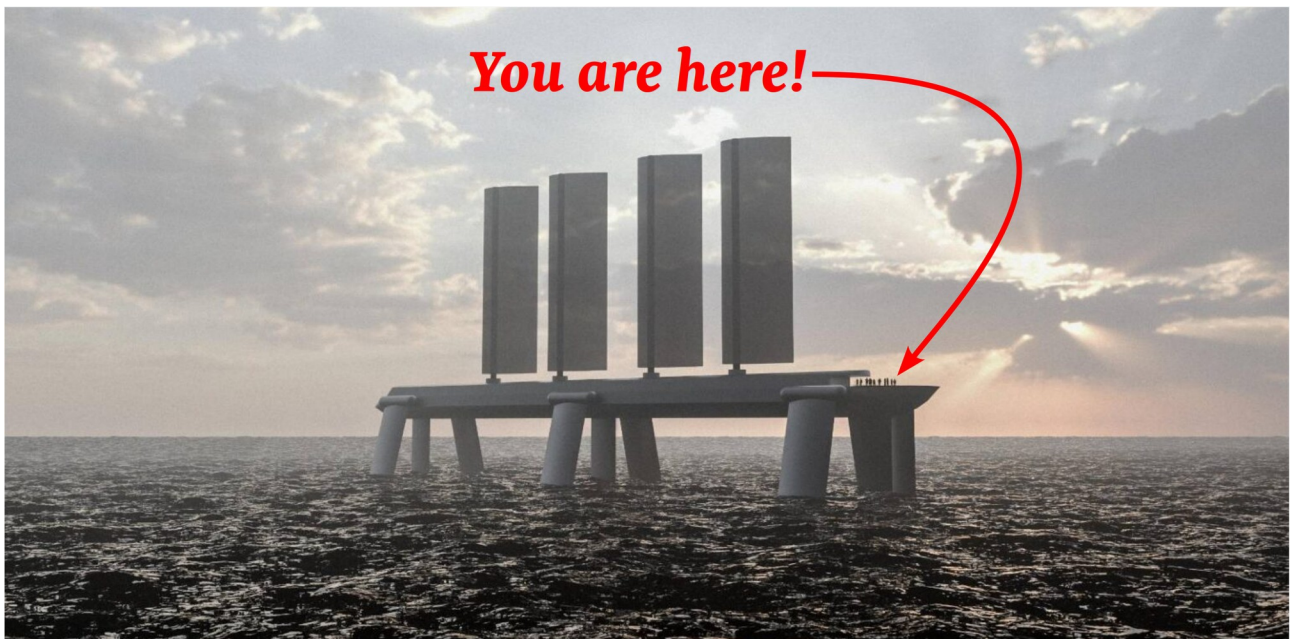


Ohanda One – Imagining A Zero Emission Ship



Ohanda.One is a long-term utopian science fiction *speculative design project* played out by an international, transdisciplinary group of Open Knowledge Enthusiasts, designing, building and operating a futuristic zero emission ocean vessel. The vessel will host about 150 to 200 people for traveling passages across all oceans. It will be the starting point for a greater fleet. Besides hosting people for transport, each vessel will serve as a mobile collaborative working space, fab-lab and creative research platform - you imagine what. While traveling on board and maintaining their own topics, people will also work and learn together and be part of a greater collaborative and creative team. Ideally there will be no passengers but only participants. In addition each vessel will host a permanent ocean lab and international research platform for addressing the current crises of our oceans and the entire planet within open knowledge systems, including open data and formats.

The project will draw together an international group of open knowledge oriented cultural, artistic, scientific, academic, maritime and environmental organizations and individuals to improve sustainable seafaring and ocean research. It gathers strong voices from the Open Science community and creates stories and cultural engagements around environmental issues, that have the ability to bring discourse of sustainability issues to a wider audience as well as locating new technologies and practices in sustainable sea faring.

The Ohanda.One project itself is a Free and Open Source project that focuses on open knowledge and aims to fire people's imagination, curiosity and creativity.

The project was initiated by Tuomo Tammenpää and Juergen Neumann following up on their conjoint work on ramping-up the Open Hardware and Design Alliance - OHANDA. It was first introduced to the public at the **Gathering for Open Science Hardware GOSH at CERN in March 2016**. The first iteration, Ohanda One.01 - aka the “shiplet” - is a 1:100 working scale model prototype of the ship, but also just a symbol for the greater plan and bigger picture.

Ohanda One opens the ideation and creating of the platform for a broad audience, invoking you to join us to work on any of these related topics:

- **Self-Sustaining Systems**

How to improve self-sustainability for life on board the ship (bio-sphere)? How do we relate to and exchange with the suppliers and supporters on land?

- **Green Tech**

How can we improve the ship design (hydrodynamics, sailing/drive, energy consumption/production, material, etc.)? How do we use solar and wind power, biogas and gyms?

- **Social Life**

What are the rules for the social life, co-existence and collaboration on board? What are the duties and freedoms in that shared space? How to agree on that? What is the shared spoken language on board? What power structures are needed and how and by whom are they executed? How do we relate to and exchange with the landsmen and their local social and eco systems?

- **Design**

What are the assumptions for the vessel design? How would we imagine the interior design and clothes? What are the fundamental requirements? What could cabins and social and work spaces and labs look like?

- **Open Toolchain**

What are the free/libre open source tools and data formats we need to “open source” the entire process - from ideation to operation?

- **Ownership and Funding**

What ownership structure would we prefer? Where does the money come from? co-op vs. company? Who should NOT be our sponsors?

- **Project Administration and Continuity**

What are the next steps for a roadmap towards Ohanda.One? Who's in charge?