

LANDFILL GAS

Landfill gas arises from the decomposition process of organic compounds and materials. A distinction is made between aerobic and anaerobic processes. The composition of the gases depends on the age of the landfill, the type of materials deposited and the landfill. The first two months after filling up, the gas contains higher levels of nitrogen and oxygen from the supplied air and there is hardly any carbon dioxide or methane. Immediately after the landfill is sealed, the carbon dioxide content increases dramatically, while methane takes a few more months and is only formed when the anaerobic phase begins.

Areas of application

- ✓ Gas compressor station for extraction of landfill gas
- ✓ Gas cleaning and gas analysis
- ✓ Gas flare system for landfill gas over 35% methane
- ✓ Support gas burner below 35% methane
- ✓ Weak Gas Utilization RTO

Optional

- ✓ Control criteria according to specifications
- ✓ Remote maintenance
- ✓ Execution according to CDM/JI projects
- ✓ Integrated gas flare
- ✓ Integrated control of the CHP's
- ✓ Gas cooling and conditioning
- ✓ Activated carbon filter for CHPs
- ✓ Service contract according to customer requirements

