



CASE SCR on Heavy Fuel / Karadeniz Turkey

CLEAN FLOATING POWER! SCR DESIGN FOR HEAVY FUEL ENGINES

Karadeniz Energy group in Turkey developed powerships (power plants on ships) to supply electricity to shortage-stricken countries. For one of this floating power plant, PCA has designed and supplied exhaust emission control technology. The engine is four stroke dual fuel engine, operating on MDO or HFO. Low allowable back pressure, high amount of sulphur in a limited space represent a special challenge to NOx reduction.

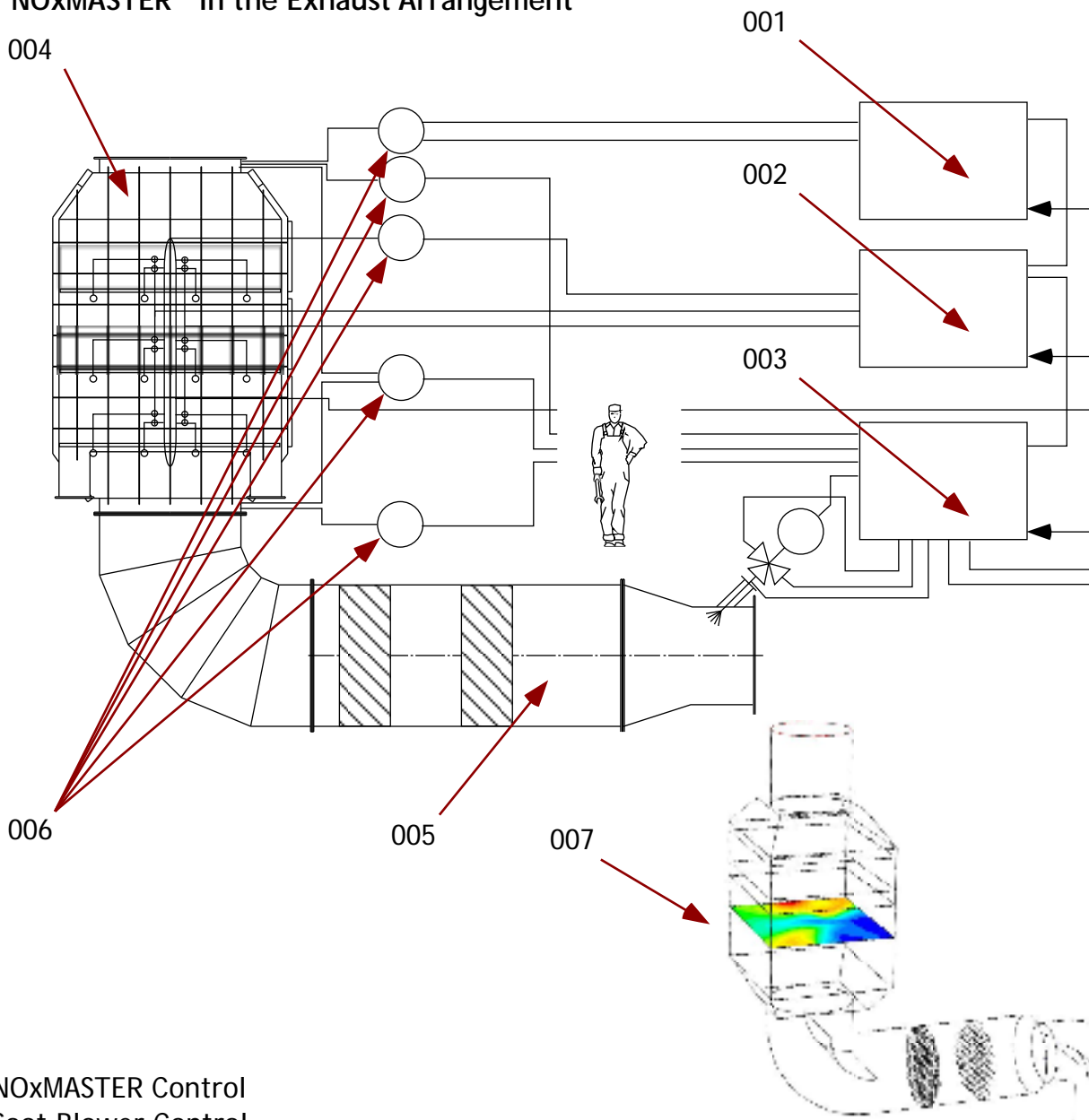
PCA's design package includes:

- Mixing and CFD
- Control system
- Dosing system
- Injection system
- Instrumentation
- Soot blowing system





NOxMASTER™ in the Exhaust Arrangement



- 001 NOxMASTER Control
- 002 Soot Blower Control
- 003 NOxMASTER Dosing
- 004 Catalyst Housing
- 005 Urea Dosing and Mixing
- 006 Instruments
- 007 CFD Illustration

Engine: MAN 18V51/60 DF
 Engine power: 6 x 18 MW
 NOx reduction: 80 %

