

DR WAFIK A. KAMAL

ASSOCIATE CONSULTANT



Expertise

Wafik has a long career in academia and industrial consulting that extends over 40 years. Despite being basically an Energy and Fluids expert, his consulting covers a much wider spectrum of Engineering and business areas. Over the years he offered his consulting services in the form of technical, sectoral and feasibility studies to governments, public and private companies in the Middle East and the UK. His work in the Arabian Gulf culminated in being selected as Team Leader for the Pre-feasibility study of the Gas Network connecting the GCC countries, a \$1.5 billion project. In addition to Technical and Management consulting to Engineering Industries, he worked in a Projects department and developed a good number of Manufacturing Investment Opportunities. He has a long experience in Engineering Education gained in four institutions. His knowledge and experience of the Middle East and the Arabian Gulf area is an added asset. He is a fluent Arabic speaker.

His main areas of expertise include Energy Planning, Management and Conservation, Renewable Energy Harnessing (Wind and Solar), High Speed flows, Duct Design, Natural Gas Engineering and Economics, Industrial Planning, Engineering Industries Supporting the Petrochemicals & Power Gen Industries and Engineering Education. Wafik has published over 55 technical papers & journal articles and has been a speaker in over 40 regional and international conferences and symposia.

Clients

The Ministry of Defence (UK) : Design of wide angle diffusers for hydraulic and gas turbine

ENPRO ENGINEERING PROJECTS GmbH : Suitability of self-priming centrifugal pump sets for irrigation using Nile Water

The Council for New and Renewable Energy (Egypt) : Potential for Wind Energy Harnessing

Qatar University : Solution of the problems of Air Conditioning and Ventilation in New Campus Buildings

Industrial Development Technical Centre (Qatar) : Evaluation of the Design and Solution of the Operational Problems of the Solar Pond at Umm-Said

Engineering Science Data Unit (ESDU International) (UK) : Data Item on Compressible Diffuser Flow

QIMCO (Qatar Industrial Manufacturing Company) :

Feasibility Study on supplying the Doha Industrial Area with Natural Gas from the North Field

Ministry of Finance and Industry (UAE) : A Study on the Use of Natural Gas to reduce the cost of Electricity Generation in the UAE

Ministry of Energy and Industry (Qatar) : Study on the Economics of using Natural Gas as an alternative Fuel for Vehicles

The General Secretariat of the Cooperation Council of the Arab States of the Gulf (GCC) : Pre-Feasibility Study of a Gas Network Connecting The GCC States

Ministry of Industry (Kuwait) : Assessment of the Performance of the Metal Fabrication, Machinery and Equipment Industries in the Manufacturing Sector

Gulf Organization for Industrial Consulting(Qatar) :

Study of the GCC States Automotive Ancillary Industries.
Gulf Organization for Industrial Consulting (Qatar): Study of the Engineering Industries Supporting the Refining, Petrochemicals and Fertilizers Industries in the GCC

Whirlwind Technology (UK) : Developing a Pipe and Tank Cleaning systems using High speed air flows

LOGICA(UK) : Delivering 'Maximising your potential' course to young Engineers and graduates

BAE Systems (UK) : Delivering Lifecycle Management training to Engineers and Technologists

History

Wafik studied Mechanical Engineering at Alexandria University graduating with a first class honours BSc in 1970, then obtained an MSc in 1972. His Ph.D. work at the University of Salford was sponsored by The British Ministry of Defence getting his degree in 1976. He taught at Alexandria University before he was asked to set up a Mechanical Engineering Department at the University of Qatar (1983). He was A Professor and Chairman of the Department for 10 years (1987-1997), before moving to Industry. He was also a Visiting Research Professor at the Dept. of Aeronautical and Mechanical Engineering, University of Salford between July 1989 & September 1996 conducting sponsored research. He joined the Gulf Organization for Industrial Consulting as the Senior Expert for Energy, Environment and Engineering Industries. He returned to academia in 2004 teaching (part-time) at the Open University. Throughout his academic career he conducted research for, gave consultancy to and delivered training courses for industrial companies.