

## Innovators honoured by European Marine Engineering Awards

Thu 14 Apr 2016 by Paul Gunton



Six products, two individuals and a ship were all honoured at last night's European Marine Engineering Awards dinner. Trophies supported by *Marine Propulsion* magazine recognised innovation across a range of technologies, and were presented to winners at the event which took place in Amsterdam at the end of the first day of the European Marine Engineering conference.

Chairman of the judges, the secretary general of the International Association of Classification Societies, Robert Ashdown, said that the scheme shared two features that marked it out as one of the best award programmes: high quality entries from around the globe and an impartial judging panel that is closely involved in the industry.

The winners were:

### **Auxiliary Machinery Award**

ABB, for its Azipod D. Azipod D is the new member of ABB's gearless thruster family. It features hybrid cooling, which allows a very high output torque and gives improved hydrodynamic efficiency. The electric motor performance is increased up to 45 per cent.

### **Electrical Systems Award**

Mirus International, for its MOS Lineator. The MOS Lineator guarantees full compliance with class society harmonic voltage limits without introducing high frequency harmonics.

### **Environmental Performance Award**

I-Tech, for its Selektope Biocide. Selektope Biocide uses a pharmacological mode of action to combat barnacle settlement on ship hulls. It is effective in minute quantities.

### **Fuel Efficiency Award**

Schottel, for its EcoPeller. The EcoPeller is a highly efficient thruster optimised for open sea and coastal operating conditions. Innovations include fewer gears than a Z-drive unit and the patented high torque gear design.

### **Innovation Award**

NSB Group/Reederei, for its ship widening system. Reederei NSB has patented a concept to widen a ship cutting it into four pieces to enlarge it, increasing its capacity and stability.

### **Marine Engines Award**

Wärtsilä, for its Wärtsilä 31 Engine. The Wärtsilä 31 holds the Guinness World Records title for the most efficient four-stroke diesel engine. Operators can use different qualities of fuels, from very light to very heavy diesel, and a range of qualities of gas.

**Ship of the Year Award**

Stena Line, for *Stena Germanica*'s methanol-fuelling retrofit. The objective of Stena's methanol pilot project was to develop a pragmatic, cost effective and green fuel option.

**Graduate Research Award** (new this year)

Arne Good, of Antwerp Maritime Academy, for his Solar Boat project. His goal was to explore hull design and efficient electronics to develop an efficient hull and electric propulsion.

**Lifetime Achievement Award**

Prof Nikolaos Kyrtatos, of the National Technical University of Athens. Among many achievements are his co-ordination of the EU's 'Hercules' efficient engine research programme and his work as director of the university's Laboratory of Marine Engineering, which was designated as a centre of excellence in ship energy, emissions and economy by Lloyd's Register's Educational Trust in 2010 and rated as "among best in the world" in the university's 2012 external evaluation report.