Interreg Co-funded by the European Union

Italy – Croatia

ECCENTRIC

Large-Scale 3D printing materials for leisure boat hull manufacturing

Sector: Marine infrastructures

Short description of the needs:

New IFOG Engineering specialises in advanced naval engineering and marine vehicle electrification and is interested in introducing large-scale additive manufacturing as an innovative approach to the construction of recreational boat hulls, reducing production times and costs associated with moulds and equipment. The main challenge is to identify polymer and/or composite materials suitable for large-format 3D printing that combine low cost, process stability and structural performance in a marine environment. Work will focus on optimising rheology and adhesion between layers to ensure dimensional stability and reduce deformation or defects, as well as testing mechanical properties, impact, durability and long-term performance in operating conditions. New IFOG Engineering is interested in collaborating with material developers, compounders and research institutions for formulation, process optimisation, testing and qualification for industrial adoption.

More info: For more information apply to eccentric@imast.it

Company: **New IFOG Engineering S.r.l.**

Point of contact for the brief/challenge: IMAST - High Tech District on Engineering of Composite Materials and Polymers

Company position in the value chain: OEM