

DEVISE ENGINEERING for Industrial Wastewater Treatment Solutions



DEVISE ENGINEERING is an experienced **Technology Provider** and a successful **Plant Manufacturer** in the field of Water and Wastewater Treatment for the municipal and industrial sector. For **INDUSTRIAL clients**, DEVISE provides **Smart Solutions** for the treatment of highly contaminated industrial wastewater, covering the following sectors: **Food manufacture / processing, soft drinks production, wineries, breweries, textile industry, pharmaceuticals, cosmetics, chemical industry, petrochemical, poultries, slaughter houses, sanitary landfill sites.**

The wastewater quality of industrial effluents varies a lot depending on the type of industry. Even in the same industry one can observe significant differences in characteristics of the wastewater to be treated. For this reason, each application needs a specific design and approach to suit the requirements of the client. Many other parameters also enter the difficult equation that process designers and engineers have to resolve so to produce the most suitable solution for the treatment of industrial effluents.

Smart Water Solutions

DEVISE's technical approach in such applications is characterized by the analytical investigation of the wastewater quality and its treatability and the provision of a solution that is implemented using compact prefabricated units. This last feature greatly benefits the industrialists, as it needs much **less plan-foot area** and on-site works than the conventional construction methods. The DEVISE pre-engineered, prefabricated and packaged method of construction, offers an effective solution that limits the land requirements and the disruption of the factory's business. DEVISE Packaged Plants for INDUSTRIAL Wastewater Treatment are of the highest quality and performance. Some of our valued clients are the following well-known and reputable private companies all over the world: **Philip Morris International, Colgate –Palmolive, IKEA, Apivita, ION**, etc.



Multiple Packaged Bio Plants operating in Parallel in the Wastewater Treatment Plant of the "Colgate-Palmolive" Factory

In our solutions we incorporate both well **proven treatment technologies** as well as **innovative high-end technologies** for the treatment of industrial effluents. Some of the basic but very effective technologies used are those of: Physical-Chemical with a variety of separators (CPI, DAF, Micro-Filtration, etc.), High-Rate Biological treatment (MBBR) and extended biological treatment with MBR, Anaerobic digestion, etc. Furthermore, Advance Oxidation Processes (AOPs) and Reverse Osmosis (RO) systems are used to treat especially high or difficult to biodegrade industrial effluents or if there is a requirement to achieve **Zero Liquid Discharge (ZLD)** and effluent utilization.



Views from the works for the Philip Morris International Industrial Project at Papastratos Tobacco Factory

DEVISE ENGINEERING can provide its clients the most suitable solution at a competitive price and guaranteed performance with the highest European Quality.



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