



GWALENN DU

TECHNOLOGY BEHIND NEW, RECYCLABLE MOULDS FOR LEISURE EQUIPMENT

The manufacture of composite moulds based on non-recyclable thermoset materials for fishing rods and sailing equipment, such as masts, battens and booms, has been around for decades.

The GWALENN DU project will develop an innovative, pioneering process designed to produce a range of high performance fishing rods and masts made from 100% recyclable materials. The key aim is therefore to limit the environmental impact of manufactured products in response to end-user expectations and, at the same time, to improve their performance.

The project will also examine the potential for personalising products and consider how to create a strategy for recalling end-of-life products for recycling.

This new method of designing and deploying recyclable, high performance materials will be adapted for a wide market in added-value sports and leisure equipment, including that targeted by GWALENN DU products for fishing rods and sailboard spars and masts.

Partners

Companies

Filiish, Guipavas [Project Developer]
IRMA, Ploemeur
Nautix, Guidel

Research center

Université de Bretagne-Sud, Laboratoire
IRDL (Institut de Recherche Dupuy de
Lôme), Lorient

Funders

- FEDER
- Région Bretagne
- Lorient Agglomération
- Brest Métropole

Labelisation

24/05/2019

Overall budget

1 009 k€