



Consulting Office for Mechanical Engineering

COMPANY PORTFOLIO

Certified Mechanical Engineering Consultancy — Since 1991

Alexandria, Egypt

ABOUT US

Our Core Engineering Services & Certified Solutions

With an established presence in the engineering market since **July 1991**, and led by a distinguished team of senior consultants and professors of mechanical engineering with over **40 years of hands-on experience**, the Consulting Office for Mechanical Engineering (COME) delivers an integrated suite of certified services.

We strictly adhere to the **Egyptian Building and Fire Codes** in perfect alignment with international standards to guarantee absolute operational efficiency, safety compliance, and seamless regulatory approvals.

HVAC & Industrial Ventilation Systems

- **Advanced Central Systems:** Advanced thermal load analysis and comprehensive engineering design for all types of central cooling/heating infrastructure (Chillers, VRF, DX Systems) across administrative buildings, hospitals, museums, and mega industrial complexes — e.g., HVAC designs for Unilever's Lipton & Danone factories, and Alexandria University Students Hospital.
- **Industrial Ventilation & Smoke Control:** Customized industrial ventilation layouts, humidity control stations for textile mills, smoke management networks, and mechanical stairwell pressurization systems per Civil Defense parameters.
- **Testing, Adjusting & Balancing (TAB):** Thorough technical inspections, hydraulic line tests, air distribution balancing, and comprehensive operational optimization for high energy efficiency.

Certified Firefighting & Life Safety Systems

- **Code-Compliant Fire Suppression:** Complete detail design packages, engineering drawings, and precise hydraulic calculations for water-based suppression grids (Automatic Sprinklers, Fire Hose Cabinets, external Hydrants) fully compliant with Egyptian Fire Codes and NFPA guidelines for prompt Civil Defense approvals.
- **Special Asset Protection:** Tailored clean agent gas suppression infrastructure (FM200, Novec, CO2) protecting electrical switchgear rooms, mission-critical Data Centers, and control nodes.
- **High-Risk Sector Mastery:** Extensive expertise upgrading hazardous storage safety grids for major multinational petrochemical and oil corporations — e.g., certified designs for ExxonMobil terminals in Mex, Port Said, and Mostorod, plus Solvay and Air Liquide plants.

Pumping Stations & Infrastructure Hydraulics

- **Pumping Plant Design:** Comprehensive mechanical and hydraulic design for water treatment plants, domestic drinking water supply stations, agricultural irrigation loops, and municipal sewage / industrial effluent lifting stations.
- **Industrial Drainage & Runoff:** Advanced industrial drainage and surface runoff management for isolated gas fields and harsh coastal sites — e.g., Wepco's El-Maadeya Gas Field and ExxonMobil's Mex terminal.
- **Surge Analysis & Equipment Testing:** Inspection and testing of horizontal/vertical multi-stage high-capacity pumps, backed by specialized transient fluid analysis shielding main pipelines from Water Hammer catastrophes.

Advanced Engineering Studies & Consultation

- **Comprehensive Feasibility Studies:** Complete technical and commercial viability studies for specialized manufacturing lines, blending facilities, and chemical production infrastructure — e.g., grease plant studies for

TOTAL and ExxonMobil, and factory expansions for Bel-Egypt.

- **Detailed Design & Tender Packages:** Rigorous Shop Drawings, detailed technical specifications, precise Bill of Quantities (BOQ), and objective Technical Bid Evaluations (TBE).
- **Troubleshooting & Debottlenecking:** Root-cause engineering analysis resolving chronic operational failures, machine automation adjustments, and production line debottlenecking.

WHY COME

Why Choose COME for Your Next Project?

01 35+ Years of Corporate Heritage Serving the Egyptian and regional market with excellence since 1991, managing complex engineering portfolios for elite international and local brands in petroleum, FMCG, and healthcare.	02 Academic & Practical Leadership Headed by reputable professors of mechanical engineering from Alexandria University who blend rigorous academic depth with decades of direct field experience directing multi-million-dollar mega-projects.
03 Accelerated Regulatory Clearances Thorough knowledge of the intricate clauses of the Egyptian Fire Code ensures your designs pass official government and Civil Defense audits seamlessly.	04 Full-Package Multidisciplinary Alliance A network of trusted strategic alliances with tier-one design houses provides an all-inclusive engineering envelope: Civil, Structural, Architectural, and Electrical.

OUR CLIENTS

Trusted by Elite Local & Global Corporations

ExxonMobil	Total	Unilever
Birla Carbon	KIMA	Misr Petroleum
Solvay Alexandria	Gulf for Services & Projects (GSP)	Savencia Egypt SAE

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