

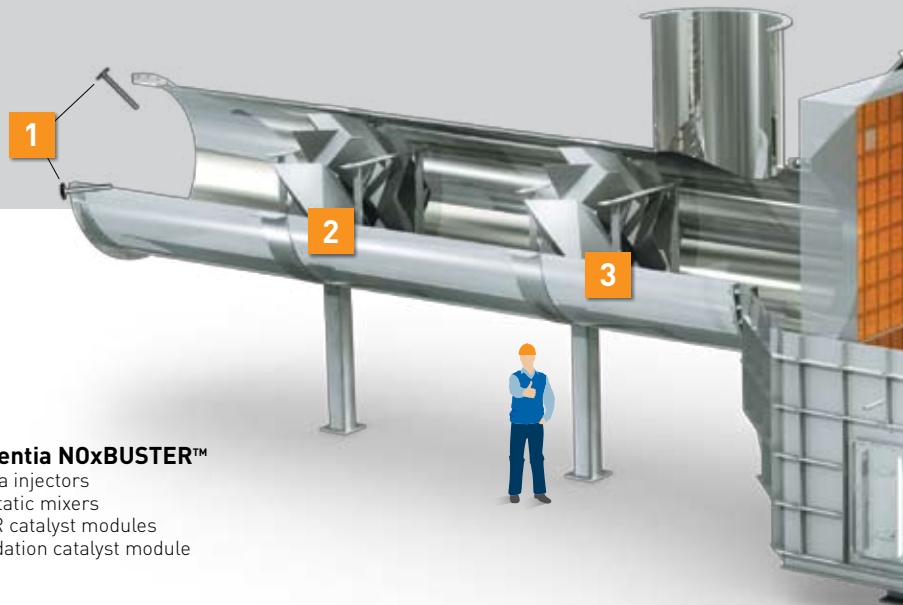


# EMISSION CONTROL

FOR STATIONARY AND MARINE

**PROVENTIA NOxBUSTER™**  
COMPREHENSIVE SYSTEM FOR **NOx REDUCTION**





**Proventia NOxBUSTER™**

- 1 Urea injectors
- 2, 3 Static mixers
- 4 SCR catalyst modules
- 5 Oxidation catalyst module

# Proventia NOxBUSTER™ – SCR System for Pure Power

Today, when the whole world is continuously tightening emission restrictions both on land and at sea, a flexible first-class emission control system provider can be the key asset when engine manufacturers and users are securing their competitiveness. Proventia is such an internationally operating emission control specialist offering you leading emission control technology, tailored to your specific needs.

**EXPERIENCE GUARANTEES EFFICIENT AND EASY-TO-USE SYSTEMS**

Proventia's stationary and marine R&D professionals have more than a decade's worth of experience in SCR system design

and tailoring to meet various needs, making us a trustworthy partner for your projects. We know exactly what it takes to make a firm and user-friendly emissions control system. It's no wonder that Proventia's emissions control technology has scored worldwide success among its major league industrial customers.

**WE THINK BIG!**

The bigger the application, the bigger the volume of harmful emissions. Proventia NOxBUSTER™ has all it takes to keep even the biggest applications up and running more environmentally friendly. Proventia NOxBUSTER™ is designed to keep emissions

at the required level or even eliminate them nearly totally. With Swiss-Finnish accuracy and quality, Proventia creates perfect purification systems for not only NOx but also for CO, HC, and PM reductions.

**PROVENTIA NOxBUSTER™ PROVIDES:**

**Emission reductions**

- NOx reduction over 90%
- Optional oxidation catalyst: CO and HC reduction over 80%
- Optional Particle Filter: PM reduction over 95%

**Sophisticated control system and high automation level**

- Fully automatic soot blowing
- Clear and user-friendly self-diagnostics



**FULL SPEED AHEAD!**

Ships often have very limited space available for the control of emissions. Proventia can tailor the NOxBUSTER™ to fit even the most limited space and so reduce not only harmful emissions but also noise, and all without any impact on engine performance.



## Tailored Solutions for OEM and Retrofit

Proventia NOxBUSTER™ is a fully tailorable exhaust purification system. Each customer will have a system designed and tailored according to their specific needs to fulfill local demands and directives. Proventia NOxBUSTER™ can be installed to both new applications as well as to those already in use. NOxBUSTER™ is suitable for applications using oil, natural gas, and solid and liquid biofuels.

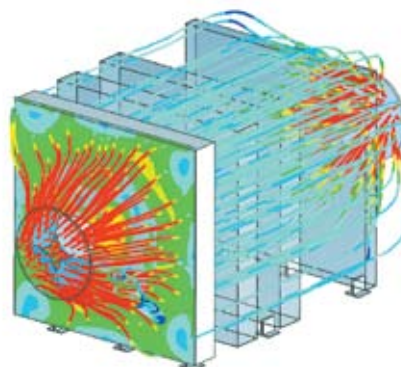
### **SHIPS, LOCOMOTIVES, BOILERS, GAS TURBINES – YOU NAME IT, WE’VE GOT IT!**

Proventia’s NOxBUSTER™ system works fine with stationary, marine and railway engines – including generating sets, locomotives and ships – as well as with utility and industrial boilers and gas turbines.

### **COMPREHENSIVE SERVICE THROUGH PRODUCT LIFECYCLE**

Proventia’s all inclusive service guarantees the most efficient method for taking care of emissions. Measuring, designing, training and supplying all the necessary high-quality components and devices as well as commissioning and maintenance all feature as part of Proventia’s service.

The simulation test gives essential information for tailoring and optimizing Proventia NOxBUSTER™ to get the best performance and durability possible.



### **PURE POWER NATURALLY**

Since the beginning of the 90s, our stationary unit has designed and supplied SCR systems for a variety of stationary applications, e.g. power plants, boilers and gas turbines. Applications running with dual fuel systems, heavy diesel fuels, biofuels or gas can all be cleaned efficiently using Proventia NOxBUSTER™.

## **PROVEN BY MARKET, GUARANTEED BY PROVENTIA.**

Proventia is an international automation and environmental technology group. We develop solutions to clean emissions from engines and power plants, as well as production technology to increase the efficiency of manufacturing processes. Our success is based on innovative, tailored solutions and a comprehensive service. We are continually developing new products and technologies to benefit our customers. Many leading actors in their own sectors have confidence in Proventia's versatile competence and extensive expertise.



**Proventia – Brightening Up the Future**

Tietotie 1, FI-90460 Oulunsalo, Finland ■ Tel. +358 207 810 200 ■ Fax +358 207 810 201  
Kronastrasse 12, CH-8404 Winterthur, Switzerland ■ Tel. +41 52 264 50 60 ■ Fax +41 52 264 50 65  
[www.proventia.fi](http://www.proventia.fi)