

CASE Dual Fuel / Fantoni Osoppo Italy

Pure Power, Clean Energy ! SCR SYSTEM FOR DUAL FUEL ENGINES GAS AND DIESEL

Power plant Fantoni in Osoppo Italy was a demanding challenge for NO_x reduction. The SCR system has to be suitable for both gas and diesel, each of which has its own characteristics regarding the emitted exhaust gas.

The targeted NO_x reduction rate of -98% is very ambitious.

The actual size of the system set its own requirements to the design and logistics.

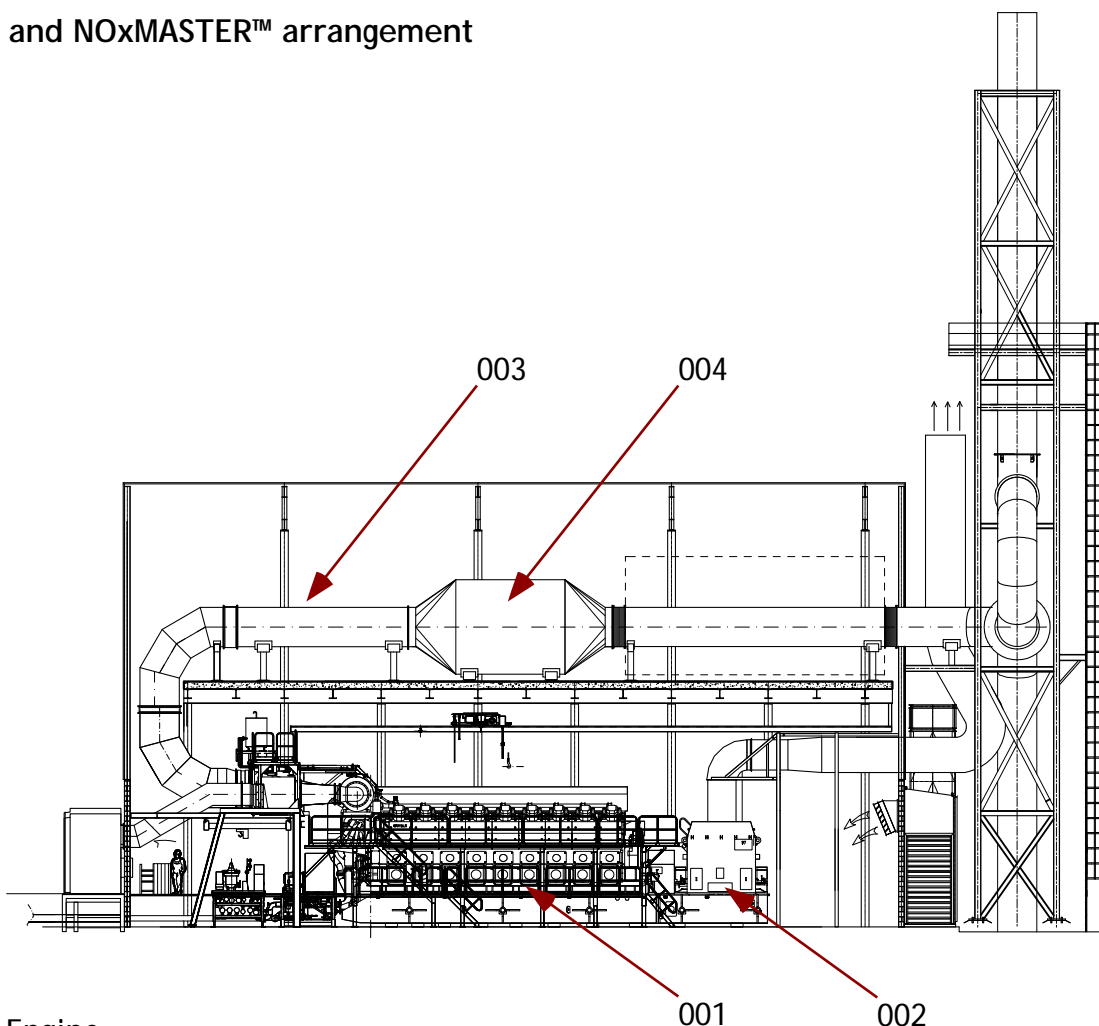
PCA's NOxMASTER™ system with sophisticated, control helps to produce environmental friendly electricity without the harmful impacts of NO_x, HC and CO emissions on the people and environment.

PCA delivered complete NOxMASTER™ SCR Oxi system including commissioning.





Engine and NOxMASTER™ arrangement



- 001 17 MWel Engine
- 002 Generator
- 003 Urea injection and mixing
- 004 SCR and Oxi catalyst housing

Engine:	Wärtsilä 18V50DF
Engine power:	17 MW
Fuel used:	Natural gas, LFO
Flue gas mass:	120 tons/h
NOx reduction:	98 %
CO reduction:	70 %
HC reduction :	95 %

