Case Study

SEAFUEL – Fostering renewable energies and energy efficiency

SEAFUEL	
SEAFUEL aims to use the renewable resources across the Atlantic Area to power the local transport fleet and support the shift towards a low-carbon economy. The project will use the expertise and infrastructure of the partners in renewable energy, namely solar, wind and marine, to demonstrate the viability of hydrogen as a fuel to be used by the local transport authorities. Success of the project will promote a sustainable transport system that can be adopted by other Atlantic regions.	

The project partners have expertise in many forms of renewable generation, solar, wind and marine, and hydrogen technology and the project will demonstrate the viability of hydrogen as a fuel for local transport authorities. Its success will promote a sustainable transport system that can be adopted by other Atlantic regions.

Logan Energy, as one of the project partners, is designing, building, commissioning, demonstrating and implementing the hydrogen technology installations for the SEAFUEL project. The hydrogen production and storage and the hydrogen cooling and dispensing systems will have all the relevant certification. Logan Energy will also ensure that local operatives will be trained so that have a working knowledge of the installations. All planned preventative maintenance until 2020 will also be undertaken by Logan Energy.

Once the project is completed, Logan Energy will support the other project partners and the project leaders with the feasibility of transferring the technology to other regions.

Deliverables: • H_2 energy storage • H_2 compression • Hydrogen Refuelling Station	Achievements: • PEM electrolyser operation at warm temperatures	Benefits: • H_2 used as a fuel for a local fleet