

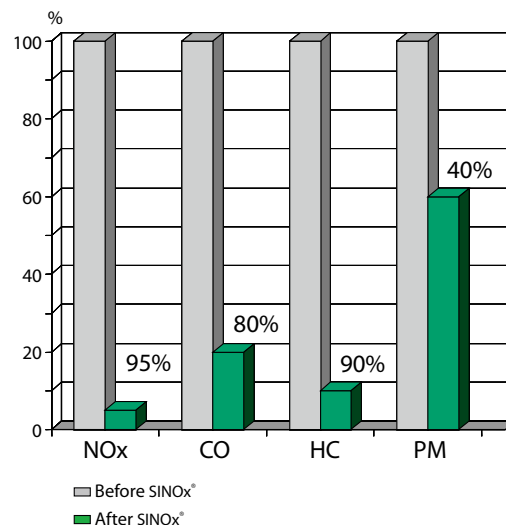
»»» SINOx<sup>®</sup> for Stationary Diesel and Gas Engines

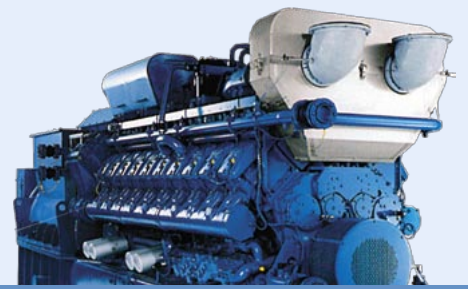
**SINOx<sup>®</sup> in Operation for the Environment**

The SINOx<sup>®</sup> exhaust gas cleaning system is based on Selective Catalytic Reduction (SCR) the most effective and proven process for NOx reduction. Harmful nitrogen oxides are reduced into harmless nitrogen and water through use of a urea or ammonia solution and SINOx<sup>®</sup> catalyst. The main features of the honeycomb type catalyst used in the SINOx<sup>®</sup> System are large specific surface areas, high activity and resistance against chemical substances, which allow compact dimensions with low exhaust gas backpressures and low ammonia slip.

**Our Know-how – For your Safety**

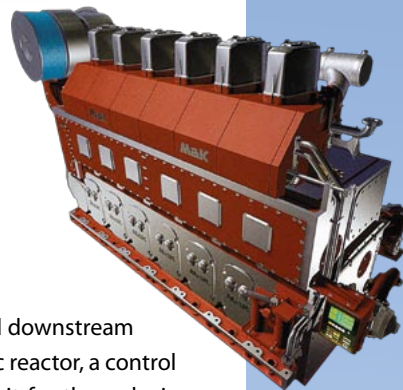
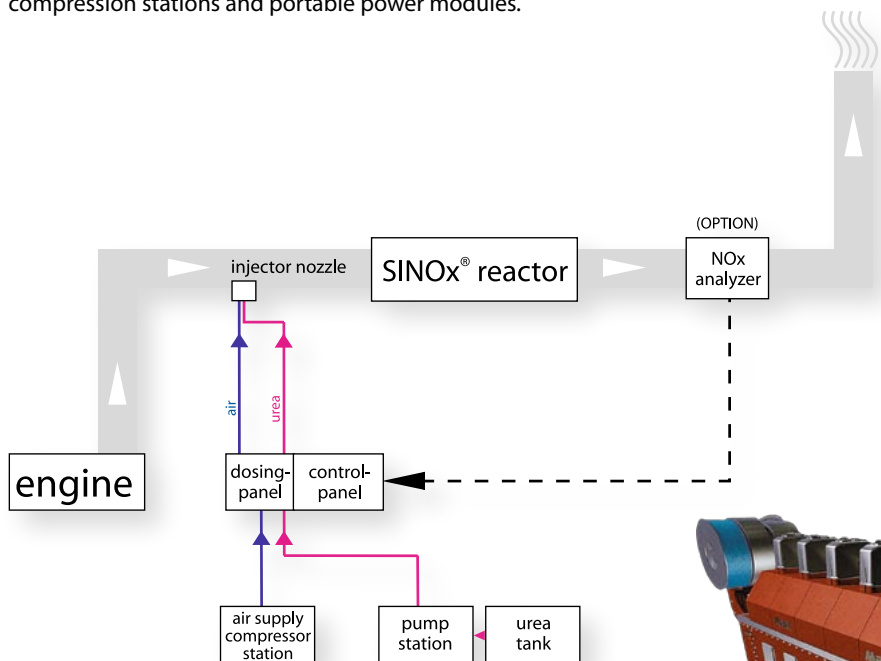
Beside its main function, the reduction of nitrogen oxide, the ceramic catalyst is able to reduce carbon monoxides (CO), hydrocarbons (HC) and particles (PM).





## >>> SINOx® System for Cogeneration Plants and Peaking Power Units

We supply complete exhaust gas cleaning systems for sources of NOx emissions, such as diesel and gas engines installed in cogeneration plants, peak shaving power units, gas compression stations and portable power modules.



For stationary diesel and gas engines, the SINOx® System is installed downstream of the engine in the exhaust duct and consists of the SINOx® catalytic reactor, a control unit based on either open or closed-loop control, and a dosing unit for the reducing agent.

The control unit ensures optimum and safe operation and regulates the injection of reducing agent according to the required load of the engine. This intelligent control equipment guarantees minimum consumption of reducing agent to keep your operating costs low.

### Our SINOx® exhaust gas cleaning system ensures

- compliance with stipulated emissions limits
- reliable and proven technology for stationary applications
- low installation and operating costs
- maximum service reliability
- compact and low weight building structure
- low ammonia slip

### References:

Johnson Matthey has equipped hundreds of power units with our SCR systems for stationary plants with diesel and gas engines worldwide, with a total engine power of over 1,300 MW with SINOx® exhaust gas cleaning systems.

### Please contact us for further inquiries:

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