



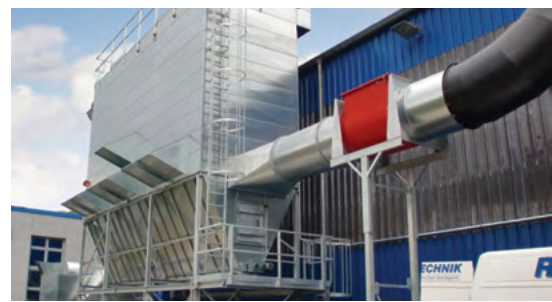
## Verticals

Air Filtration Solutions

Conveying Solutions

Waste Heat Recovery Solutions

Flue Gas Desulphurization Solutions



## INTRODUCTION

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SaveEco Energy is the leading group that facilitates clients with best-in-class delivering tailor - made equipments and providing solutions, especially for Critical Applications reflecting our competence by incorporating environmental responsibility. Catering to various industry segments, SaveEco Energy focuses on innovating and developing sustainable and remarkable development.

In addition to our pivotal services, we have expertise in making Bag filters and Baghouses, Electrostatic Precipitators ESP (Dry and Wet), Cyclones, SOx and NOx abatement systems, waste heat recovery systems bulk material technology and related solutions.

SaveEco Energy flaunts a diverse portfolio that signifies the company's values and ethics by offering the clients with reliable quality, timeliness, and cost-effective solutions.

## Project Management

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- > Designing & conceptualizing process flow
- > Innovative 3D planning construction
- > Ultramodern and revolutionary Engineering solutions
- > Delivering quality as per international standards
- > Customer – Oriented Consulting



## Services

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- > Consulting & Engineering
- > Production & Manufacturing
- > Installation & Commissioning
- > Maintenance & After sales
- > Upgrades & Retrofits



## Flue Gas Desulfurization Solutions

R&R Beth and SaveEco Energy India partnership has introduced India to the latest German Technology for Semi-dry and Dry FGD plants up to 50-60 MW capacity. R&R Beth technology for SO<sub>x</sub> and NO<sub>x</sub> abatement is the most preferred, which also cleans acid fumes like HCL, HF, etc.

These solutions cater to strict and very demanding emission norms, as slow as 'Less than 5 mg/nm<sup>3</sup>', facilitating the clients with cutting - edge technology.

In the Semi-dry system, the Flue Gases are moistened in an Evaporation Chamber before they are treated in the Reactor. The semi-dry FGD involves the injection of Sorbent (either Hydrated Lime or Sodium bicarbonate) into the Reactor chamber where a particular residence time is provided for Flue Gases to allow for a reaction. After reacting with the sorbent, Flue Gas Dust is recovered through a Bag Filter which is further used for recirculation in the Reactor chamber. The semi-dry FGD Process is a simple process with high desulfurization efficiency and with no wastewater discharge.

We provide flue gas cleaning systems for use in any number of different sectors, such as power generation, the extractive and steel industries and the chemical industry.



## Waste Heat Recovery Solutions

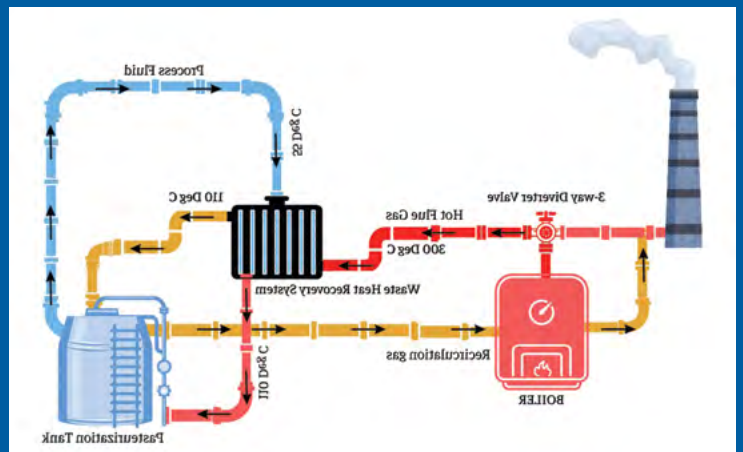
With the aim of accelerating awareness about the importance of conserving energy, increasing productivity, optimizing the resources, and increasing sustainability, SaveEco Energy India is offering 'Waste Heat Recovery Solutions'

A typical Waste Heat Recovery System (WHRS) on Flue Gas, consists of Heat Exchanger Diverter Dampers, Circulation Pumps PLC and MCC, Flow meters and instrumentations.

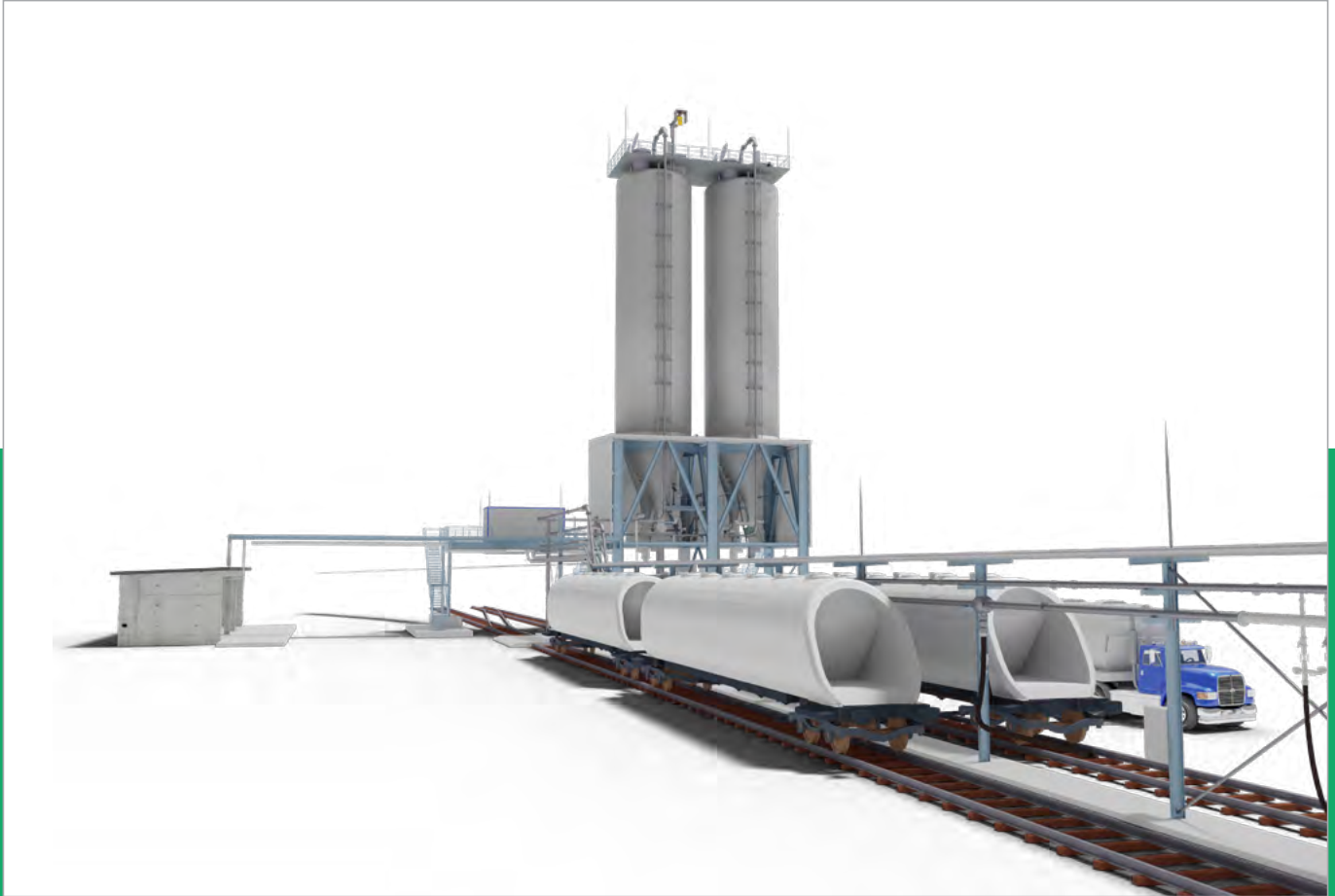
The waste heat of the Flue gas heat is transferred to the process fluid which can be further used to the process with a significant difference in the temperature of the process fluid. The Inlet and outlet profile of the Flue gas and the cold fluid are design parameters. The outlet temp. of Flue gas usually depends upon the fuel being used.

Recovered heat is transported to the user in properly insulated piping where the system is usually "close loop" type, The System not only increases the plant health, but also, gives Real time reading of Waste Heat Being recovered, as well as historic data also is generated.

These systems offer a very attractive R.O.I., usually between 12 - 24 months, although the same may depend upon the quantum of heat recovery, fuel cost, no. of hours in operation etc.



# CONVEYING SOLUTIONS



STAG AG, is a world leader, modern, future -driven company, with more than 60 years of experience in Bulk Material Conveying Systems and satisfying customers from Switzerland, Europe and worldwide. STAG develops and constructs standardized and tailor-made system solutions for Pneumatic Conveying & Transportation, material conveying as well as Wagon unloading Systems.

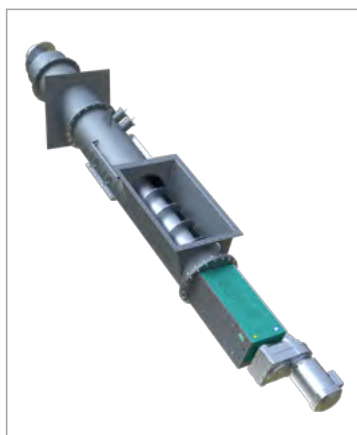
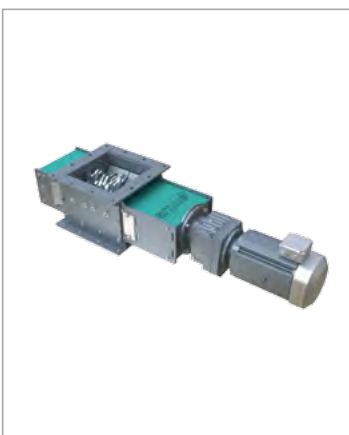
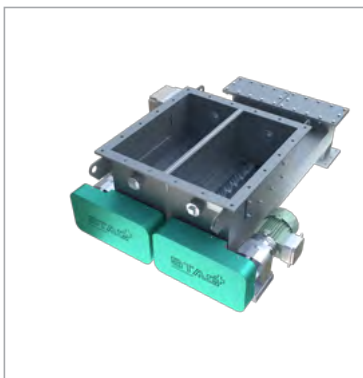
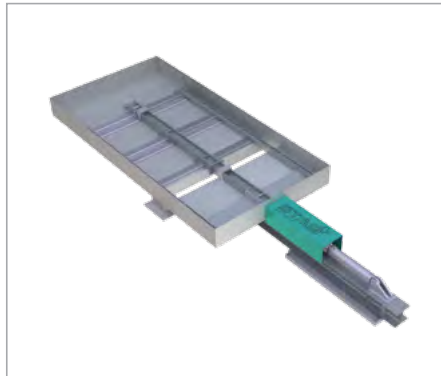
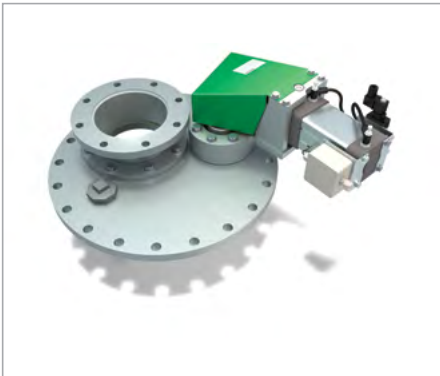
It has been engaged in pneumatic and mechanical conveyance, ensilage and dosing of bulk materials of any kind with more than 200 successfully commissioned plants worldwide. They work extensively in the field of energy (power plants), environment (incineration plants) and building materials (cement plants) with systems for ash, adsorbens, cement, brown coal and dry sewage sludge logistics.

Switzerland Office :

## **STAG AG**

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[www.stag.net](http://www.stag.net)



# AIR FILTRATION SOLUTIONS

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R&R-BETH is an internationally active technology company providing Dust removal technology and filtration solutions since 1887. They specialize in filter and extraction technology, sorting and separating technology, and explosion and fire prevention systems. They develop, fabricate and install both individual subassemblies and entire turnkey plants.

Saveeco Energy represents R&R-BETH, a Germany based company in the South Asian and USA markets as a technology partner.

We offer you state-of-the-art flue gas cleaning technologies, which are tailor-made for your plant processes. They provide consulting and engineering services which are the basis of our relationship.

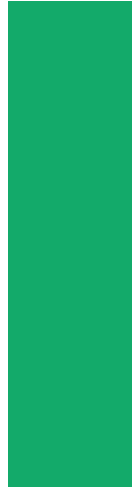
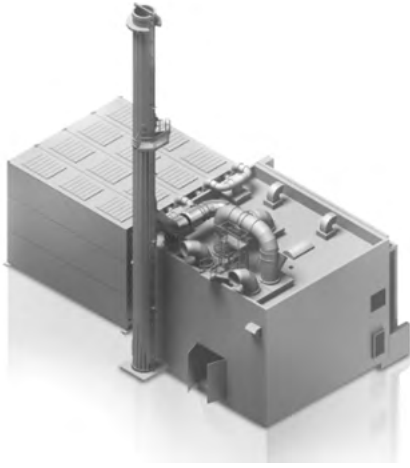
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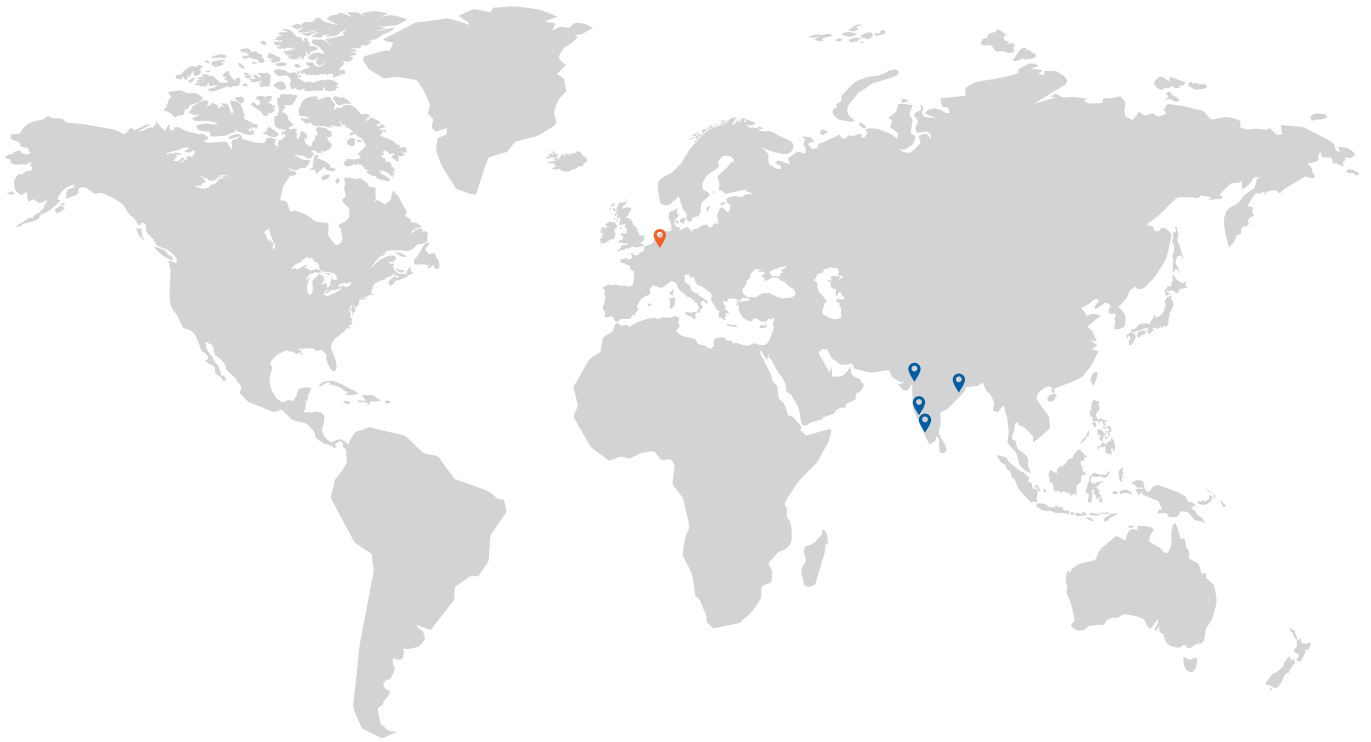
Germany Office :

## **R&R BETH**

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# SAVEECO

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