

<p>AIM OF THE ECOSHIP60 NETWORK</p>	<p>The aim of the network partners is to develop environmentally friendly alternative propulsion and energy systems for small to medium-sized work and patrol boats that allow users to travel at low cost with high performance and a long range.</p> <p>To this end, the small and medium-sized enterprises work together with research institutions to develop appropriate solutions. These are then applied for and implemented in the form of R&D projects for funding.</p>
<p>BENEFITS FOR THE COMPANIES</p>	<p>Competitiveness</p> <p>With the individual developments of the R&D projects, the partners can establish themselves on the market for alternative engines. The SMEs expand their know-how and their range of services; they unlock new economic potential and increase their competitiveness.</p> <p>Transfer of knowledge</p> <p>The cooperation between companies and research institutions creates a unique exchange between practice and theory. Companies in particular benefit enormously from this knowledge transfer.</p> <p>Future orientation</p> <p>Membership in our network also makes it clear that the companies are making a significant contribution to climate protection. This shows that they work in a future-oriented way and strengthens a sustainable image. In view of the current shortage of skilled workers, this feature is particularly relevant to attract existing and new staff.</p>
<p>TECHNOLOGICAL FOCUS</p>	<p>In order to achieve a significant reduction in environmental pollution (CO₂ and noise), integrated technical solutions are being developed at competitive prices. The special feature of the network approach is the holistic consideration of all technological sub-areas and their interdependencies, e.g. the determination of the consequences of the choice of a propulsion system on the hull and space concept of a ship.</p>
<p>R&D PROJECTS</p>	<ul style="list-style-type: none"> ▪ Electromechanical pitch adjustment system ▪ Compact fuel cell technology for a parameter-limited boat ▪ Compact gene set with CO₂-neutral fuel ▪ Load-bearing hull-deck connection for material combinations in boat construction ▪ Sensor-based readout system for detecting energy consumption ▪ Smart water jet manoeuvring system
<p>AWARDS</p>	<p>EcoShip60 has been named “ZIM Network of the Year 2023“. At the “Innovationstag Mittelstand” in Berlin on 15 June 2023, the title was awarded by Federal Minister of Economics Dr Robert Habeck. The award recognises the excellent network cooperation as well as the particularly successful use of project results by the partners.</p> <p>EcoShip60 was also named a ZIM success example [only available in German].</p>



ACTIVITIES	<ul style="list-style-type: none">▪ Development of R&D projects<ul style="list-style-type: none">- to ensure further funding from the ZIM and other programmes▪ Public relations work to present<ul style="list-style-type: none">- the partners and their specific competences- the capacity for innovation▪ Networking<ul style="list-style-type: none">- transfer between science and industry- use of synergies
NETWORK STRUCTURE	The EcoShip60 network currently comprises 13 partners. There are 5 SMEs, 3 research institutions, 3 large companies; 1 cluster and 1 authority. The network is managed by the agency DSN Connecting Knowledge.
PARTNERS	<ol style="list-style-type: none">1. ABEKING & RASMUSSEN Schiffs- und Yachtwerft SE2. ARMATUREN-WOLFF Friedrich H. Wolff GmbH & Co. KG3. Federal Waterways Engineering and Research Institute (Bundesanstalt für Wasserbau, BAW)4. Kiel University5. Danfoss Editron6. Fraunhofer Institute for Manufacturing Technology and Advanced Materials IFAM7. Friedrich Marx GmbH & Co. KG8. ITK-Engineering GmbH9. Lübeck Yacht Trave Schiff GmbH10. Maritimes Cluster Norddeutschland e. V.11. Maritimes Zentrum Hochschule Flensburg12. Otto Piening GmbH13. SDT - Schiffsdieseltechnik Kiel GmbH
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