

Your specialist for residual and wastewater treatment

Purification of wastewater in a municipal waste incineration plant

AIK Technik AG is a Swiss plant engineering company focusing on processes for residue treatment with recovery of valuable materials. Our company is located in Sursee, Canton Lucerne. Since 1998 we have developed innovative technologies and realized plants for many customers in Switzerland and Europe.

Mission Statement

The mission statement of AIK Technik AG is characterized by a high sense of responsibility for sustainable and environmentally friendly development in the field of residue treatment and recovery of valuable materials. We are proud to make an important contribution to environmental protection and resource conservation with our technologically pioneering processes. Through our own innovative developments, we contribute significantly to the consistent improvement of the state of the art, while at the same time achieving a high level of customer satisfaction.

Your advantages

AIK technologies enable the ecologically and economically sustainable use of valuable materials from thermal waste treatment residues. In this way, recyclable materials are efficiently returned to the material cycle. With the conservation of resources and reduction of residues to be landfilled, we achieve environmental benefits with high added value.

Quality

AIK Technik AG follows a strict quality management. Our consistent quality policy in all operational tasks has been certified according to the quality management systems ISO 9001:2008. Innovative software tools support the consistent, successful implementation of these processes.

Products

AIK Technik AG develops, builds and installs forward-looking total solutions for residue treatment and wastewater treatment, especially for waste and refuse incineration plants.

Our standard offer includes:

- Filter ash treatment (FAW)
- FAW with direct valuable metal recovery (FLUREC)
- Waste water treatment (WWT)
- Mercury separation (Mercury-Ion)

Of course, the individual AIK processes can be used in combination. In addition, we develop and adapt further future-oriented processes and concepts according to customer wishes and requirements.

AIK Technik AG would also be pleased to realize your customized special plant.

Services

Comprehensive consulting and individual support are the hallmarks of our services. These are always explicitly tailored to the technical requirements of our partners. Our specialized in-house laboratory enables us to provide you with the best possible support in process optimization and problem solving. Our services include:

- Aftersales service such as spare and wear parts management
- Analyses of existing plants
- Basic engineering
- Concepts, studies and economic feasibility studies
- Planning of new and retrofit plants
- Process optimization
- Project management
- Partial and overall project management

Heavy metals are returned to the recycling economy

Hydroxide sludge is dewatered with filtration systems. FAW process Secondary raw material for zinc production.

cycle and valuable materials can be recycled in a targeted manner.

We close material cycles

The production of everyday consumer goods requires, among other things, large quantities of various metals. Until now, metal extraction worldwide has been carried out almost exclusively using the available primary raw materials, the ores. These were mined from the ore deposits and processed into the metallic product in metal smelters. At the end of the service life of the

consumer and consumer goods produced, some of them end up in thermal waste treatment. Under the present combustion conditions, volatile heavy metals such as lead, cadmium, mercury and zinc enter the residues of the waste gas treatment, from which they can be recovered using the AIK processes. With the AIK processes FAW, FLUREC, and Mercury-Ion, this material flow can now be closed into a

AIK Technik AG is your partner when it comes to implementing demanding requirements. With our knowledge and experience we can offer you a sustainable solution for your challenge. We are gladly available for your specific inquiries. Please do not hesitate to contact us.

