

David T. Tomi
Director

Tel: +44 (0) 20 7242 8444
E-mail: cwa@cwa.uk.com
Website: <http://www.cwa.uk.com/>



Qualifications BE (1st Class Honours) in Chemical Engineering
PhD in Chemical Engineering
Chartered Engineer (since 1978)

Affiliations Fellow of the Institution of Chemical Engineers
Member of the Institute of Marine Engineers
Member of the Oil and Petrochemical Risk Association

Date of Birth 28 December, 1948

Nationality Australian (British Permanent Resident)

Current Position at CWA

Managing Director

Specific Expertise and Experience at CWA

Dr David Tomi has worked as a consulting engineer in Britain since 1974. He is the founder and Managing Director of CWA Consultants Ltd (formed 1980) which he has developed into a leading source of technical expertise to the niche international marine and energy insurance markets, the principal stakeholders (ship/cargo/terminal owners, port authorities) and their legal counterparts. David's areas of expertise include loss prevention, incident investigation, damage survey and assessment, claims evaluation and allied safety and risk issues. The practice has completed well over 5000 consultancy assignments world-wide of which David has personally undertaken numerous case studies, investigations and projects concerning industrial and port installations, marine terminals, product storage and tanker operations, incident response, loss prevention, loss mitigation, damaged/off-specification cargo reprocessing, business interruption claims evaluation and expert advice in litigation. He has been responsible for the development of specialist integrated units within the firm covering Oil and Chemicals, Dangerous Goods, Food, Minerals, Ports and Shipping. David has extensive experience in leading inter-disciplinary teams of specialists covering a wide range of fields: oil, gas, chemicals, petrochemicals, foodstuffs, minerals and metals and, equally, a wide range of issues involved.

Over the past 10 years David has directed the firm's activities through CWA Engineering Safety and Research Ltd in applied risk and environmental consultancy and project management services to a wider sector of industry and commerce. As a result, he has been responsible for extending its capability for high calibre quantitative analysis, IT and data management services. These services have been successfully deployed in support of major litigation.

In July 2000 CWA Consultants Ltd (formed 1980) and CWA Engineering Safety and Research Ltd (formed 1992) combined to form CWA International Ltd.

David's specific areas of experience include:

- Risk and safety audits of refineries and allied gas and chemical process plant, crude, product and bulk chemical tank farms and marine terminals for handling tankers and gas carriers.
- Investigation of major loss incidents including economic loss and/or physical loss and damage by various perils, both natural and man-made, including tempest, fire and explosion and consequential business interruption; involving on-shore installations, off-shore facilities and marine casualties.
- Detailed investigation and advice on loss and contamination incidents, and consequential claims in the processing, handling, storage, transportation and distribution of crude oil, petroleum products, petrochemicals and chemicals.
- Safety in design and project management services for petroleum/LPG storage facilities - from conceptual and engineering design to detailed equipment specification, tendering, procurement, construction and commissioning; this project commenced in the mid '80's and extended for 10 years during a period of de-bottlenecking of existing facilities, modernisation and expansion.
- Development of specialised risk assessment software for non-marine insurers of major hazardous plant; Estimated Maximum Loss (EML) for vapour cloud explosion, pool fire, internal explosion; fire spread modelling in tank farms (TANKSAFE), supervision of the development of a sophisticated loss rating package for underwriters of hazardous plant.
- Development of applied techniques for quantitative risk assessment and risk management concerning damage (business interruption) liabilities to major capital works (eg port complexes, major UK lock systems).
- Reclamation, reprocessing and salvage disposal of contaminated bulk commodities, particularly petroleum products and bulk chemicals.
- Leadership/participation in a multi-disciplinary team involved in a detailed investigation concerning emission incidents/environmental damage claims arising from power generating plant.

- Expert witness at arbitrations and litigations.

Summary of Previous Employment

1978-1979 Worked as a freelance consultant and developed improved techniques for hazard and safety analysis investigations involving crude oil, gas and petrochemicals. Carried out independent technical market surveys in the Middle East, covering Iran, Kuwait and the Gulf States.

1974-1978 With Consulting Engineers and Scientists, Cremer and Warner, gained wide experience, predominantly in the field of industrial pollution control, environmental engineering, hazards and safety analysis of chemical and allied plant for impact assessment, planning, design and operability studies.

Specific areas of experience during this period include:

- Detailed hazard, operability and safety studies of existing and planned chemical plant, including natural gas treatment, petrochemical, fertilizer and allied plant, in the UK, Europe and the Middle East.
- Hazard, environmental and operability studies for large marine terminals, including Shuaiba Port, Kuwait; proposed developments at Braefoot Bay, Scotland, related to North Sea oil and gas and the large scale petrochemical development on the Wilhelmshaven Estuary, Northern Germany, major petrochemical complex, Portugal, North Sea; oil and gas plant, UK.
- Environmental impact assessment of major process industries; refineries, petrochemical, desalination, power stations, fertilizer, cement works and allied plant at Shuaiba, Kuwait, as incorporated in the major Pollution Control Project.
- Design and operation of integrated environmental monitoring, sophisticated data logging and data processing systems. Critical evaluation of international environmental legislation and management.
- Environmental engineering expertise in a variety of containment and seepage problems.
- Assessment and detailed simulation modelling of oil ballast treatment facilities, Shuaiba, Kuwait.

- Detailed feasibility studies of chlorination of potable and saline water, Shuaiba, Kuwait.
- Comprehensive river pollution studies in Iran.
- Participation in contingency planning, decontamination, restoration investigations for the Italian Government in the months immediately following the incident at Seveso in July 1976.

1970-1974

Before commencement of postgraduate study in 1970, worked for Chlorine Technology Ltd on the design of large scale pilot plants to beneficiate minerals by chlorination. Attached to the University of Sydney, carried out research on minerals wet processing (flocculation) and the dynamics of solid/liquid separation processes for a PhD in Chemical Engineering during the period of 1970-1973, the results of which were published in several papers by the Institute of Chemical Engineers.

Other Areas of Professional Activity

- Organisation, development and participation in specialised Seminars, Workshops and Training Programmes
- Implementation of in-house summer employment programmes for undergraduates and graduates
- Responsibility for the development of in-house quality control systems for work practices, reporting and cost control
- Author of numerous seminars and papers, a list of which can be obtained on request