

INGINE Wave Energy Systems



Contact	<p>Jeff Sungwon LEE Unit 3 Freswick House, Forss Energy Park KW14 7UZ Forss (UK) jeff@inginewave.co.uk</p>
Secteurs	<ul style="list-style-type: none"> > Marine Renewables (i.e. generation of electricity from tidal and/or wave power)
Solution développée	<p>The INWave™ is an innovative onshore-type wave energy converter (WEC). Its scalable modular system can adapt to site conditions as well as to local demand - with installations ranging from 25kW to multi-MW in capacity. An INWave™ module is composed of a floating buoy nearshore, which harnesses multi-directional wave movements, and a power generating unit onshore. Efficient and stable in coastal waters as well as free of any expensive submarine cabling, the INWave™ offers a sustainable and affordable path to energy security and independence for island and coastal communities.</p>
Solution ou service lié au secteur des solutions intelligentes écoénergétiques ?	
Solution ou service adapté à un réseau de type smart-grid ?	
Besoin pour que la solution soit mise en œuvre et opérationnelle	<p>In terms of site conditions, the floating unit(s) should be located no further than 150 meters away from the shoreline. At that point, the water depth should not be lower than 3 meters or greater than 50 meters. The chosen site's wave energy resources should not be under a yearly average of 5kW/m, nor above a yearly average of 50kW/m.</p>
Impacts socio-économiques positifs liés à la construction, la mise en œuvre et l'exploitation de votre solution favorisant la participation de fournisseurs / parties prenantes locaux	<p>The INWave™'s floating unit is to be manufactured locally. Plant construction is handled by local contractors, creating economic opportunity. In order to ensure local ownership, their engineers can provide training to local technicians for the continuous operations and maintenance of the power plant, therefore contributing to long-term job creation (2 to 5 per power plant). Following commissioning, area residents are set to be provided with stable, affordable and clean electricity generated from waves.</p>
Capacité à interagir avec les ONG, le grand public, les résidents, etc. et, si nécessaire, à trouver un compromis pour maximiser l'acceptation sociale	
Adaptabilité de la mise en œuvre de la solution ou du service à divers territoires isolés	