



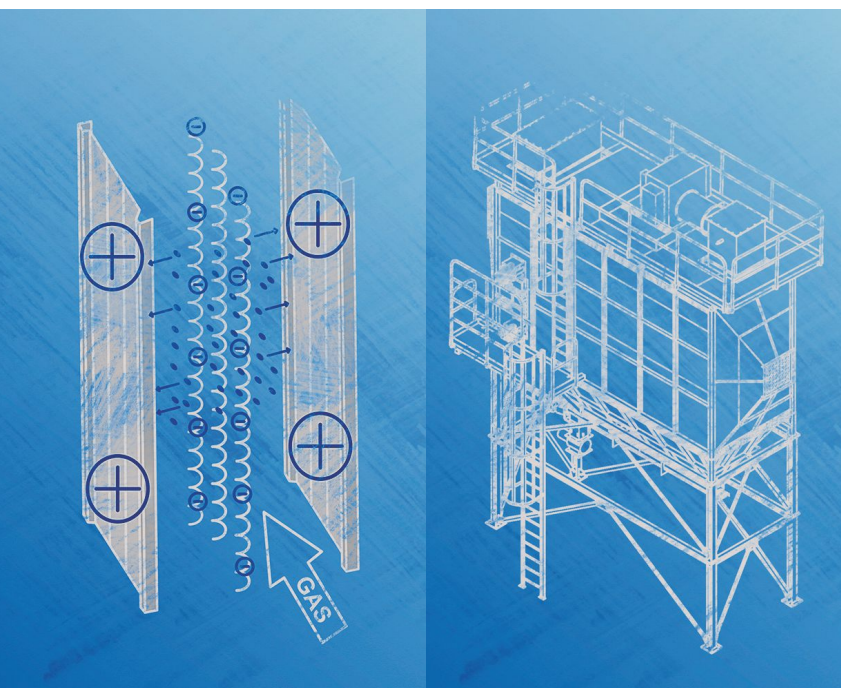
AIC

We are All In Container, offering over 20 years of expertise in flue gas cleaning, process automation, and PLC programming. With successful projects across the Baltic and Nordic regions, we provide complete solutions that meet environmental standards and emphasize sustainability. Our focus on efficiency and client satisfaction ensures reliable and high-quality service for every project.

ELECTROSTATIC PRECIPITATOR

An electrostatic precipitator (ESP) is a highly efficient air pollution control technology that uses an induced electrostatic charge to remove solid particles from flue gas. ESPs are widely used in power plants, cement plants, steel mills, and other industrial facilities to reduce particulate matter emissions and other harmful pollutants. Our ESPs are designed to fully comply with the 2015/2193 EU directive, which aims to limit emissions of certain pollutants into the air from medium combustion plants.

We provide tailored solutions for various boiler room layouts, such as flat-bottom ESP configuration, ESP with bottom hopper, and pyramid-shaped bottom filter. Our experts collaborate closely with clients to grasp their unique requirements and deliver optimal solutions for their applications.



OPERATING PRINCIPLE

An Electrostatic Precipitator (ESP) consists of multiple rows of profiled collecting plates and discharge electrodes. As gases pass through the ESP, solid particles acquire a negative charge from the discharge electrodes, causing them to migrate toward the positively charged collecting plates under the influence of an electric field.

These particles accumulate on the plates and are periodically dislodged through rapping, falling to the bottom of the ESP for removal. Flue gas distribution screens at the inlet and outlet ensure optimal gas flow and cleaning efficiency.

The essential electric field is generated by a high-voltage transformer rectifier, for which All In Container exclusively collaborates with the Swedish firm KRAFT Powercon.



ADVANTAGES



REDUCES AIR POLLUTION

Achieves up to 99% solid particle removal from flue gases, reducing emissions and air pollution.



HIGH OPERATING TEMPERATURES

It operates at temperatures above 250°C, making it ideal for energy and industrial companies.



QUALITY & TOLERANCE

The ESP's robust steel construction handles unburned particles and can last over 20 years with out out major part replacements.



FAST & SIMPLE

ESP installation is quick, with prefabricated components that minimize downtime. Suitable for new and existing facilities.

WHY US?

- > We design optimal flue gas cleaning equipment for your business
- > We perform an audit of the parameters of the combustion equipment
- > Our equipment will fully comply with the current EU directives
- > Warranty of up to 5 years
- > Warranty and post-warranty maintenance and consulting services – 24 hours per day
- > Installation services



CONTACT US!

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