

Description of technology/business model:

GSIRE is an anti-rolling tank that generates electricity from the water flow inside the tank that activate turbines on both sides of the tank. 2 years of tests on the research vessel Thalassa of the IFREMER enabled us to have good results and to sell our first GSIRE in 2018 to a fishing company in Norway. The LNG+battery vessel “LIBAS” is being built in 2019. Fishing vessels are our target as well as research vessels, as they spend more than 200 days at sea, and enables to reach an ROI of 5 years. Greening the shipping sector is a major challenge, and our technology is easy to integrate to an existing tank.



Company/ Institution	GEPS Techno
Revenue streams	Basic design, detailed design and licensing. Manufacturing is assigned to shipyard
Projects	GSIRE, the one only stabilizer that generates electricity
Capacity	Up to 2 x 250 kW installed
Additional benefits	Great security in case of black-out – can be integrated on the main or on the secondary switchboard
CAPEX (range)	Varies according to the tank size (from 200 k€ up to 600k€)
LCOE (range)	Return on investment within 5 to 7 years
Lessons Learned	The vortex chambers inside the tank damp the noise and the generators improve the stabilization ratio