Alternative design solution for energy generation from water

Sector: Marine energy

Short description of the needs:

Scope of the challenge: The company has developed an innovative power generation system harnessing any flowing water such as channels, sea tides, currents, rivers, without the need of heavy ancillary infrastructures. The challenge is to design and validate a prototype to be tested on channels or marine currents/tides.

Objectives: The solution would be designed to allow for energy harvesting from renewable sources. The dimension of the prototype would be small in order to test it without relevant ancillary infrastructures and results can be extrapolated for installations of multiple prototypes. A small dimension will allow for the utilization of composite and recycled materials to lower the carbon footprint.

Cooperation opportunities: The company is looking for research capabilities to contribute to the early research activities, and for end users to contribute to the later stage of development, in order to test the prototype and validate the results to reach TRL 5.

More info: For more information please contact carlo.kraskovic@marefvg.it or alessandro.bosco@marefvg.it

Point of contact for the brief/challenge:

Maritime Aerospace Renewable Energies Technology Cluster FVG

Company position in the value chain: Tier 2