

Co-enabling a Resilient, Green and Competitive EU industry

Tools for Energy autonomy, Low- Ω electrolysis, Grid stabilisation

Fossil-free Hydrogen | Faster Bubble Release | Large-scale P.E-Buffer | Solar Desalination

Seanergy.be

Continuous R.E. from Atlantic
HC's synthesised on a ship from collected hydrogen + stored C from CC.

Sea-wiggle.R

From ocean waves to H₂
WEC+S: monitored self-navigation & 360° self-adapting to wave profiles.

B.F-electrolyze.R

An electrode with accelerated release of sticky bubbles in a bath-in-bath layered Na⁺ Cl⁻ barrier.
A Cl₂-based self-cleaning inlet filter.

B.C-induce.R

Power from random motion
Generator not requiring linear start-to-end movement or 360° rotation.

R.E-expande.R

Mechanical energy storage
A modular, tension-based hub for the grid, community or emergency.

Sol-d'eau.R

Desalination pipeline from ocean to drylands

www.inventhinking.eu presents a set of overarching & supporting elaborations as future-oriented responses to challenges; SWOT analyses in real-world conditions.

The strategic and societal relevance of our targeted configurations is examined against (inter-)national pressures, the need for I&EQ-based re-industrialisation & options in infrastructural transitions.

Operational aspects for deployment on open ocean are assessed in Q-A format addressing net-energy generation, real feasibility and vulnerability in context.

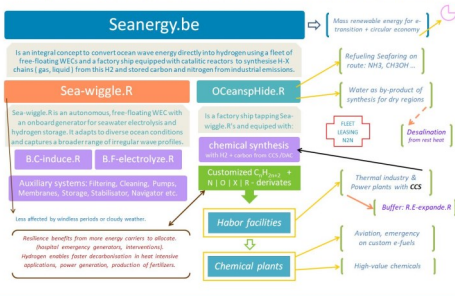
Our bath-in-bath electrolyser mobilises an extra gradient mechanism. Our brine-barrier should prevent Cl₂ formation. Bubble retention time should decrease through an electrode & process redesign.

Seanergy.be could mark the emergence of a new industrial sector with extended supply chains in materials, employment & speed up new engineering disciplines.

Multiple Seanergy.be fleets can provide global support for decarbonisation.

Nine-Nice-Niches and this integration scheme serve as incentive for PoC and for EU-supported trials and a taskforce.

Global roadmaps to net zero by 2050 - set out by IEA, UN, EU - stress the need to mobilise the full spectrum of clean energy technologies. In the shift to a truly sustainable future and circular economy, ocean wave energy becomes crucial. Transitional phases demand even more energy - for CCS/E for fuels and green chemistry, and for demolishing and rebuilding infrastructure with missing skill sets. Wind, solar and renewable marine energy will not suffice. Bridging this gap call for a disruptive approach. The open ocean is the way out - Seanergy.be is the way in!



From fantasy to field by fusing facts & forces.
Support our innovations forged by firm fundamentals.