

### **Kosan Crisplant premieres zero-emission LNG bunkering**

*Methane leaks during LNG bunkering pose a serious threat to the environment.*

Improving the shipping industry's environmental footprint takes more than reducing exhaust emissions. The bunkering process needs to be taken into consideration as well. On Wednesday May 6, 2015, Kosan Crisplant presented its 100 percent emission-free bunkering unit at an exclusive event in the Port of Hou, Denmark.

Switching to LNG is one of the means ship owners are looking at to reduce greenhouse gas emissions. However, since LNG is composed primarily of methane, a greenhouse gas roughly 25 times more potent than CO<sub>2</sub>, it only takes a minor leak during bunkering to take the overall environmental footprint from light to heavy.

Kosan Crisplant's patented zero-emission bunkering system is designed to ensure that any gas left in the pipes after completion of the bunkering procedure is returned to the tank instead of being released into the atmosphere.

The zero-emission bunkering unit has been in daily operation since March 2015, refuelling the first LNG powered domestic ferry in Denmark. The ferry connects the island of Samsøe, renowned for its focus on sustainability, with the Danish mainland. The new ferry, which can also run on biogas, is part of the island's vision to eliminate the use of fossil fuels by 2030.

Along with the green profile, the high bunkering speed was a decisive factor in Samsøe's choice of Kosan Crisplant's solution. The fact that the fully automatic bunkering procedure takes only 15 minutes to complete ensures a high degree of utilization of the ferry.

### **About Kosan Crisplant**

The Kosan Crisplant Group designs and supplies integrated solutions for professional use and distribution of LPG and LNG and offer after-sales and engineering services and facility management.

Since 1951, the group has supplied 2650 plants in 129 countries all over the world. The Kosan Crisplant Group has offices in 14 countries and is the world-leading corporation within filling and maintenance of LPG cylinders.

### **Additional information**

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