



COMPANY PROFILE

Consulting Office for Mechanical Engineering

CERTIFIED CONSULTANCY • ESTABLISHED 1991 • ALEXANDRIA, EGYPT

COMPANY PROFILE

Who We Are



The **Consulting Office for Mechanical Engineering (COME)** is a private organization offering a wide range of consulting work, established in **July 1991**. Its founding members carry more than **40 years** of practical experience in the design and supervision of mechanical works — pipelines, pumping stations, industrial drainage, humidifying stations, HVAC, hydraulic, pneumatic & control circuits, and complete mechanical works for major factories of international companies.

Our team spans deep experience in Petroleum, Petrochemical (especially Fertilizers) and diverse industrial fields, supported by a motivated group of engineers preparing basic & detailed design packages, technical studies, and project execution follow-up. We adhere strictly to the **Egyptian Building & Fire Codes** in alignment with international standards.

35+

YEARS IN THE MARKET

40+

FOUNDERS EXPERTISE

24+

MAJOR CLIENTS SERVED

Fields of Activity

- Feasibility Studies
- Tender Analysis
- Supervision of Installations
- Technical Reports
- Mechanical Maintenance Programming
- Engineering designs, specs & complete tender packages
- Project Management
- Inspection & Testing of Equipment
- Debottlenecking & Troubleshooting

LEADERSHIP

Founding Members

Prof. Dr. Medhat Abbas Shawky

Chairman

- Professor of Fluid Mechanics & Hydraulic Machines, Faculty of Engineering, Alexandria University.
- Former Dean, Faculty of Engineering, Pharos University, Alexandria.
- Ph.D. 1976, M.Sc. 1973, B.Sc. 1967 — Alexandria University.
- Over 40 years of design & supervision experience across mechanical, hydraulic & industrial systems.

Eng. Alaedin Abbas

Managing Director — Fully Authorized Partner

- Ex-Chairman Assistant for Engineering, Maintenance & Projects Affairs, Abu Qir Fertilizers Co.
- Ex-Board Member, Helwan Fertilizers Co.
- Erection & maintenance leadership across Abu Qir I / II / III NH3 & Urea plants.
- External Lecturer — Alexandria University & Arab Academy for Science, Technology & Maritime Transport.
- Ph.D. 1981, M.Sc. 1977, B.Sc. 1971 — Alexandria University. Management Diploma (AUC 1984), TQM (AMA, USA 1995).

WHAT WE DO

Core Engineering Services



HVAC & Industrial Ventilation

- Central systems (Chillers, VRF, DX) for buildings, hospitals & industrial complexes
- Ventilation, humidity & smoke control; stairwell pressurization
- Testing, Adjusting & Balancing (TAB) for peak efficiency



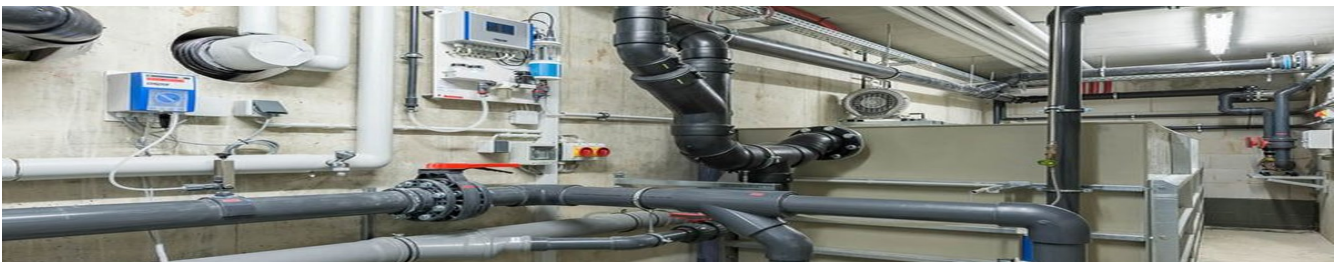
Firefighting & Life Safety

- Code-compliant suppression per Egyptian Fire Code & NFPA
- Clean-agent systems (FM200, Novec, CO2) for critical assets
- Hazardous-storage safety grids for oil & petrochemical sites



Pumping Stations & Hydraulics

- Design for water, sewage & irrigation stations
- Industrial drainage & surface-runoff management
- Water Hammer (Surge) analysis & pump testing



Engineering Studies & Consultation

- Technical & commercial feasibility studies
- Shop drawings, specs, BOQ & Technical Bid Evaluation
- Troubleshooting & production debottlenecking

TRUSTED BY

Clients & Institutions

- | | | |
|--------------------|---------|------------------|
| ■ ExxonMobil Egypt | ■ Total | ■ Unilever Egypt |
| ■ Birla Carbon | ■ KIMA | ■ Misr Petroleum |

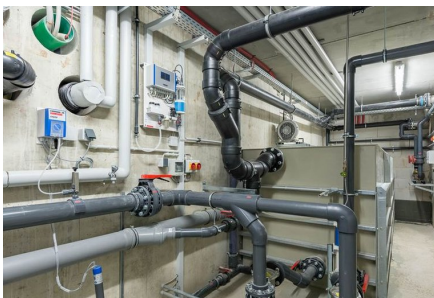
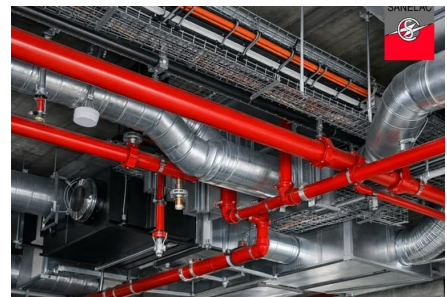
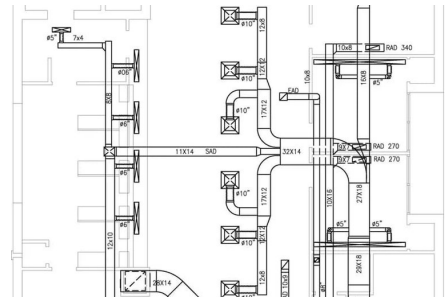
■ Solvay Alexandria	■ GSP	■ Savencia Egypt
■ Air Liquide Egypt	■ Bel Egypt	■ Enppi
■ Shell Egypt	■ Wepco Petroleum	■ Alexandria Carbon Black
■ Ascom	■ Arab Contractors	■ Moharram Press
■ Alex. Spinning & Weaving	■ El-Ahlia Spinning	■ Mosahmet El-Behera
■ El-Abd Agricultural	■ Coldair	■ ABB SUSA

Institutions

Association of Professional Engineers – Alexandria • Alexandria University Hospitals • German Hospital, Alexandria • National Scientific Research Center, Cairo

FROM THE FIELD

Project Gallery



TRACK RECORD

Selected Reference Projects

HVAC & Ventilation

- Central A/C — Lipton & Danone factories, Unilever Egypt
- Central A/C — Alexandria University Students Hospital
- Central A/C — Sohag National Museum
- Ventilation & humidifying — Alexandria Spinning & Weaving
- TAB — Suez City Sewage Improvement (ABB SUSA / Dillingham JV)

Firefighting

- ExxonMobil Egypt — Mex, Port Said & Mostorod terminals
- Firefighting & potable water — Solvay, Mex
- Firefighting — Air Liquide, Mex
- Egyptian Plastics & Electrical Industries

Pumping, Drainage & Irrigation

- Surface drainage & pumping — El-Maadeya Gas Field, Wepco
- Industrial drainage — ExxonMobil, Mex Terminal
- Computerized irrigation — El-Mehallawy Farm, Sharkia
- Emergency pumping station — Marina Village, Arab Contractors

Feasibility, Packages & Equipment

- Grease Plants (full package) — TOTAL & ExxonMobil
- Feasibility & erection supervision — Bel-Egypt
- Design & tender docs — Glass Rock Plant, Ascom
- Bid evaluation & design approval — KIMA NH3/Urea plant (with Enppi)
- O2 liquefaction plant supervision — Air Liquide, Sadat City
- SBCL piping upgrade — Solvay Alexandria
- Steam/condensate network upgrade — ExxonMobil

MULTIDISCIPLINARY ALLIANCE

Cooperating Consulting Offices

Through trusted alliances with tier-one design houses, COME delivers a full engineering envelope — Civil, Structural, Architectural & Electrical:

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| ■ Prof. Dr. Fathy Abdrabo — Civil | ■ Aboelfadl–Elhadary–Elkholy Office |
| ■ Prof. Dr. N. A. Yonan & Associates | ■ Prof. Dr. E. A. El-Darwish |
| ■ Dr. M. B. El-Monoufy | ■ Fekra — Eng. Hamdy Fayed |
| ■ Prof. Dr. Ossama El-Shafei — Structures | ■ Prof. Dr. Ahmed Diab — Civil |
| ■ Prof. Dr. M. El-Attar — Electrical | ■ Eng. Hany Alloba — Architectural |
| ■ Eng. Ebrahim Eriby — Architectural | ■ Eng. Mahmoud Abdel Hady — Alexandria Maritime |



CONTACT

Let us Build Something That Lasts

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