

CURRICULUM VITAE

ROBERT J LAWRENCE

Nationality	British
Year of Birth	1948
Profession	Civil Engineer
Specialisation	Offshore and Onshore Pipelines, Water Supply, Sewerage and Urban Drainage Business Development, Team Management.
Current Position	CEO ProjAC FZC

CONTACT

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KEY QUALIFICATIONS

Specialisation in urban water supply, sewerage and storm water drainage particularly using non metallic systems. Project planning for Oil and Gas on-shore and offshore installations. Advisory development specialist for plastic systems in hot climates.. Experienced in large diameter flexible piping systems for industrial applications in Middle East conditions. Working with international consultants responsibilities have included management of design and study work, control of technical supervision teams, project management, client liaison and marketing. Overall responsibility for the commercial success of consulting offices in Muscat, East Africa, Pakistan and the UAE. With 30 years of experience in Pakistan, Kenya, Somalia, the Middle East, Indonesia and the United Kingdom. Following retirement as managing director of the Gulf Plastics Pipe Academy established the specialist infrastructure company ProjAC FZC.

ACHIEVEMENTS

Successful launch and development of the Gulf Plastics Pipe Academy. As a consultant, successfully set up offices in East Africa, Pakistan and the Middle East then moving the business from start-up to established status. In manufacturing, guiding two separate PE pipe companies from initial investment to robust turnover in very short periods.

Pioneering the use of large diameter on shore and offshore industrial pipe applications.

Completion of twenty one contract packages for the World Bank funded Karachi Water Supply Extensions within the projected program.

Establishment of ProjAC FZC in 2018 to support the design and implementation of urban infrastructure and onshore and marine specialist industrial pipeline applications

EDUCATION AND PROFESSIONAL STATUS

BEng, Civil Engineering, University of Sheffield, 1974

MSc and DIC, Public Health Engineering, Imperial College, University of London, 1983

Member of the Institution of Civil Engineers

Member of the Chartered Institution of Water and Environmental Management

Ex-Chairman - Professional Chartered Engineers UAE

EXPERIENCE RECORD

2017 to date ProjAC

CEO

A company established to serve the pipe sector with specialist advice on the use of non metallic solutions.

The company is supported by established consultants based in Dubai, Abu Dhabi and Europe and south Asia.

Currently acting as infrastructure advisor on two high end residential developments in Meydan area of Dubai. Also advising on recovery of pipeline integrity on multiple offshore large diameter process pipes.

Holding associate relationship with LCE international architectural and engineering consultants.

2007 to 2017 GULF PLASTICS PIPE ACADEMY – BOUROUGE Pte

Managing Director and Technical Advisor to the GPPA

Responsible for the launch and subsequent build up of the GPPA, a not for profit organization representing the full value chain in the MENA plastics pipe sector. This included building market acceptance, membership lists and motivating the leading players.

Advising members on the adoption of plastic solutions in extreme climates and unusual applications

Leading educational courses in the design and installation of Plastic solutions. Organization of international and regional conferences relevant to the PE and PP pipe sector.

2002 – 2007 UNION PIPES INDUSTRY

Technical Manager

Primary responsibility for ensuring that UPI gives the best service to its end users, particularly Abu Dhabi Municipality and Abu Dhabi and Al Ain Distribution Companies as a competent and trustworthy specialist in pipeline engineering. Maintaining close liaison with government representatives and their advisors to ensure that UPI products are appropriately specified and correctly installed. Preparation of method statements and specifications for the use of consultants and contractors. Presentation of UPI capabilities and PE potential at seminars and other professional gatherings. Instruction of specifiers and end users in the use of PE throughout the GCC and elsewhere using structured workshops. Acting as a technical reference point for UPI staff, end users and specifiers to ensure all accreditation, testing and calibration are relevant and up to date.

Preparation of proposals for the use of PE and PP large diameter projects in major manufacturing projects for on shore and off shore applications.

1997 – 2002 AMIANTIT OMAN

Divisional Manager (High Density Polyethylene)

Oversaw the establishment of the new High Density Polyethylene facility, by far the largest in the Middle East at the time. Held particular responsibility for introducing large diameter gravity systems in PE. Acted as a link between the product manufacturing team and small and large clients, such as the Ministry of Water and Muscat Municipality. Major projects included Salalah city wastewater and the Salalah Container Port drainage systems. Additionally supported small private water supply concession holders in the rural areas of Oman with technical advice on design and field support. Established formal acceptance of PE throughout much of the GCC region through close liaison with government and private sector agencies from Kuwait to Yemen.

Under Mr Lawrence the Amiantit Oman team, in cooperation with Shell, developed PE as a liner for oil flowlines. This has now become one of the most common techniques for the protection of in situ carbon steel pipes. On two occasions Amiantit recorded world firsts for the size of their lining projects.

1985 - 1997 MOTT MACDONALD GROUP

1996 – 1997 Manager Mott Macdonald Yorkshire Water Liaison Office

Responsible for the management and the commercial success of the office and the relationship of Mott MacDonald with Yorkshire Water. The administration of a complex framework design contract involving multi disciplinary teams producing reports and implementation contracts in a partnership with client, contractor and designer.

1995 – 1996 Project Engineer Djakarta Bulk Water Supply

**1992 - 1995 Resident Representative
Sultanate of Oman**

Responsible for the management and business development of the Muscat office and the running of various design, supervision and study teams carrying out work throughout Oman. The office undertook the full spectrum of civil engineering activities with special emphasis on water supply and water resources and infrastructure development. At its busiest the office comprised over 50 engineers plus administrative support staff. Projects included:

**Ibri Military Camp
Muscat Sewerage Privatization.
Nine Towns Master Plan
Buraimi Aflaj Pipeline
Rural Desalination
Nejd Soil and Groundwater Study
Mahout and Sirab Fisheries Harbors
Amiantit Market Study
Wadi Al Aridh and Yanqul Hydrotechnical Studies.
Massarat Business Plan and Prefeasibility**

Throughout this period the Muscat office provided technical and commercial support to the developing Abu Dhabi office.

**1988 - 1992 Project Manager, Pakistan
Greater Karachi Water Supply and Sanitation Project
Water Supply Component**

Managed the team preparing detailed designs and civil and plant tender documents on a project of US\$240M; funded through the World Bank, ODA and the Asian Development Bank. Additional funds to cover increased project costs from US\$ 240 million to US\$ 360 million. Successful completion of twenty-one contract packages for major pipelines and treatment facilities.

Advised on Lahore storm water improvements and augmentation of Islamabad bulk water supply.

**1987 Senior Design Engineer, Pakistan
Karachi Stormwater Drainage Study**

World Bank funded project for the Karachi Development Authority, to relieve the serious intermittent flooding within the city. Responsible for supervising design and study work largely carried by a team of local engineers.

1985 - 1988 Chief Design Engineer, Sultanate of Oman

Responsible for the design and technical supervision of the Group's extensive water supply and wastewater work in the Sultanate of Oman.

Capital Area Water Supply – Source development and provision of 300 Km of piping infrastructure

Capital Area Unaccounted Water Study

Rusail Industrial Estate Sewage Treatment Plant, Tertiary Treatment

Medinat Qaboos Sewage Treatment Plant

Bustan Palace Hotel - Performance assessment for loss adjustors.

Interior Towns Water Supplies - water supply to some 20 towns and villages throughout Oman.

Abu Dhabi Water Supply - technical support on the extension and rehabilitation of the Abu Dhabi water supply.

1985 **Senior Engineer, UK**
Public Health Department

Laboos Plateau Yemen Water Supply

Milton, Cambridge Sewerage.

Resort Village sanitation Scotland

1983 - 1985 **WATER RESEARCH CENTRE - PROCESSES DIVISION**

1983 - 1985 **Process Engineer Water Group**
Study of Potable Water Pressure Filtration Related to EC Directive

1983 **Feasibility Study of Electrochlorination, UK**

.1982 - 1983 **IMPERIAL COLLEGE, UNIVERSITY OF LONDON**
MSc - Public Health Engineering

The course consisted of two terms of advanced study followed by personal project work. Amongst the subjects covered were water supply and treatment in hot climates, sewage treatment and sewerage systems, hydrogeology, urban hydrology, solid waste, air pollution, water-borne diseases and water quality legislation.

Special emphasis was given to the problems of developing countries in the context of the UN Drinking Water and Sanitation Decade.

1981 - 1982 **HAISTE INTERNATIONAL LTD**
Contract Adviser – Baghdad Sewerage Board
Baghdad Sewerage Extension – Advisor on US\$120M turnkey contract

This extensive scheme included uPVC and GRP pipelines, 25,000 manholes and over 60,000 gully collection points. The scheme was completed within a very tight two-year program.

1978 - 1980 **EAST AFRICAN ENGINEERING CONSULTANTS**

1979 - 1980 **Resident Engineer, Eastern Province, Kenya**
Embu Rural Water Supply Project

(Also assisted with self-help water supply initiatives in villages adjacent to the project.)

1978 - 1979 **Water Engineer**
Nyahururu Water Supply Project

1978 **Engineer - building and structures department**

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1972 - 1978 **WATSON HAWKSLEY**

1976 - 1978 **Deputy Resident Engineer, UAE,**
Dubai Sewage Disposal Works

1974 - 1976 **Assistant Resident Engineer, UAE**
Dubai Main Drainage

1974 **Engineer, Bahrain**
WHO Master Plan Sewerage and Sewage Treatment

The first Master Plan report was the basis for all future development of the Manama wastewater disposal system.

1972 - 1973 **Design Engineer, UK**

Miscellaneous projects including storm water drainage design and buffer water meadow design. Planning report prepared for the Singapore Government on sulphide corrosion of a 2 m diameter outfall and methods of repair.

1971 - 1972 **SIR WILLIAM HALCROW & PARTNERS**

Assistant Engineer - Spoil Heap Investigations
National Coal Board - UK

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1969 - 1971 **CATHOLIC INSTITUTE FOR INTERNATIONAL RELATIONS**
Volunteer Teacher, Democratic Republic of Somalia

1966 - 1969 **Undergraduate Training - UK**

Industrial experience with precast concrete manufacturer and traffic survey and vehicle mileage assessment with Coventry City Traffic Unit.

PUBLICATIONS (selected)

'Managing Leakage and Wastage in the Middle East - Case Studies from Abu Dhabi, Dubai and Karachi', V Shyam Babu, Nasser Al Nassay and R J Lawrence, Conference on Water Supply Management in the Middle East, Dubai, October 1995.

'Small Desalination Plants in Rural Communities in Oman', Tahir Al Sajwani and R J Lawrence, Conference on Water Resources Management in Arid Countries, Muscat, March 1995.

'An Exploratory Investigation into the Use of Deep Bed Coarse Media Filtration in the UK, R J Lawrence, Report, 1985.

'The Use and limitations of High Density Polyethylene – Experiences in Oman'

Robert J Lawrence

Conference Oil and Gas Middle East May 2001

'End User Resistance to Polyethylene'

Robert J Lawrence

DubaiPlastPro Conference April 2002

The Use of Polyethylene Pipes in Hot Climates

Robert J Lawrence

DubaiPlastPro Conference September 2003

Progress on Engineering PE Pipelines

Robert J Lawrence

DubaiPlastPro Conference April 2005

The Developing Market for Plastics Pipes in the Middle East and the Need for the GPPA

Robert Lawrence

Plastics Pipes XIV Budapest Hungary September 2008

The use of plastic pipes in landfill

Robert Lawrence

Geosynthetics Middle East 2010

LANGUAGE CAPABILITY

English: Mother tongue

Arabic: Reading - poor; writing - poor; spoken - fair

French: Reading - fair; writing - poor; spoken – poor