

JSC "Traidenis" – The Long-term Experience in Producing the Wastewater Cleaning Equipment

"Traidenis" company has more than 12 years of experience in field of water cleaning and producing the wastewater cleaning equipment and tanks of glass-reinforced plastic. The glass-reinforced plastic – is one of materials, the strength and durability of which equals to metal, hence, the products made of this material distinguish by their lightness, durability and specifics in mounting the cleaning equipment.

Production. The factory has long-term experience in producing the cleaning equipment. Factory is situated in larger than 8 ha site, it has 4 production workshops and the up-to-date technology.

JSC "Traidenis" is the first company in the Baltic States, which started producing the frames of tanks for the environmen-

treatment plants and all services related to their installation and maintenance. The specialists of the company select the best appropriate wastewater treatment equipment, prepare the project and agree on it. Company also performs the works of wastewater treatment systems construction and mounting, works of launching and tune-up and prepares the directions for use.



tal equipment (biologic, surface wastewater treatment plants, oil products catchers, wastewater pump houses, fireproof tanks and etc.) by using the winding technology. It has allowed company to increase the production capacity, to decrease the main stock consumption, the amounts of glass-reinforced plastic waste and, in the same time, to decrease the environment pollution.

The company produces, assembles, designs and maintains the biological wastewater treatment plants, surface wastewater treatment plants, oil products catchers, industrial wastewater treatment plants, business and industrial wastewater treatment plants and various products from glass-reinforced plastic: pools, cascades, chemical toilets, bio-toilets and tanks. All production meets the environmental requirements and has the quality certificates issued by the Certification Centre of the Building Products.

Vast Choice of Wastewater Treatment Equipment

JSC "Traidenis" offers high quality and ecologic wastewater

Biological Wastewater Treatment Plants. They may be used in the individual house and up to equivalent of 2000 residents. In most of the cases, they are used for cleaning the domestic wastewaters. By combining these plants with additional equipment (oil catchers, septic devices or likewise) they may be used for cleaning the biologic wastewaters of minor catering institutions or for cleaning other wastewater which is alike to domestic.

Surface Wastewater Treatment Plants – Various Oil Products Catchers. This type of plants is usually installed in gas stations, car wash stations, parking lots, garages, transportation terminals and in other territories that are potentially polluted by oil products. The oil products catchers are applied for separation of oil products from surface and industrial wastewaters. Sand catchers are used for precipitation of sinking particles, which are heavier than water. The equipment is produced not only according to the national requirements but also according to the normative basis of various countries. Hence, the equipment is pro-



duced according to the requirements of each individual country.

Industrial Wastewater Treatment Plants. The industry wastewaters are highly polluted by organic substances. The combined industrial wastewater treatment plants are recommended for cleaning such wastewaters and they are projected according to the main impurities and amounts of wastewater. *Flotator*. The working principle of this device is based on floatation. It is possible to separate fat, oil products, small feculence and various composites of slit from the wastewaters. *Bioreactor* – it is the biological wastewater treatment device, used for cleaning the high concentration wastewaters. Mechanical Cleaning Equipment.

Pump-houses The company produces the pump-houses of the glass-reinforced plastic, which are used for pumping of surface, household-domestic, industrial wastewater and sludge. Such pump-houses of glass-reinforced plastic are resistant to chemical influence and are waterproof. The pumps are chosen according to the nature and amount of wastewaters, distance, diameter and height of the route. In the bigger objects, it is possible to decrease the price of construction significantly by selecting the modern pumps. According to individual orders, the pumps may be produced for the individual houses and for the town pump-houses, where all wastewaters are pumped according to the needs of customer. All pump-houses are projected, factory type and fully commissioned.

Tanks may be horizontal, vertical, underground or above ground. Tanks are certified and designed for keeping different fluids, granular or powdery materials, wastewaters, manure, aggressive fluids and chemicals. And the *fireproof tanks*, JSC "Traidenis" produces the fireproof tanks made of glass-reinforced plastic, which are used for keeping and reserving the water, which would be used in case of fire. Tank systems, which are complemented with pump-units or pumps produced by JSC "Traidenis", can be used for water lifting to the necessary level or place. Tanks are designed horizontal, underground and above-ground. Depending on the desired place, fireproof tanks can be installed in lawn or under the carriageway.

The maximum diameter of tank is from 0.6 to 5 m.: length depends on the capacities of transportation and it may reach up to 16 m in length. Hence, the highest volumes may even reach 160 cubic meters, though everything depends on the conditions of transportation.

Based on individual orders the company produces various products of glass-reinforced plastic.

Company Operates in Many Foreign Countries. In years of its performance, JSC "Traidenis" has produced and installed

many wastewater treatment plants, which are successfully exploited in Lithuania and abroad. The company has its branch offices and representatives in Russia, Byelorussia, Kaliningrad Oblast, Latvia, Poland, Ukraine, Moldova and other countries. The manager of the company was the first of Lithuanian entrepreneurs, who has successfully affiliated with the entrepreneurs of Kuwait.

Awards. The performance of the company and its production has received many different awards in its native country and abroad.

Each year the company is evaluated in the competitions by medals: gold medal of "Lithuanian Product of the Year 2007" were presented for the tanks' frames produced by the winding method, fireproof tank of glass-reinforced plastic, wastewaters' pump-house, railroad oil products collection system, wastewater systems of new villages and newly built blocks, and etc. LR Ministry of Environment together with Lithuanian Confederation of Industrialists, Engineering Ecology Association and Environment Management and Audit Institute many times have rewarded JSC "Traidenis" in nomination for the "Most Favorable to Environment Product" for the achievements in the protection of environment in 2001. Also, the company has received many awards for its successful work, export, cooperation, etc.

Many awards JSC "Traidenis" has won in Poland. In Competition "Dom 2006" in Lublin, Poland, the biological wastewaters treatment plants have received the diploma for the best engineering technology solution, NV type biological wastewater treatment facilities won the silver medal "Golden Key" for the modular systems of the biological wastewater facilities etc. Many diplomas and certificates were also brought from displays, conferences and other events in Russia.

"Traidenis" has so many titles because it employs the best professionals, uses the modern manufacturing basis, produces the established products of the highest quality, provides the qualified engineering consultations and performs the construction installation works in the field of water management.



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