



Plants for the scrubbing of raw gases and exhaust gases

Application of gas scrubbing systems

- Removal of pollutants and odorants after the gas has been preconditioned
- Gas scrubbing methods:
 - Adsorption of activated coal or molecular sieves
 - Absorption of washing liquids
 - Filtration for dust separation
 - Biological scrubbing in biofilters
 - Thermal post-combustion
 - Catalysis
 - Low-temperature cooling
- Scrubbing of landfill gas and biogas in order to minimize the maintenance and upkeep costs of combined heat and power plants
- Removal of catalyst poisons using activated coal scrubbing before catalytic converters are used to obtain the formaldehyde bonus
- Purification of exhaust air from the biogas power plants so that the emissions are held according to the German Technical Instructions on air quality control
- Removal of dust from engine intake air in order to minimize residue in the combustion chamber
- Supervision of thermal post-combustion in the Flörsheim-Wicker landfill gas utilization

Rytec services

- Testing the dust-loaded gas
- Selection of the optimal gas purification process
- Supervision and execution of pilot experiments for determining scrubbing performance
- Identification of resource consumers
- Economic viability analysis of installing a gas purification plant at the location including identification of the necessary investment costs and operational costs and the potential savings for maintenance and upkeep
- Concept and plan for the installation and integration of the gas purification plant
- Approval planning
- Public tender
- Detailed design
- Participation in the installation and commissioning of the gas purification plant
- Construction management
- Participation in official inspections
- Operation of the gas purification plant, for example, changing the activated coal