



PERSONAL PROFILE – DR TIBY MOZES



PERSONAL INFORMATION

Full name:	Tiberiu Emeric Mozes
Date of birth:	23 October 1949
Place of birth:	Arad, Rumania
Countries of previous residence:	Rumania (1949 - 1961) Chile (1961 – 1970) Israel (1970 – 1975)
Country of permanent residence:	South Africa (1975 – 2011)
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PROFESSIONAL CAREER

- 1993 to date: Sole owner and Managing Director of TMC
- 1990 to 1993: Business Development Manager of WATERTEK, the Division of Water Technology of the CSIR at the CSIR Campus in Pretoria.
- 1988 to 1990: Manager of two research groups within PROCESTEK, the Process Technology Division of the CSIR:
- (1) the Industrial Waste Management Group at the CSIR Campus in Port Elizabeth, and,
 - (2) the Biotechnology Group (ex Jennifer Thompson Group) at the CSIR Campus in Pretoria.
- 1980 to 1987: Head of Department: Wool Scouring and Effluent Treatment.
- 1976 to 1980: Research Officer, Senior Research Officer and Chief Research Officer positions at SAWTRI.
- 1976: Opened the Effluent Treatment Department at SAWTRI.
- 1975 to 1976: Seconded by SAWTRI to the Water Pollution Group at the Department of Chemical

Engineering of the University of Natal in Durban, South Africa.

1975: Closed contract with the South African Wool and Textile Research Institute (SAWTRI) of the CSIR in Port Elizabeth and emigrated to South Africa.

FORMAL EDUCATION

1973 BSc in Chemical Engineering from the Technion - Israel Institute of Technology in Haifa, Israel

1975 MSc in Chemical Engineering from the Technion - Israel Institute of Technology in Haifa, Israel, in the field of industrial waste management - MSc Thesis: 'Increase in the recovery of wool grease and lanolin by improving the treatment of waste effluents'.

1978 Obtained status of MSc in Textiles from the Department of Textile Science at the University of Port Elizabeth, South Africa.

1980 PhD from the University of Port Elizabeth, South Africa, in the field of industrial waste management - PhD Thesis: 'A treatise on the treatment and purification of wool and mohair aqueous scouring wastes'.

PROFESSIONAL SOCIETIES

IMD graduate in strategic alliances (Lausanne, Switzerland),
Professional Engineer (ECSA),
Member of the Institute of Waste Management of Southern Africa (IWMSA),
Member of the South African Institution of Chemical Engineers (SAICHE), and,
Fellow of the Water Institute of Southern Africa (WISA).

CONFERENCES AND PUBLICATIONS

1976 to 1986: Attended a large number of conferences, seminars and symposia overseas and in South Africa and published some 50 national and international publications (some externally refereed).

LANGUAGES

English	fluent
Spanish	fluent
Hungarian	fluent
Hebrew	fluent

COMPETITIVE SPORTS

1977 to 1995: Chess – Eastern Cape colours and sat on the South African Chess Federation Council for two years.

1995 to date: Table tennis – Formerly, Gauteng North First League and Super League player, former President of the Gauteng North Table Tennis

Board (GNTTB) and Chairman
of the Gauteng Table Tennis
Board (GTTB).

CAREER HIGHLIGHTS

Dr Tiby Mozes, the sole owner and Managing Director of TMC, has had a long career in the CSIR (Council for Scientific and Industrial Research) in South Africa, spanning over more than 17 years between 1975 and 1993. During this long career, he was involved extensively with all aspects of R&D, management of R&D groups, technology management and technology sales, management and protection of intellectual property, in particular in the environmental arena, as well as strategic alliances between the CSIR and industrial partners, conducive to the installation and commissioning of industrial plants.

In the technical arena, his area of specialisation is industrial waste management and environmental and in the business arena, strategic alliances, and in particular, as related to business configurations for technology and process licensing via and in conjunction with strategic business partners. His last position with the CSIR, before founding TMC in 1993, was that of Business Development Manager of WATERTEK, the Division of Water Technology of the CSIR.

Dr Tiby Mozes founded TMC, a business and environmental consultancy company operating from the heart of South Africa, in 1993. Operating from Centurion, TMC (registered as 'TM Business Development Consulting cc') is fully owned and managed by Dr Tiby Mozes.

Being both a fully international and a national company, TMC has run over the nearly 18 years a number of business and environmental consultancy projects in South Africa (which included a variety of strategic projects), for both local and international clients.

From TMC's very inception, Dr Tiby Mozes has dedicated himself to focused business and environmental consultancy. In the area of business consultancy, for instance, he was instrumental in the completion of a one-year long evaluation of the SPII (Support Programme for Industrial Innovation) programme run by the IDC on behalf of the Department of Trade and Industry (DTI). He also provided assistance in DTI's first UNCSA (United Nations Council for Sustainable Development) report. Furthermore, he has provided

extensive ongoing business and legal advisory services to Boards, Chairmen, Managing Directors and CEO's in the petrochemical industry, mainly in the policy-, strategic-, planning- and pricing-related fields.

In the area of environmental consultancy, he has carried out numerous environmental impact assessments and environmental evaluations in the petrochemical, industrial and municipal waste management sectors, becoming in the petrochemical industry, for instance, principal consultants to the Rose Foundation for a period of four years. The environmental assessment scoring system used by TMC in the petrochemical industry was both innovative and effective, and was regarded for over four years as a standard measurement tool in the used oil reprocessing sector of that industry. The above mentioned system incorporated the findings of a variety of different studies and the use of the ISO 14001 Environmental Management System in its unique environmental scoring system.

Furthermore, over the last years, he was instrumental, as principal consultant, in the main authoring and reviewing of a Draft Scoping Report for the establishment of a hazardous waste treatment facility in South Africa, which included a preliminary environmental impact assessment study (EIA). A unique scoring system (the TMC Environmental Scoring or TES system) was developed and used for the first time by him to cater for the official environmental impact assessment system of the Department of Environmental Affairs and Tourism (DEAT).

Over the years, this unique scoring system (the TMC Environmental Scoring or TES system) has been used by him and found to be particularly useful for sensitive projects, in which there is particular resistance within the EIA process from the public in general, and the communities around a site in particular, to the possible future implementation of the project. The TES scoring system is, thus, considered to be a particularly objective and robust system for quantifying environmental impacts within the EIA process and allows for the calculation of individual environmental scores for the various relevant environmental impacts and an overall environmental score for the entire site. Thus, the TES scoring system also allows for comparative environmental scores being obtained for a number of sites being assessed environmentally at a specific point in time.

Dr Tiby Mozes has also participated over the years in the international technology and industrial plant brokering fields, being instrumental, for

instance, in the introduction of Enhanced Evaporation Spray (EES) technology into South Africa, through the commissioning and construction of an EES facility at a leading South African company.

In more recent years, he was contracted by the Institute of Waste Management of Southern Africa (IWMSA) for the writing of environmental training courses, has been involved with helping to guide government with their training courses in the environmental field, as part of advisory meetings of the South African Qualifications Authority (SAQA) and has been extensively involved with environmental due diligence studies, in particular for the capital private equity divisions of financial institutions.

Over the last 18 years, as a TMC consultant, Dr Tiby Mozes has been involved in a large number of important strategic, environmental and business consultancy projects. He has also set up strategic alliances with local and/or foreign companies and, as a result of that, he has managed multidisciplinary project teams, involving a number of professional people, such as chemical, mechanical and civil engineers, inorganic, organic and analytical chemists, biochemists, microbiologists, zoologists and biologists. Through TMC, Dr T E Mozes has, thus, specialized in running multidisciplinary projects within the South African market.