

„KIS” Engineering and Trading Ltd.



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Introduction

Our original profile included assembling industrial cooling-heating and chemical technologies, supplemented by the closely connected sectors of manufacturing, assembling, insulating steel structures, electricity fittings, cleaning flammable tanks, repairing and manufacturing chemical industry devices and pressure tanks, manufacturing plastic devices and pipeline assembly. From 2005, our activity also involves contracting for the building of sewage works, CMS dehydration plants, furnaces, refuse burners and biodiesel oil plants.

We have had EN 729-2 qualifications since 1996. We have been qualified to examine tanks for hazardous flammable liquid storage since 2002. We have had ISO 9001:2000 since 2003, and also AD 2000-Merkblatt HP0 qualifications.

The "KIS" Ltd. was founded in 1990 based on 100 per cent of Hungarian private capital. We are operating a significant industrial site with over 300 employees, including high educated colleagues with great expertise.

Our activities

- a) STEEL STRUCTURE ERECTION AND INSTALLATION
- b) REFRIGERATION TECHNOLOGY ERECTION
- c) PRESSURE-TIGHT TANKS AND EQUIPMENTS
- d) CHEMICAL INDUSTRIAL TECHNOLOGY ERECTION
- e) WASTE WATER TREATMENT AND SLUDGE DRYING TECHNOLOGIES
- f) WASTE INCINERATION WORKS AND HEAT UTILIZATION PLANTS

Innovative activities offered

- WASTE WATER TREATMENT

Types of the treated waste water

Communal and industrial waste water

Pre-treatment of waste water

Pre-treatment of waste waters starts with the adjustment of pH. The suspended-matter content is reduced by centrifugation and after-sedimentation. The last part of the pre-treatment means the removal of nitrogen and organic content in an aerobe-anaerobe live sludge system.

Treatment of waste waters

The pre-treated, suspended material freed, homogenized waste water gets in two-phase aerobe live-sludge reservoirs. After biological treatment the suspended or colloid biologically decomposable materials get in a sedimentable form or get out as nitrogen or carbon dioxide

The quality of the cleaned waste water is controlled by sampling and laboratory analysis.

Sludge treatment

The excess sludge gets into the sludge basin and after sedimentation and decanting to the sludge centrifuge.

The dehydrated sludge is delivered in container either to a deposit or after drying for disposal by incineration.

Energy (steam, electricity) can be gained by burning the dried sludge.

- WASTE INCINERATION PLANTS

Waste treatment

Types of the disposable wastes and the pre-treatments:

Sanitary wastes:	cold storage
Lumpy wastes:	milling before feeding.
Paste-like wastes:	adjustment of consistency for carburation
Liquid wastes:	Flow-through, decanting, phase separation

Feeding of wastes

Solid wastes are fed either by container or by clamshell attachment. Paste-like wastes are conveyed by a screw.

Fluids are carbureted by air into the incineration chamber.

Incineration of wastes

Feeding of the liquids are regulated by hydraulic-controlled equipment.

The sufficient oxygen supply is provided by ventilators.

The falling slag gets on a lattice grate, where its slow cooling begins, since there is a slight air intake through the grate. The slag is deposited in slag-dump.

Fume purification

The fume coming out of the system is cooled by filters. The dust-free fume get into a dioxin-absorber filled with activate coke and carbon.

After the dry cleaner the fume gets into two-phase washing system containing acid and alkaline washers.

Heat recovery of fume:

The energy content of fumes coming out is recovered by production of hot water, steam or electricity.



Possibility for cooperation:

We are looking for partners interested in the field of environmental protection and intending to introduce new technologies. We offer our waste water and incineration technologies with turn-key operation. We can organize and provide the necessary collection and logistic system. We are also ready to work in any field of activities listed above.

With these words, we commend the company and ourselves and hope you will find us worthy of your attention.