

Green team eyes sustainable opportunities

With the theme of Joint Industry Projects and networks very much at the heart of this issue, Report highlights the work of our Greenship team that looks for “green” opportunities both within and outside of MARIN.



From left to right, first row: Tom van Terwisga: Propulsion systems and air cavity concepts, Jie Dang: Specialist and Offshore vessels, propulsion systems, Guilhem Gaillarde: Ships hydrodynamics (Team leader), Jan de Boer: Engines and control systems, Rob Grin: Cruise and ferry, Ron Schoon: Simulations, Henk Blaauw: Inland shipping. **Second row:** Enrico Della Valentina: Yachts, Rogier Eggers: Wind assisted and sail propulsion, Klaas Kooiker: Resistance and propulsion, Reint Dallinga: Seakeeping and service scenario simulations, Erik Jan de Ridder: Renewable energy source (from RENT team). **Not in picture:** Henk Valkhof: Resistance and propulsion (Greenship team initiator; absent), Thijs Hasselaar: Full scale measurements (absent), Yvonne Koldenhof: Harbour and river simulations (absent), Patrick Hooijmans: Merchant vessels (absent)

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Comprising specialists in various expert fields and ship sectors within MARIN, the team seeks out possibilities to further push MARIN's involvement in sustainable developments and green innovations. Despite the fact that MARIN already offers the shipping industry extensive knowledge and tools to optimise and assess the performance of ships, the actual ambitions for emissions levels and the push for a drastic reduction in the shipping environmental footprint means that MARIN has a further responsibility.

The Greenship team aims to combine expertise and intelligence, create internal awareness, to generate innovative thinking and to create a solid backbone and support for new and challenging ideas arising from the industry.

Further explorations of air cavities for drag reduction, wind assistance or wind propulsion within merchant shipping, production of onboard energy through ship motions, design for optimal service conditions and combined inland harbour shipping scenario simulations are just some of the issues being examined currently and where MARIN hopes to increase its knowledge and expertise.

If you would like to contact one of these specialists for independent advice or studies, please e-mail Greenship@marin.nl. □