. The Great St.	4825896
HOLLAND	18, Hourria Road.	4824557
HUNGARY	2, Stamboul St.	4939693
ISRAEL	207, Abd El Salam Arif St.	5863973
ITALY	25, Saad Zaghloul Sq.	4830095
JAPAN	41, Moustata Abu Hief St.	5871859
LEBANON	64, El Hourria St.	491287
NORWAY	20, Loumomba St.	4221844
PANAMA	1, El Falaki St.	4836987
PERU	2, Gamal Abdel Nasser St.	4836187
POLAND	Fharaana St.	4827654
PORTUGAL	Behind 6 English Church Stanly	851156
RUMANIA	81, El Shahid Salah Moustafa	4827670
SPAIN	101, Gamal Abdel Nasser Road	4228364
SUDAN	26, July Road	4827246
SWEDEN	57, 26, July St.	804202
SWITZERLAND	8, Mokhtar Abdel Hamid St.	847132
TURKEY	11, Selvago St.	4226879
U.S.A.	110, El Horreya Road	4821911
U.S.S.R.	20, Kafr Abdo St., Roushdi	848828
YUGOSLAVIA	9, El Pharaana St.	806536

ABOUT THE COMPANIES PARTICIPATING IN THE CONFERENCE EXHIBITION

الشبة المصرية (ش.م.م)

العنوان : 15 أش الازهرام - روكسى - مصر الجديدة

رئيس مجلس الادارة :

المسئول : المحاسب / محمد سعيد رمضان

تليفون : 2906425 - 2909716 - 2919236

فاكس : 2919954

نشاط الشركة : إنتاج وتسويق سلفات الألومنيوم (الشبة)

- أول شركة مصرية لإنتاج الشبة السائلة في مصر تأسست عام 1989
- أسس الشركة مجموعة من أكبر المؤسسات المالية.
- الإنتاج مطابق للمواصفات القياسية المصرية والعلمية المستخدمة في تنقية مياه الشرب ويخضع الإنتاج للإشراف الدائم لوزارة الصحة.
- الإنتاج تجاوز 750 ألف طن.
- تم توريد 600 ألف طن لمرافق المياه.
- تم إضافة توسعات جديدة وذلك لمواجهة الطلب المتزايد على إنتاج الشركة لتلبية احتياجات المستقبلية للسوق.

ديجرمون

15 شارع حسن صبري - الزمالك

رئيس مجلس الإدارة :

المسئول : م/ فرنسوا كونييه - مدير فرع القاهرة

تليفون : 3406882 - 3408093

فاكس : 340876

نشاط الشركة : معالجة مياه الصرف الصحي والصناعي.

شركة النصر للمسبوكات

10 شارع الكامل محمد - الزمالك

رئيس مجلس الإدارة : دكتور مهندس أسامة عبد الوهاب

تليفون : 3403682-3403691

نشاط الشركة : انتاج الصمامات المستخدمة في شبكات المياه .

مصنع المحركات -
الهيئة العربية للتصنيع

العنوان : شارع عمر بن عبد العزيز / حلوان الحمامات - ص.ب. : 12 حلوان

رئيس مجلس الإدارة : مهندس / يسرى احمد أبو عامر

تليفون : 781088 - 781157 - 5559218

فاكس: 781236 / 20862 / 23138 : تلكس

نبذة عن نشاط الشركة :

انشىء مصنع المحركات التابع للهيئة العربية للتصنيع بهدف تصميم وتجميع وتعمير المحركات النفاثة لمواكبة كبرى الشركات العالمية في هذا المجال وأنشئت بعض خطوط الصناعات المدنية لاستغلال الطاقات الفائضة ومن بينها تصنيع قطع غيار سيارات الركوب من تروس وأعمدة إدارة ومعدات حقن الوقود ، وكذا قطع غيار المصانع والمعدات الاستثمارية ، مستلزمات الهيئة القومية للسكك الحديدية من فرامل وتجهيز عربات القطارات بالكراسي والأبواب والشبابيك ومثبتات القضبان لرفع كفاءة سرعة القطارات واحتل مجال مستلزمات البيئة الجزء الأكبر من إنتاج المصنع متمثلاً في السخانات بالطاقة الشمسية التوربينات الهوائية لغزو الصحراء ، المعقم الزراعي كبديل للمبيدات الحشرية السامة ، وحدات معالجة وتنقية المياه والصرف الصحي والصناعي وإزالة عسر المياه بمناطق مختلفة مثل مدينة برج العرب الجديدة / مارينا العلمين / الزيوت المستخلصة بالإسكندرية ، شركة سابى والمصنع فى طريقه نحو تعاقدات أكثر لتحقيق المزيد في هذا المجال.

التركيبات والخدمات
الصناعية " اريكسوم "

العنوان : 102 طريق النصر - رابعة العدوية - مدينة نصر - القاهرة

رئيس مجلس الإدارة :

المسئول : م/ ليلي عبد الدايم حسين

تليفون : 2617108

فاكس : 4030807

نشاط الشركة :

*** المنتجات :**

- وحدات تنقية المياه
- وحدات معالجة مياه الصرف الصحي والصناعي
- وحدات تحلية المياه
- وحدات معالجة الهواء بالفلاتر الالكتروستاتيكية أو بالترطيب

*** المقاولات :**

- أعمال التركيبات الميكانيكية والكهربائية للمشروعات الصناعية والخدمة
- مشروعات البنية الأساسية
- مشروعات معالجة تلوث البيئة

جارنو مصر

العنوان : 6 شارع الشهيد عبد المنعم إسماعيل - السبع عمارات - مصر الجديدة

رئيس مجلس الإدارة : مهندس / جمال الدين محمد على يوسف

المسئول : مهندس / جمال الدين محمد على يوسف

اسم الشهرة : جمال الدين يوسف

تليفون : 4179185 - 4179186

فاكس : 2918075

نشاط الشركة :

الأعمال المتكاملة (مدني - ميكانيكا - كهرباء) في مجال معالجة المياه: مياه الشرب
- مياه صرف صحي - مياه صرف صناعي

نبذة عن الشركة:

تم إنشاء الشركة عام 1980 - رأس المال الحالي مليون جنيه ، حجم العمل السنوي في حدود 8 مليون جنيهاً. وتقوم الشركة حالياً باستخدام أحدث تكنولوجيا Biotech tedr لمعالجة مياه الشرب. ونظام Bioxy System لمعالجة المياه ذات الحمل العضوي مثل مياه الصرف الصحي ومياه الصرف الصناعي المحملة بمواد عضوية قابلة للتحلل. وكذلك نظام Metoxy لمعالجة مياه الصرف الصناعي الملوث بالمعادن الثقيلة أو المواد السامة مثل صناعة الجلود والدباغة وخلافه.

ألمونيوم كميكال مصر
(ال . كى . مى)

العنوان : 17 شارع السرايا - شقة 9 - الدقى (الإدارة)

المصنع : المنطقة الصناعية الثالثة - قطعة 82- 84 مدينة السادس من أكتوبر

رئيس مجلس الإدارة : د / جيان فرانكور ونكولاتو

تليفون : 3360871 - 336 - 335861

فاكس : 3360871

نشاط الشركة : إنتاج سلفات الألومونيوم السائلة (الشبة السائلة)

نبذة عن نشاط الشركة :

- * أنشئت الشركة عام 1993 وبدأ الإنتاج عام 1994
- * الموقع الاستراتيجي للمصنع بمدينة السادس من أكتوبر يسمح بتغطية السوق في كافة أنحاء الجمهورية. ومنذ بداية الإنتاج ونحن نقوم بالتوريد لأكبر محطات المياه مثل مرفق مياه الفيوم والهيئة العامة لمرفق مياه القاهرة الكبرى والكثير من الشركات الصناعية
- * إن شركة الومنيوم كميكال مصر هي الشركة المصرية الوحيدة المنتجة لسلفات الألومونيوم السائلة طبقا للمواصفات الأوروبية واليابانية.

المهندسون الاستشاريون العرب –
عثمان أحمد عزام وشركاه

العنوان: 5 شارع (77) المعادى / 58 شارع مصر حلوان – المعادى - القاهرة

ص.ب. 230 المعادى - 11728 القاهرة

رئيس مجلس الإدارة: م/ عثمان أحمد عزام

المسئول: م/ عثمان أحمد عزام

تليفون: 3781577

فاكس: 3783845

نشاط الشركة: الهندسة والمقاولات والتدريب الهندسى العلمى فى مجال أنظمة القياس والتحكم فى العمليات الصناعية وأنظمة التحليل المعملية. بالإضافة إلى تمثيل مجموعات من الشركات العالمية المتميزة فى هذه المجالات وأهمها:

- American Manufacturers:
Foxboro, Analogic, Dieterich Standard, Thermo-Separation Products, Gow-Mac Instruments, Ionics, Barber-Colman, and Dynasonics.
- European Manufacturers:
Philips, Heanni, Jencons, and Avery Berkel.

نبذة عن الشركة:

تأسست الشركة عام 1978 حيث بدأت بفريق عمل قوامه تسعة أفراد بينهم أربعة غير متفرغين ومتوسط حجم أعمال قدره أربعمئة ألف جنيهاً (خلال الثلاث سنوات الأولى) وقد وصل فريق العمل الآن إلى سبعين من مهندسين وكيميائيين ومبرمجين ومحاسبين وفنيين وإداريين من بينهم 12 من الاستشاريين وغير المتفرغين، كما وصل متوسط حجم الأعمال السنوي - خلال الثلاث سنوات الأخيرة - إلى تسعة ملايين جنيهاً.

* ومن أهم انجازات الشركة فى مجال المياه: تصميم وتنفيذ مشروع تطوير نظم القياس والمراقبة الالكترونية بمحطات المياه والصرف الصحي لمدينة بنى سويف.

كيمكس للخدمات العلمية
والصناعية

العنوان : 6 شارع طلعت حرب - الإسكندرية

رئيس مجلس الإدارة : الكيميائي / سمير روفائيل رزق

المسئول : م/ اسامة سمير روفائيل رزق

تليفون : 4823852 - 4827802

فاكس : 4823852

نشاط الشركة : أجهزة وكماويات معالجة المياه

نبذة عن الشركة :

- 1- مجال تصنيع و توريد وتركيب و تطوير وحدات معالجة مياه الصرف الصحي والصناعي وإعادة استخدامها في الصناعة والزراعة
- 2- مجال تصنيع وتوريد وتركيب وصيانة وحدات :

- Softener
- Demineralizer
- Sand Filters
- Ultra Filters
- Cooling Towers

3- مجال العزل والتبطين والكسوة بالفيبير والبولى أستر وبألواح ال P.V.C

4- مجال إنتاج مواد النظافة الكيميائية

5- مجال إنتاج كماويات معالجة المياه والوقود ووحدات الصرف

6- مجال توريد Automatic Blow Down Valve

7- مجال إنتاج وحدات معالجة المياه بنظام المجال الكهرومغناطيسى

***ABOUT THE COMPANIES
PARTICIPATING IN THE CONFERENCE
EXHIBITION***

***ALUMINUM SULPHATE
CO. OF EGYPT***

Office Address: *15 A, El-Ahram St., Heliopolis -Cairo P.O. Box 254,
Egypt*

Plant Address :

Director : *Prof. Dr. / F. Hashem Awad*

Telephone : *02- 2909716 - 2906424 - 2919236*

FAX : *02- 2919954*

ACTIVITY : *Production, Marketing and Distribution of Sulphate*

***EL-NASR COMPANY FOR CASTINGS
& VALVES***

Address: 10 Mohammed Elkamel Street, El-Zamalek, Egypt

President of the board: Dr. Eng. Osama Abdul-Wahab

Tel: 3403691- 3403682

Company Activity: Production of valves used in water pipe lines

DEGREMONT

Office Address: *15, Hassan Sabry St. - Zamalek – Cairo, Egypt*

Plant Address :

Director : *Mr. F. Connier*

Telephone : *02- 3406882 - 3408093*

FAX : *02- 3408076*

ACTIVITY : *Waste and Water Treatment*

International Water Specialists: *Degremont has been a water specialist ever since the company was founded in 1939. Today, as part of the Lyonnaise des Eaux DUMEZ group, Degremont is active in seventy countries and has achieved outright world leadership in the water treatment market. 65 capital cities water treatment plant have been built by Degremont.*

Extensive Experience: *The Degremont group offers industries and local authorities the benefits of more than fifty years experience in the design, construction and operation of water and wastewater treatment facilities.*

Dependable Quality: *Degremont technical expertise cover aspect of treatment: drinking water production, municipal and industrial wastewater treatment, make-up water and process water for industry, conditioning and re-use of treatment residues. Degremont this is also the world leader for the ozone generators and Ultrafiltration membranes. The Degremont quality system guarantees results that meet each customers performance and delivery targets.*

Some Figures : *Degremont group, this is 1050 people based at the head office near Paris and 2300 people operating in more than 50 subsidiaries or branches all over the world.*

Degremont group Turnover was 4.6 billions France in 1994 increasing regularly since several years with a 2 figures percentage.

**ARAB ORGANIZATION FOR
INDUSTRIALIZATION (A.O.I) -
ENGINE FACTORY**

Office Address: *Omar Aben El-Aziz St., Helwan, Cairo, Egypt*

Plant Address :

Director : *Eng. Y. Ahmed Abou Ammer*

Telephone : *02- 5559218 - 871157 - 781088*

FAX : *02- 781236* *Telex: 20862/23138*

ACTIVITY :

Engine Factory of Arab Organization for Industrialization, established at Helwan Cairo, in 1960 with the objective of design, development and production of jet engines for military aircraft.

Principal Activities:

- *Production of Gas turbine components*
- *Assembly, test and overhaul of gas turbine (aero engine and industrial)*
- *Production of automotive spare parts*
- *Production of capital equipment and their spare parts*
- *Mechanical elements manufacture and sheet metal work*
- *Reverse engineering.*

***ERECTION & INDUSTRIAL
SERVICE CO.
(ERISCOM)***

Office Address: *102 El-Nasr Road, Nasr City, Cairo, Egypt*

Plant Address :

Director : *Eng. Laila Abd El-Dayem Hussein*

Telephone : *02- 2617108*

FAX : *02- 4030807*

ACTIVITY : *1- Products :*

- *Potable Water Purification Plants.*
- *Sewage Water Treatment Plants.*
- *Industrial Wastewater Treatment Plants.*
- *Desalination Plants for Sea and Brackish Water.*
- *Plant for Environmental Protection as electrostatic Filter and Wet Scrubber.*

2- Contracting :

Mechanical and Electrical Installation for

- *Industrial and domestic Projects.*
- *Infra Structure Projects.*
- *Environmental Protection Control Projects.*

***GARNO MISR
CONTRACTS & TRADE***

Office Address: *6 El-Shaheed Abd El-Moneun Esmaeil St. Heliopolis,
Cairo, Egypt*

Plant Address :

Director : *Eng. Gamal El-Din Yossef*

Telephone : *02-2916682 - 4179186 - 4179185*

FAX : *02- 2918075*

ACTIVITY : *Water Treatment Plants / Sewage Industrial Waste Water
Treatment Plants.*

***ALUMINUM CHEMICAL
MISR
(AL- CHE.MI.)***

Office Address: *17, El Saraya St. Flat N. 9 Dokky –Cairo, Egypt*

Plant Address : *6 th of October New City - Third Industrial*

Director : *Mr. Giorgio Roncolato*

Telephone : *02- 3360871*

FAX : *02- 3360871*

ACTIVITY : *The main activity of the company is the Production of Liquid Aluminium Sulphate in their factory located in 6 th of October New City - Third Industrial Zone*

The Company was established in 1993, and production started in 1994. The Strategic location of the plant located in the 6Th OF October New City allows us to cover all the Republic of Egypt.

From the start of production, we are supplying big water station like Fayoum Water Co. and Great Water Organization, and many other industrial companies.

The company is the only Egyptian company which produces Liquid Aluminum Sulfate according all the European and Japanese specifications.

**ARAB CONSULTING
ENGINEERS**

Office Address: *5 St. 77, Al-Maadi – Cairo P.O. Box 230 Al-Maadi,
Egypt*

Plant Address :

Director : *Eng. Osman A. Azzam*

Telephone : *02- 3781577*

FAX : *02- 3783845*

**CHEMIX CO. FOR
SCIENTIFIC &
INDUSTRIAL SERVICES**

Office Address: *6, Talaat Harb, Alexandria, Egypt*

Plant Address :

Director : *Mr. Samir Raphail*

Telephone : *03- 4823852*

FAX : *03- 4823852*

ACTIVITY : *Water Treatment Equipment's & Materials*

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