Belfast City Council

CITY GROWTH & REGENERATION COMMITTEE

Subject:	Request to present - Artemis Technologies
Date:	12 October 2022
Reporting Officer:	John Greer, Director of Economic Development
Contact Officer:	Cathy Keenan, Enterprise and Business Growth Manager

Restricted Reports				
Is this report restricted?	**Yes**		**No**	X
If Yes, when will the report become unrestricted?				
After Committee Decision				
After Council Decision				
Some time in the future				
Never				

Call-in				
Is the decision eligible for Call-in?	**Yes**	X	**No**	

1.0	**Purpose of Report or Summary of Main Issues**
1.1	The purpose of this report is to seek approval for Artemis Technologies to present an update to the City Growth and Regeneration Committee on 12 October 2022 on the Strength in Places-funded Belfast Maritime Consortium programme and development of Artemis eFoiler™.
2.0	**Recommendations**
	The Committee is asked to: – Note the contents of the report and the progress to date; – Agree to receive a presentation from Artemis Technologies on the Artemis eFoiler™ project at a future meeting.

3.0	**Main Report**
3.1	Members will be aware that the Belfast Maritime Consortium (BMC) led by Artemis Technologies was awarded £33 million in 2020 from the UK Research and Innovation flagship Strength in Places (SIP) Fund.
3.2	BMC are using this funding to launch the world's most advanced high-speed zero-emission passenger ferry and develop the technical and operational requirements for a maritime transport system of the future. The project costs are £53million (of which £33million in grant funding) with a timeframe from September 2020 – 31 January 2024.
3.3	The funding, combined with significant further co-investment from consortia members, will enable the development of the world's most advanced high-speed electric ferry, propelled by the Artemis eFoiler™, a revolutionary electric hydrofoiling propulsion system. Green hydrogen power will be utilised in this transformative technology.
3.4	The consortium members currently include: Artemis Technologies, Spirit Aerosystems, Creative Composites, Condor Ferries, Belfast City Council, Ards and North Down Borough Council, Power NI, Belfast Harbour, Queen's University, Ulster University, Belfast Met, Invest NI, Catalyst and NI Advanced Composites and Engineering (NIACE).
3.5	As part of the project, Artemis Technologies have also developed and launched globally a 100% electric high-speed foiling workboat prototype from the company's research and manufacturing facility in Belfast. The 11.5 metre vessel named "Pioneer of Belfast" is powered by the Artemis eFoiler® system, which enables the prototype to fly over the water, using less energy than a conventional workboat and incorporting high-speed re-charging technology. In addition they have several high-speed zero-emission vessels in development that will transform the commercial workboat and city-to-city passenger ferry sectors. These projects will help deliver on a sustainable maritime future.
3.6	Through the project, Artemis and consortium partners have made a number of commitments which aim to engage individuals across the city, creating pathways to highly skilled jobs, inspiring the next generation and positioning Belfast as a global leader in zero emissions maritime technology. This has included working in partnership with Belfast City Council, Maritime UK and other partners to develop a programme of outreach initiatives to showcase the maritime sector, encourage participation in the sector from young people across the city and provide an educational pathway to rewarding careers. This will include activity through

	the council's existing schools interventions and employability programmes and profiling opportuntites at National Apprenticeship Week.
3.7	Through the collaboration, Artemis and Belfast Met have also put in place a new apprenticeship programme which accepted the first cohort of 7 students in 2021. This programme aims to build a pipeline of skills to support the development of this new class of zero emission craft. A second intake of 7 apprentices will take place this September 2022 and a further 7 in 2023 in "Apprenticeships in Advanced Manufacturing Engineering" (Artemis). The aim is to increase the intake as manufacturing increases beyond 2023. The company currently employs 60 people and, with the development of a range of green transport solutions, it anticipates 1,000 jobs being created over the next decade.
3.8	In addition to this, through our role as a consortium partner, Belfast City Council is supporting the project to put in place a pilot project which will provide a zero emission foiling ferry service between Belfast and Bangor. This is expected to be operational in 2023.
3.9	The purpose of this presentation is to provide members with further detail on the work programme aligned with the project, ongoing outreach activity and opportunities for the city.
3.10	<u>Financial and Resource Implications</u> There are no financial implications attached to this report.
3.11	<u>Equality and Good Relations Implications/Rural Needs Assessment</u> There are no Equality or Good Relation Implications/rural needs issues attached to this report.
4.0	**Appendices – Documents Attached**
	None