

AN EXPEDITION AROUND THE WORLD TO SEEK LOW-TECH SOLUTIONS

In February 2017 ends the first year of the extraordinary journey around the world made by the [Catamaran Nomade des Mers](#), to meet the inventors of low tech systems that provide solutions to today problems with a focus on the future.

During the first year the *Nomades des Mers* team, leaving France in February 2016, made stops in the ports of Morocco, Senegal, Capo Verde, Brazil, South Africa, Mozambique, Madagascar, India, Sri Lanka and Indonesia. In every country they meet researchers and inventors who are dealing with the most relevant local problems using low tech technologies that are defined by the project as *simple and ingenious systems capable of responding to basic needs*.

The *Nomades des Mers* website presents the innovative solutions of each country visited, such as solar desalinization in Morocco, charcoal and wind power in Senegal, biogas and water filtration in Brazil, recycling in South Africa, the production of spirulina in Madagascar, solar energy in Mozambique, waste management in the Maldives, plastic pyrolysis in Sri Lanka, Indonesian aquaponics and biogas in India.

The association [Gold of Bengal](#) has collaborated with *Nomades des Mers* by implementing and managing an online collaborative research platform to call on a community of Makers from all around the world.

The catamaran was designed by the *Nomades des Mers* as a Low-Tech Laboratory, equipped with solar panels, wind turbines, a power generator working with solar, wind and hydraulic energy and able to produce 12.000 KWh per day. In addition to provide the necessary energy the boat is furnished with other low-tech systems needed to ensure their sustainability and autonomous self-living, such as a hydroponic greenhouse, seaweeds as spirulina, and even a hen-house, water desalination, a multifunctional pedal system, a low-consumption wood stove, a solar dryer.

This Low-Tech Laboratory is used during the stops in the different countries to share and test with local inventors the innovative solutions of common interest.



The project, led by the French engineer Corentin de Chatelperron and realized with the support of a professional team of experts, will continue to search and promote solutions responding to issues of general interest, respecting and valuing the nature and the own resources of each territory. The project is supported by the Explore Fund, the Schneider Electric Foundation and by ARTE France which ensures the dissemination of information.

On the website of Nomades des Mers it is possible to follow the adventure of this extraordinary Catamaran and to know more about the innovative systems found at each stop-over of the journey.

To know more

Lowtechlab.org/nomades-des-mers

[Nomades des Mers en Facebook](#)

[Gold of Bengal website](#)

[Future.arte.tv](#)

[Article in wave-innovation.com](#)

[Article in wedemain.fr](#)

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