



BLUNOX A/S

The Industry Leader within SCR Emission Control Solutions for NOx Reduction.

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BLUNOX develops, manufactures and markets BLUNOX SCR systems, which are based on the ground-breaking Digital Airless Multipoint Technology.

Focus is on large engine applications and the BLUNOX standard product range fit engines/turbines with power ratings of 250 kW to 25 MW. Clients include organizations, which are at the forefront within Defence, Commercial Shipping, Ship Building, Engine Makers, Power Generation/Utilities and trusted Contractors in general.

The BLUNOX systems are available for marine, offshore, off-highway and stationary applications.

The BLUNOX SCR systems are installed on six Royal Danish Navy patrol vessels and are installed on a new class of 90m Offshore Patrol Vessels (OPV) for the UK Royal Navy ensuring compliance with IMO Tier 3 regulations.

BLUNOX A/S is a member of DANSK TEKNOLOGI Group founded in 1982.

Photo: BLUNOX SCR Systems are retrofitted on 'Mærsk Innovator', one of the world's largest jack-up drilling rigs.



Next generation NOx reduction

BLUNOX SCR Systems are fitted to all Royal Danish Navy Diana-class patrol vessels.

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BLUNOX Digital Airless Multipoint SCR systems is a complete SCR solution to reduce NOx emissions by up to 98%. The six vessels of the DIANA class have all been retrofitted with BLUNOX solutions ensuring compliance with IMO MARPOL Tier 3, and the industry leading compactness of the BLUNOX solution meant that structural modifications to the patrol vessels were completely avoided.

The BLUNOX solution deliver preeminent performance through its application of next generation technology and key innovations.

The patented Airless BLUNOX SCR solution is unique and sets itself apart from any other competing SCR system by being the only system on the market to use:

- Airless Injection of Urea
- Digital Dosing Technology

The BLUNOX solution means:

- No compressed air system
- No long urea injection pipes
- No exhaust gas flow dressers
- No exhaust gas mixers

The Airless Twinjet Injection nozzles allow for the urea to be injected immediately before the catalyst. Traditional air-assisted

SCR systems require minimum 2-5 meters of exhaust piping with a flow dresser, exhaust gas mixers and long urea injection pipes in order to adequately distribute the urea in the exhaust gas. With the BLUNOX solution, flow dressers, exhaust gas mixers, long urea injection pipes and the entire compressed air system is eliminated.

The above characteristics combined, produce a very compact, straight-forward and durable system with virtually zero energy consumption.