

PRESS RELEASE

Zeppelin Power Systems provides Ahrenkiel Steamship with Optimarin ballast water treatment system

Hamburg, July 17, 2017. Zeppelin Power Systems is to install an Optimarin ballast water treatment system (OBS) on board Ahrenkiel Steamship's *MV Stadt Gera*. The customer has opted for a turnkey solution, which includes complete installation (mechanical and electronic), documentation, and coordination with the classification company. The proposed system, OBS 334-BK, has a maximum capacity of 334m³/h and will be installed in a European shipyard in August 2017.

The Optimarin ballast water system won Ahrenkiel Steamship over on all levels: "The system is robust, easy to install and operate, and does not take up too much space," says Walter Koglin, Vessel Optimization Manager at Ahrenkiel Steamship. "Unlike other systems, this one also works perfectly under difficult operating conditions, and at a very low cost as well."

By choosing to invest in the OBS 334-BK, Ahrenkiel Steamship has opted for sustainable ship operation, and a resource-efficient, environmentally friendly system that helps to protect our ecosystems. The system first filters the ballast water and then treats it effectively using only two medium-pressure UV lamps with a broad power spectrum. This treatment is carried out reliably without the use of chemicals or biocides and therefore helps to protect the ecosystem. The system achieves a self-cleaning effect through high surface temperatures of up to 800°C on the quartz glass, meaning cleaning modules, wipers, and scrapers are no longer needed.

Zeppelin Power Systems has been an official partner to Optimarin, the Norwegian manufacturer of ballast water treatment systems, since 2014. The company is one of the biggest providers of these systems and has been on the market since 2000. The systems meet the IMO D2 standard and therefore the requirements for all conventional marine classification companies. The Optimarin technology is also the first of its kind that has received the United States Coast Guard (USCG)'s Type Approval for ballast water treatment systems.

Images:



Caption: The Optimarin ballast water treatment system (OBS) 334-BK is used on board the MV Stadt Gera.

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About Zeppelin Power Systems

Zeppelin Power Systems is the official partner of Caterpillar for Cat, MaK and EMD engines and a leading provider of drive, propulsion, traction and energy systems and has been partnering with Caterpillar for 60 years. With about 800 employees, Zeppelin Power Systems offers their customers individual, highly efficient system solutions with comprehensive services for industrial and marine applications, the oil and gas industry, rail vehicles and power generation.

About Zeppelin Group

Zeppelin Group operates 190 sites around the world. In the 2016 fiscal year, its around 7,700 employees generated sales of 2.36 billion euros. Group-wide collaboration in Zeppelin Group revolves around a management holding company and six strategic business units: Construction Equipment EU (sales and servicing of construction machines), Construction Equipment CIS (sales and servicing of construction and agricultural machines), Rental (rental and project solutions for the construction and industry sectors), Power Systems (drive, propulsion, traction, and energy systems), Plant Engineering (engineering and plant engineering) and Z Lab (new digital business models). Zeppelin GmbH is the Group holding company. It is legally domiciled in Friedrichshafen and has its head office in Garching near Munich. For more information, visit www.zeppelin.com.

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