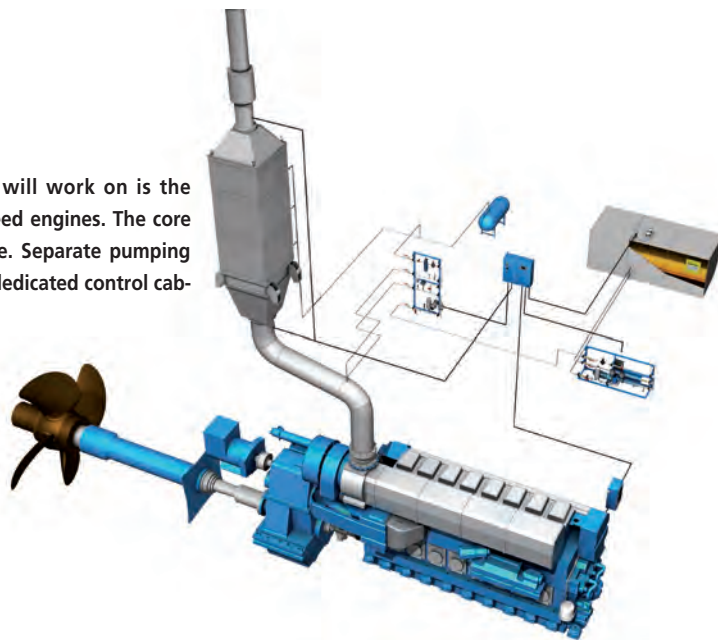


An example of the products the new DC Echotech unit will work on is the Nitrogen Oxide Reducer, Wärtsilä's product for medium-speed engines. The core of the installation is the reactor unit in the exhaust uptake. Separate pumping and dosing units deliver the urea solution to the reactor. A dedicated control cabinet is also part of the installation.



Environmental Products Unit Established

Wärtsilä has established a new centralized environmental products knowledge unit. Called Delivery Centre Ecotech (DC Ecotech), the unit will focus on developing and delivering environmental technologies, as well as products for emissions reduction and efficiency improvement. By combining the broad and technical know-how within the company, Wärtsilä is working to strengthen its global position in offering environmental technologies for power solutions.

DC Ecotech will be a global unit within Wärtsilä DC and act as Wärtsilä's center for proactively developing environmental technologies. Furthermore, in promoting and providing legislation know-how, the unit will help customers to comply with environmental rules and regulations as they become increasingly stringent.

The new unit will be headed by Juha Kytölä, president of Wärtsilä Finland, and also currently vice president,

Delivery Centre Vaasa, Finland. The new unit will be fully operational beginning in January 2009.

"Wärtsilä has many years of experience in delivering emissions reducing equipment for the exhaust stream of its engines, both in land-based power plants and ship installations," said Kytölä. "Common to all these deliveries is the fact that they are tailor made for each specific installation. DC Ecotech will focus on both the further development of these technologies, as well as a portfolio of products that can be produced in volume."

Tighter emissions legislation is impacting both the shipping and electric power generation market sectors. For example, the International Maritime Organization's (IMO) Tier II requirements stipulate a 20% reduction in nitrogen oxide (NO_x) emissions from current levels, while the Tier III requirements, which come into force in 2016, ask for an 80% reduction from today's levels in

selected areas. Sulphur oxide (SO_x) emissions are also to be significantly reduced.

Also, legislation requirements for power plants with similar emissions components are becoming increasingly stringent. There is also an increasing global focus on lowering CO₂ emissions, and limitations in this area are discussed and expected to come into force in the future.

In tackling these environmental challenges, Wärtsilä's DC Ecotech unit will continue and expand the company's ongoing new product research. This includes work on the development of a new selective catalytic reactor (SCR) unit system for gas engines as well as the validation and design optimization of the recently launched nitrogen oxides reducer (NOR) SCR unit.

Developmental work also continues on a combined marine scrubber and exhaust gas module, a waste heat recovery concept, and carbon dioxide capture and storage technology. 