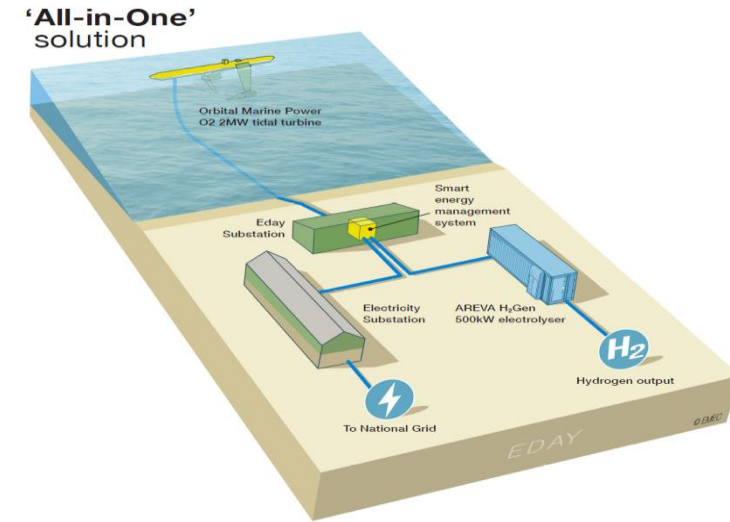


**Description of technology/business model:** The ITEG project will adopt three low carbon technologies to demonstrate a combined tidal energy and hydrogen production solution for clean energy generation in remote areas facing grid export limitations.

The ITEG project has a budget of € 11m until 2020 and contributes to the programme's Low Carbon thematic priority.

Led by EMEC, the ITEG project is made up of a consortium of leading research institutions, regional development agencies, tidal energy and hydrogen infrastructure developers spanning four countries in North-West Europe: UK, France, Netherlands and Belgium.



Company/ Institution	European Marine Energy Centre
Revenue streams	Energy generated to the grid, curtailed energy stored in hydrogen and distributed locally
Projects	Integrating Tidal Energy Into the European Grid (ITEG)
Capacity (MW)	2MW Tidal Turbine / 500KW Electrolyser with the ability to ramp up to 1MW
Additional benefits	Green Hydrogen, Job Creation, Reduction in GHG, Support Hydrogen Economy
CAPEX (range)	8m Euro's
LCOE (range)	
Lessons Learned	Large scale project with large associated risks