

Green and cost-saving technology from Aalborg Industries

As market leading manufacturer of high efficient and environmentally friendly equipment for the maritime market in terms of marine boilers and heat exchangers, thermal fluid systems and inert gas systems, Aalborg Industries has already taken the next step as front runner to maintain the leading position also for a number of new green solutions to support our customers in building and operating their commercial fleet to the highest standard for low environmental impact.

During the coming months, Aalborg Industries will gradually release relevant market news about green solution products.

Exhaust Gas Cleaning

The ongoing R&D work and test installations carried out in cooperation with MAN Diesel have proved successful in cleaning SOx and particles from the exhaust gas from main engines. This is just one of the future green solutions from Aalborg Industries along with the already established strong market presence for Waste Heat Recovery systems.



First installation of the Aalborg Industries scrubber technology will be carried out on a DFDS Ro-Ro cargo vessel in the summer 2009.

Reduction of SOx and particles using the scrubber technology

■ New environmental requirements for ships imply that in future, low sulphurous fuel oil must be used. Alternatively, an abatement technology should be installed.

■ In this respect, exhaust gas scrubbers can be used - using water, scrubbers are used for washing the exhaust gas from the main engine of the ship and can in fact be compared to a large shower cabinet. The technology is primarily known from landbased power plants and plants producing inert gas at sea.

■ Aalborg Industries is the market leader in installation of scrubbers for inert gas plants at sea at the same time as we have lots of experience building components in terms of exhaust gas boilers in the funnel of the ship for waste heat recovery. This means that we have acquired vital experience and know-how developing scrubbers for exhaust gas.

■ The development project was initiated in 2007 and during the winter 2008, we completed a full-scale prototype test that proved positively

and confirmed the applicability of the technology. We succeeded in removing as much as 99% SOx and up to 80% of the particles.

■ We are able to conclude that the environment as well as the economy of ship owners will benefit from the installation of scrubbers compared to the alternative - burning gas oil at sea.

■ The next step is installation of a scrubber system onboard a DFDS Ro-Ro vessel in the summer of 2009. Commissioning and follow-up are expected in the autumn 2009.

■ Concurrently, Aalborg Industries will continue the development of the scrubber technology for new ships and as retrofit onboard existing ships.

