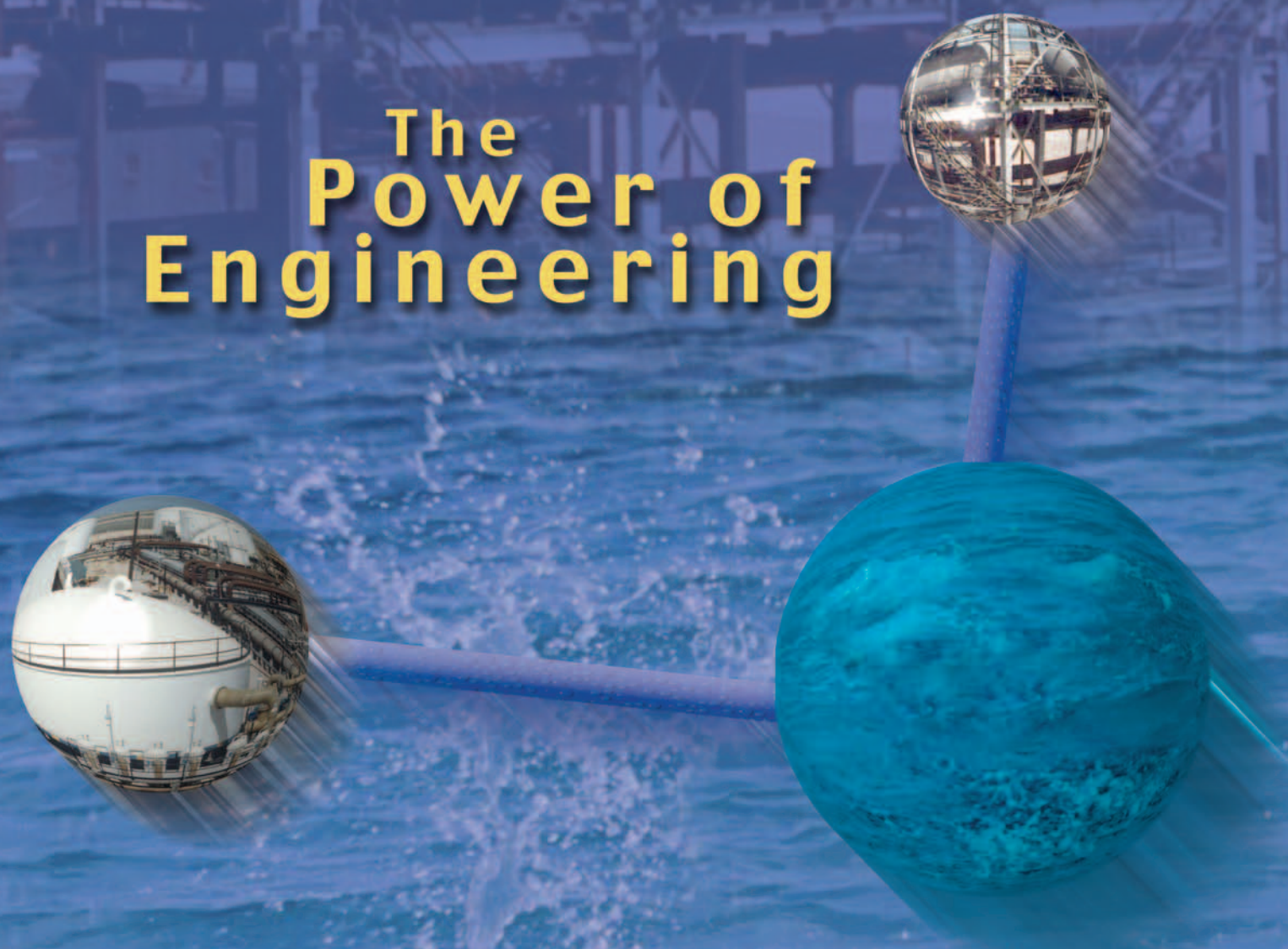


The Power of Engineering



Tech Universal

company profile



water
is

life...

As without it we can not exist nor can any other living being.

Water is continuously doing a balancing act with itself, thanks to the water cycle.

Clean water is becoming scarce where environmental pollution is increasing all over the world due to foreign matter such as micro-organisms, chemicals, industrial wastes and domestic sewage that get into the water cycle and harm plants, animals and all form of life.

This type of pollution is not always treatable by natural resources and here, **Tech Universal** play an important role in solving this problem by providing systems and technologies to have clean and pollution free environment.



THE POWER OF ENGINEERING

Writers, artists and musicians have always been inspired by water, using their work as media for communicating its more abstract value. At **TECH UNIVERSAL** we consider engineering to be creative endeavor that requires all the thrill and innovation of "ART".

TECH UNIVERSAL is a chemical process design engineering company specialised in the process engineering of water industries particularly in the field of desalination and industrial waste effluent treatment plant and environmental pollution control.

TECH UNIVERSAL has a wide experience in a large purification desalination water treatment plants. Since it was established, **TECH UNIVERSAL** has acquired a large group of satisfied customers with its products. These clients are government authorities, water boards, constructions and industrial companies.



TECH UNIVERSAL attach great importance to clients' relationship and uses its best efforts, experience and technology to find economic solutions to client's problems by supplying cost conscious solutions and work of the highest quality.

TECH UNIVERSAL have supplied many plants throughout Europe and Middle East where successful plants performance based on good engineering design and quality products were behind the normal growth of the company.



TECH UNIVERSAL is taking the art of engineering into the future and the new millennium with a sophisticated electronic communication infrastructure where all of our domestic offices are connected through the internet with our affiliate and partner companies for quick problem solving and supply of update technical information



ENVIRONMENTAL POLLUTION CONTROL ENGINEERS



TECH UNIVERSAL, process plant design and products uses updated technologies along side. TQM (Total Quality Management) to produce quality plants.

TECH UNIVERSAL innovative engineering technology always aim to:

- Improve process plant efficiency.
- Reduce plants and equipment costs.
- Reduce plants operation and maintenance cost.
- Achieve better performance.

Safety, health and environmental management systems are an integral part of Tech Universal quality system to optimise design and minimise costs.



TECH UNIVERSAL engineers have a very practical outlook that has elevated themselves to the design and production of extremely quality process plant and products.

Each process plant has its own specific requirements and each client has his own wishes met with **TECH UNIVERSAL** solutions:

TO LISTEN,

TO DISCUSS,

TO RECOMMEND

Tech Universal engineers always listens, discuss and study clients requirements and then make a recommendation to the client. This may relate to new treatment plant or to renovate and upgrade an existing treatment plant.

TO INNOVATE,

THEN DESIGN AND BUILD



TO LISTEN,
TO DISCUSS,
TO RECOMMEND



TO THINK



TO INNOVATE

WATER IS ESSENTIAL TO LIFE, WHERE POLLUTION FREE ENVIRONMENT IS MORE IMPORTANT

TECH UNIVERSAL has all the necessary technical knowhow for:

- Sewage Purification
- Water Desalination (Brackish and Seawater)
- Industrial Treatment
- Odor control Systems

TECH UNIVERSAL offer a wide range of services from small packaged treatment plant up to a complete turnkey contract including project management which involves, preliminary and final design, basic and detailed engineering for mechanical, electrical, civil and control systems, manufacturing, installation and commissioning.



TO DESIGN AND BUILD



QUALITY SOLUTION FOR THE ENVIRONMENT



TECH UNIVERSAL

OUR PRODUCTS

PRODUCTS

1.0 PROCESS PLANTS

- Package Water Treatment Plants
(Desalination using Reverse Osmosis)
(Desalination using Thermal and Vapor Compression Technologies)
- Package Sewage Treatment Plants
- Industrial Waste Treatment Plants
- Custom design built process water treatment plants
- Custom Design Built Sewage Treatment Plants
- Municipal Waste Water Pollution Control
- Odor Control/Air Pollution Systems
- Biological Aerated Filters
- Pumping Stations
- Bottling Plants



Horizontal pressure filter



Odour control system



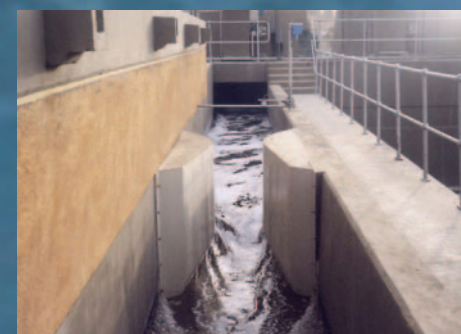
Grit removal

2.0 EQUIPMENTS

- Reverse Osmosis Units
- Water Injection Systems
- Chemical Dosing Systems
- Chlorination and Dechlorination Systems
- Ozonation
- Deionizers
- Softeners
- Sand Filters
- Carbon Filters
- Iron Removal Filters
- Ultra-violet Sterilizers
- Spare Parts
- Swimming Pool And Accessories
- Cooling Towers
- Blowers
- Boilers
- Belt Press for Sludge Treatment
- Scrapers



Custom designed RO unit



Parshall flume



Containerised RO unit

3.0 Services

- Engineering Consultancy and Advisory
- Plant design and specification using computer modeling
- Projects feasibility study and evaluation
- Marketing Consultancy and research
- Trouble-shooting
- Upgrading of existing treatment plants
- Personal Training
- Scheduled Maintenance
- Inspection
- Supply of Spare Parts and Chemicals



Cooling tower

4.0 Specialised Product Range for oily water Treatment

- Liquid/Liquid Hydrocyclones
- Solid/Liquid Hydrocyclones
- Plate Separators
- Dissolved Air Flotation
- Pressurized Induced Gas Flotation
- Hybrid Gas Flotation
- Biological Wastewater Treatment



MED desalination plant

Comprehensive range of experience & activities

Tech Universal products have good reputation for reliability & quality



1.0 WATER & SEWAGE TREATMENT PLANTS

- Cities
- Towns
- Municipalities and Similar Agencies
- Touristic Villages
- Housing Compounds
- Multi-story Buildings
- Universities
- Institutions
- Hospitals
- Hotels
- Industries



2.0 UTILITY INDUSTRY

- Power stations
- Refineries



3.0 ENVIRONMENTAL PROTECTION

- Domestic sewage water treatment plants
- Industrial Waste water treatment plants

4.0 CHEMICAL PROCESS INDUSTRIES

- Petrochemical
- Pharmaceutical
- Cosmetics
- Detergents
- Grease & lubricant
- Pulp & paper
- Cement & concrete
- Oil & gas production



5.0 Food Processing Industry

- Dairy & related product
- Soft drinks, bottling plant
- Edible oil & fats
- Sugar plants



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