



BIO•INGENIERIA
INTERNACIONAL, S.A. DE C.V.

PROTECTING THE
ENVIRONMENT >
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At BIO-INGENIERIA we are committed, since 1989, to providing the finest in professional support for our customers. This commitment is fulfilled by a staff of post- graduated and experienced professionals.

Federal, State and Local regulations regarding the tourist developments and treatment of wastes & wastewater continue to change toward hard-to-reach parameters. To ensure that your project meets the quality and technical standards that are required in a cost-effective way, your best choice is to work with BIO-INGENIERIA, a local single contracting source for Environmental Projects.

OUR GOAL

To contribute for enviroment perservation and improvement. We wish that our customers enjoy an optimal environment.





BIO+INGENIERIA
INTERNACIONAL, S.A. DE C.V.

OUR SERVICES

- 🔧 Engineering, Sale, and Installation of Pumping Equipment, Potabilization, Desalination, Purification, and Water Recycling systems.
- 🔧 Advisory, Monitoring, and Maintenance Services for Water and Wastewater Treatment Plants and Systems.
- 🔧 Design, Detailed Engineering, Equipment, Installation and Maintenance of Wastewater treatment Systems for Residential, Commercial, Municipal, and Institutional Use.
- 🔧 Environmental Impact Statements, Technical Studies Justifying Land Use Changes, Rescue Programs for Wild Flora and Fauna, Environmental Consulting.
- 🔧 Sale of Biodegradable Products for Cleaning, Sanitization, and Water Treatment; Bacteria and Enzymes for the Biodegradation of Oils, Fats, Detergents, Paper, etc.
- 🔧 Engineering, Sale, and Installation of Autonomous and Grid-Connected Photovoltaic Equipment.
- 🔧 Noise & Odor Control systems.



WATER AND WASTEWATER TREATMENT

Design, Engineering, Supervision, Service and Maintenance of Domestic, Commercial and Institutional Systems.

- **BIO-AQUA®:** Submerged Aerated Bio-Filters System into Pre-fabricated FRP or Concrete Tanks. Controlled by Programmable Logic Control (PLC).
- **BIO-AQUA ACTIBAC®:** Selected microbial culture to increase your plant efficiency and lessen the surplus sludge. Safe for you & the environment.
- **GAC® Vent Air Filter:** Eliminate unpleasant odor from sewer, septic tanks and malfunctioning wastewater treatment plants, with this inexpensive, easy to install, activated carbon air filter.
- **BIO-AQUA SAN®:** For complete effluent and water disinfection.
- Chlorination and De-chlorination equipment.
- **MBR and MBBR** technology for wastewater treatment.
- **Point of use Reverse Osmosis Systems** for residential and comercial use.
- Desalination systems for residential and comercial use.
- **VIQUA® & OZOTECH®:** UV and Ozone disinfection Equipment.
- **PENTEK®, HIDROCLEAR® y SOFTCLEAR® :** Water Softeners, Multimedia, Granular Activated Carbon (GAC), In-Line, Self-Clean and Cartridge Filters.
- **GOULDS®, BARNES®, MYERS®, FRANKLIN® & STA-RITE®:** Centrifugal Submersible, Booster, Vertical, Grinder, Deep Well and High Pressure.
- **HYDRALOOP®:** State-of-the-art technology for the treatment and recycling of greywater (laundry, showers, washbasins, etc.) through the MBBR process.





BIO • AQUA®
bio aqua



Wastewater Treatment Systems



CURRICULUM VITAE RESUME FROM OUR DIRECTOR.

NAME: Juan Angel Trasviña Aguilar.

GRADUATE: Chemical Engineer. National University of Mexico (UNAM).

POSTGRADUATE: Master on Environmental Pollution. Polytechnic University of Madrid (UPM).

ADDITIONAL ACTIVITY:

Professor at South Baja California University (UABCS).

Water and Environmentalist activist.

EXPERIENCE:

38 years on research, planning, design, building, operation and maintenance of drinking water systems and wastewater treatment plants: Activated Sludge, SBR, Biodisks, Biofilters, Wetlands (using macrophytes like water hyacinth, reeds, ...). Aerated and Stabilization Ponds, MBR, MBBR, etc.

On Spain worked to build three big wastewater treatment plants for Madrid city. However, his main experience is on plants for small towns and cities, subdivisions, hotels, resorts, homes, gas stations, schools, etc.

Associated with other experienced and postgraduates friends, on 1989 established BIO-INGENIERÍA INTERNACIONAL and, with this company, have installed almost three hundred of water and wastewater treatment systems and directed tens of Environmental Impact Studies.

Assessment for industries and tourist developments. On international and national forums have dictated conferences and presented research works over wastewater treatment systems. At now, teach over Environmental Protection themes at state University.

MEMBERSHIP:

Federación Mexicana de Ingeniería Sanitaria y Ciencias Ambientales (FEMISCA).

At BIO-INGENIERIA we have a great accumulated experience, moreover to the previous experience of our technicians and professionals. Since the foundation of our company we have designed, constructed and installed almost three hundred of wastewater treatment plants and purification systems. Also, we have accomplished over ninety environmental impact studies and consultories for environmental protection



OUR HISTORY

Back in the 70s, a young man from South Baja California (BCS) traveled to Mexico City to study Chemical Engineering at the National University (UNAM). In those days, chemical engineers usually were specializing in petrochemicals, but he had a dream: At home, in BCS had shortages of water, so the wastewater treatment and recycling to optimize their use and avoid freshwater pollution was the ideal solution. That is why he specialized in the treatment and recycling of wastewater. After finishing his career and dictate courses of Physics and Mathematics at state University (UABCS), he spent a few years in Madrid, Spain, studying a Master degree on Environmental Pollution, besides working in wastewater treatment and desalination. Then he returned to BCS and in 1989 established a company for environmental protection: Bio-Ingenieria Internacional.

36 years later, Bio-Ingenieria Internacional is a well established and prestigious company, where our general manager is specialized on Architecture with a Master degree in Water and wastewater treatment, and we count with an Attorney at law with a Master degree in Environmental economy and Natural Resources, who actively collaborate in order to contribute to environmental protection through studies for Environmental impact and use of latest technology coupled with natural processes to treat and recycle wastewater, preventing pollution of our scarce sweet water and our beautiful beaches.

Also, we are promoting the use of natural energy from the sun and wind through photovoltaic and wind systems, because we strongly believe that natural resources must be used to lessen the pollution and climatic change caused by the use of petroleum derivatives to generate electrical energy.

In addition, we count with a staff of technicians with an extensive experience in installation, service, repair and maintenance of equipment of wastewater and water treatment for all use (desalination systems, reverse osmosis purification systems, UV lamps, ozone systems, pumps, control panels, etc.), besides natural energy systems.

"We care about our environment, because this is where we live, this is the water we drink and the air we breathe. If we neglect our environment, we will not take care of ourselves neither of the new generations." Juan Angel Trasviña Aguilar, M.Sc.

"Our mission is to contribute to environmental conservation and improvement through the use and development of green technologies at a reasonable cost and convenient, because we want our descendants to enjoy an optimal environment.

We encourage our customers to take advantage of natural resources and efficient and conscious use of the best available technology for the development of their building projects, causing the least possible impact on the environment.

Please do not hesitate to contact our company, because we will always have the best environmental solution for you. Besides, we offer you the advantage of working with professional experts, locally, to make you feel at home. "



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