



# TEBIOME

EXPERT  
ENGINEERING  
SOLUTIONS  
AND APPLICATIONS

[www.tebiome.com](http://www.tebiome.com)



## FEW WORDS ABOUT US

**TEBIOME** has been manufacturing demanding, reliable and cost-effective on site applications for the food & beverages, chemical, energy and pharmaceutical industries around the globe for over 20 years.

**TEBIOME** is internationally recognized for its capabilities in analyzing and solving complex engineering problems by combining resources and experience.

The company's capabilities range from engineering maintenance projects to sophisticated large scale turnkey projects for multinational companies around the globe.

**TEBIOME** develops, designs and constructs Water Treatment Systems, Clean-In-Place Systems, Syrup Rooms and other demanding applications aiming at quality and long-lasting resistance.

All of **TEBIOME's** products are designed by experts and constructed with the best quality non-corrosive materials available.

**TEBIOME** has expanded over the years and now has offices in the EU and Africa to cover all the demands of its customers, as well as a manufacturing plant in Athens.



## THIS IS OUR VISION

Since the early beginning of our company, one of our main goals has been to create a company that combines a staff of engineers and experienced specialists, in a workplace where demanding projects would be designed and constructed. And we succeeded!

Today, **TEBIOME** is an acknowledged engineering and technology group with a primary goal to design and create the best solution for every project with the smallest budget, in the shortest amount of time, but with the greatest efficiency and top quality results.

Our clients enjoy efficient and on-time delivery of our services as a result of close client contact in a highly responsive organization. We routinely work under demanding schedules on projects with sensitive technical, environmental and economic issues.

Our experience and our achievements and our clients' satisfaction is what motivates us and makes us expand, develop and never settle with anything less than top quality.



# WATER TREATMENT SYSTEMS

Raw water entering a plant and used water needs treatment to meet tight quality specifications to be of use in specific industrial processes. In addition, safeguarding natural resources is an important part of wastewater treatment solutions.

As your business partner, **TEBIOME** helps customers meet ever increasing environmental, regulatory, and financial pressures, by manufacturing and installing demanding industrial water treatment systems.

**TEBIOME** manufactures and installs industrial water treatment systems which address the product safety, consistency and high efficient process that the industry expects and offers a wide range of pre-engineered as well as custom engineered solutions for all water purification needs.

**TEBIOME** is able to deliver expert solutions concerning water treatment and pre treatment systems, as well as filtration equipment, such as:

Reverse Osmosis,  
Sand and Carbon Filters,  
Water Softeners,  
Ultra Violet Sterilizers (UV),  
Chemical Dosing Systems,  
Ozonation Systems,  
Chlorination Systems,

**TEBIOME** can also provide all the spare parts for the smooth operation of the system and most of the water treatment components such as membranes, pressure vessels, valves, chemical pumps, etc. All **TEBIOME's** systems are delivered with full documentation, drawings, instructions and personnel training.

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Water is the “core”  
of most industrial  
plants.







# CLEAN IN PLACE SYSTEMS

The sanitary aspects of producing food and beverage products are of extreme importance.



Industrial plants must meet high hygienic standards to avoid a product's degradation and contamination during operation, and plant cleaning must be carried out quickly and thoroughly. **The cleaning requirements are best met with Cleaning-in-Place (CIP) systems.** CIP systems are a key part of the industrial production and a good quality CIP system can save you time and money. CIP systems offer fast, efficient and reliable cleaning of all types of process plant by cleaning completely items of plant equipment or pipelines circuits without dismantling the equipment.

**TEBIOME** installs CIP systems in the food, dairy, beverage pharmaceutical and chemical industry and has the experience and the know-how to successfully design, implement and install all types of automatic and manual CIP systems.

**TEBIOME's** CIP systems provide maximum efficiency through their design and their intelligent programming of CIP cycles. All CIP units are custom made according to the client's specifications and needs and designed to meet the maximum performance with the minimum cost and energy consumption.







## SYRUP AND DAIRY ROOMS

Whether you need to store, cool, heat, blend, mix, or process, our outstanding craftsmanship will ensure the quality of your product.

The **Syrup Room** equipment is designed to blend and mix liquid syrup components including liquid sugar, glucose, additional sweeteners, water and other syrup components.

It is also capable of blending and mixing still fruit containing beverages. Once blended the product is automatically delivered to the consuming equipment under temperature adjustable conditions as required.

**TEBIOME** installs syrup and dairy rooms for the food, dairy and beverages industry constructed with the highest quality standards and always according to the specifications of the client and with all the appropriate certifications. **TEBIOME's** range of syrup and dairy rooms includes syrup rooms for beverage and juice plants syrup rooms for hot fill applications syrup rooms for aseptic filling and dairy rooms for the cheese and milk production industry. All of **TEBIOME's** Syrup and Dairy Rooms can be designed with the capability of an integrated CIP system.

## EXPERT SOLUTIONS FOR DEMANDING PROJECTS

### Pressure Vessel & Inox Tanks

TEBIOME designs and manufactures anticorrosion and process equipment in a wide range of materials. Our engineers are available to help determine the most cost effective and efficient tank design and our dedicated stainless steel workshop is fitted with equipment to provide high quality tanks.

### Hygienic Orbital fusion welding Networks

Orbital welding has been proven to be a very effective method for joining of stainless steel tubing for systems in which the products flowing through them must be maintained in a clean and/or sterile condition. **TEBIOME's** engineers create and install high quality hygienic orbital fusion welding networks tailored to the client's needs.

### LPG and Natural Gas installations

TEBIOME constructs and installs Liquefied Petroleum Gas (LPG) and Natural Gas systems and can guarantee cost effectiveness and efficient design.



TEBIOME solutions can provide you with top results in automation and quality control, reduced material losses and energy efficiency. We are able to either start a project from zero or install and integrate into existing facilities.

### High and Low Pressure Air Piping Network

TEBIOME is a reliable partner of different European authorized distributors and dealers, for high pressure oil free air compressors, for PET blowing. The main end customers are multinational companies in the food and beverages industry. **TEBIOME** offers complete design and installation of High and Low pressure air compressor systems for the food, beverage, chemical and pharmaceutical industry.

### Cooling, Heating, Ventilation Systems and Air Conditioning (HVAC) Systems

TEBIOME offers complete engineering and installation of HVAC systems for industrial and residential buildings.

### Fire Extinguisher Systems

TEBIOME is a full-service provider of fire protection engineering, design and installation services, as well as inspection, testing and maintenance services.

### Steam Piping and Boiler Rooms

TEBIOME offers complete design and installation of steam boiler and generator plants in cooperation with steam boiler manufacturer according to the customer or country specifications.

### Heat exchanger systems

Heat exchanger systems are vital in the utilities network, **TEBIOME** can offer customized Heat exchanger solutions for any temperature range. Precision in liquid temperature is a must in the stable operation of the production

# OUR PROJECTS AROUND THE WORLD

Austria	India
Albania	Ireland
Armenia	Italy
Bulgaria	Malta
Cyprus	Moldova
Egypt	Nigeria
Estonia	Romania
France	Russia
Germany	Serbia
Greece	Ukraine

**TEBIOME** has implemented numerous turnkey projects with leading multinational companies to bring to its clients cutting edge technologies in demanding applications, such as:

- Soft Drinks and Juice plants
- Dairy plants
- Pharmaceutical plants
- Water Bottling plants
- Energy related plants
- Miscellaneous plants



**Pre-fabricated and tailor made solutions**

Most of TEBIOME products and projects can be pre-fabricated at our plant according to the customer's specifications and tailor made needs. The advantages of pre-fabrication are the faster completion and commissioning of the project and the in depth testing of the system prior to operation.

**Close to our Customers**

For TEBIOME the commissioning of a project is the starting point of a long lasting customer relation. At TEBIOME we are close to our customers and we provide them with a total system solution not only in the engineering and technical field but also in training and the information infrastructure of their business.

**Free Service for our Customers**

TEBIOME's Information Support Department (ISD) provides key support from different publishing companies, consulting organizations, institutions, engineering companies, freelance engineers and

governmental organizations.

ISD has implemented a huge database library consisting of thousands of electronic and printed documents which are accessible by our expert teams and also available without charge to our customers under different support programs.

The database includes information from different engineering fields like construction, water treatment, thermodynamics, production, materials, automation chemistry, electronics, electrical engineering, corrosion and a lot more.

**24/7 Customer Support**

TEBIOME's policy is to support all customers on a 24 hours / 7 days' timeframe taking into consideration that a breakdown in a production facility could cost millions of Euros.

We can mobilize personnel and equipment quickly and efficiently in response to customers request in any place in the globe.

**ACCREDITATION** All of TEBIOME's projects comply with the strictest regulatory requirements worldwide and all projects are concluded up to the stage of certification. TEBIOME's constructions and installations are according to EU norms and local regulations and are EURO CERT certified. TEBIOME is also ISO 9001:2000 certified.





## TOTAL SATISFACTION SERVICES

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