



Making waves in marine energy

Plymouth is committed to growing its world leading marine energy sector building upon its considerable marine, academic and R&D strengths.

As a lead partner in the South West Marine Energy Park, which is a private-public sector partnership, Plymouth will play a key role in its development to create a positive business environment to foster business collaboration, attract investment and accelerate the commercialisation of the marine energy sector.

Plymouth is ready for investment

Plymouth is the regional capital for the South West peninsula, a distinctive and dynamic city that has a track record of success.

Ambitious and future focused, the city is experiencing rapid change as it becomes recognised as one of the finest, most vibrant waterfront cities in Europe.

World-class marine expertise

Plymouth is a global centre of excellence for marine industry and marine renewables research with one of the largest clusters of experience in marine sciences, education, engineering and technology in Europe.

Plymouth has a global reputation in marine sciences, including:

PML Applications Ltd - a division of Plymouth Marine Laboratory (PML), an independent marine research laboratory with a 35 year track record of innovative and world leading science. PML recently ranked #8 worldwide (Thomson Reuters) and through PML Applications, is using its science to support the offshore renewables industry.

The Marine Biological Association of the UK - advancing marine science through research, communication and education since 1884, is therefore well-placed to address the opportunities and challenges for our seas and oceans in the 21st century. The current research programme reflects the wide-ranging commitment of the Association to the development of marine biology.

PRIMaRE (Peninsula Research Institute for Marine Renewables Energy) – is a partnership between Plymouth University and the University of Exeter, a centre of excellence delivering world-class research and technology transfer in marine energy, which boasts one of the greatest concentrations of marine academics in the world.

Plymouth University - 2,600 students enrolled in marine-related undergraduate and post graduate studies - the Marine Institute brings together scientists, business professionals, leading edge analytical facilities and collaborative research opportunities. Supported by over 400 project scientists, specialists and other university staff, this institute has the broadest portfolio of marine expertise in Europe.

Internationally renowned marine businesses

Plymouth is home to more than 300 marine-related businesses and the sector employs around 13,600 people, making up 11.3% of all employment in the city.

A diverse range of hi-tech companies are already based in Plymouth including Babcock Marine, the UK's leading engineering support services company with 4,650 staff, and Princess Yachts International with almost 2,000 employees.

Plymouth is also home to more marine specialist, innovative companies, high value science and technology professionals, skilled metal trades and electronics. These businesses embrace a wide range of skills from advanced manufacturing, composites and engineering, to consultancy and offshore support services. These companies include:

“The breadth and depth of Plymouth’s marine sector is something we draw upon daily to help us stay at the top of our game as the UK’s leading support services company, trusted by customers around the world.”

Archie Bethel, Divisional Chief Executive, Babcock Marine

Pipex px® - unique manufacturing capabilities to construct products and complete systems, using highly corrosion resistant thermoplastics and advanced composites.

“*Pipex px® design & manufacture corrosion resistant, composite and thermoplastic products, widely used in marine energy applications. Subsea cable protection & piping systems, composite structures and unique manufacturing capabilities enable Pipex px® to provide innovative solutions. Plymouth is a superb location for business growth.*”

Patrick Forster, Business Development Manager, Pipex px®

Manuplas Ltd - a custom-focused contract manufacturing company, with over 20 years experience in composites manufacturing.

“*Manuplas’ cutting edge engineering and composite solutions for off shore wind farm operation and maintenance are an asset to the South West’s developments in the evolving renewables industry. Our array of specialist capabilities includes wind farm support vessel fendering systems and turbine pile protection solutions.*”

Stephen Ward, Technical Director, The Manuplas Group Ltd.

Plymouth’s unique assets

Plymouth University’s Marine Sciences Building will house two wave and tidal tanks to model coastal and deep ocean conditions.

The ocean tank is one of the deepest, and most sophisticated in Europe with multi-directional waves and variable direction currents to model complex deep water environments. Dedicated technical support and office facilities, for up to 150 marine institute researchers and technology developers.

Port of Plymouth - (Cattewater, Sutton Harbour, Millbay and Devonport) represents one of the South West’s and UK’s largest and most diverse ports.

Plymouth has a unique mix of sites to meet investors’ needs, including:

Tamar Science Park - which hosts some of the most innovative science, technology and knowledge-based businesses in the South West, including those involved in the marine energy sector.

Millbay Plymouth - offers great investment potential with its deep water berths, alongside storage and maintenance facilities.

South Yard within Devonport Dockyard - which has the potential for a marine related cluster.

Recent research has highlighted the city’s growth potential:

NESTA research showed that Plymouth ranked 8th highest in the country on the proportion of businesses classed as ‘high-growth’, alongside the likes of Oxford and Cambridge.

Experian ranked the city 46th out of 324 local authorities on the abundance of ‘business champions’ defined as young, small but rapidly growing firms with directors that show entrepreneurial skill, appetite for business risk and real international outlook.



Plymouth International Marine City

A city to invest in

As a dynamic and future focused international marine city, with a strong focus on stimulating growth in marine and renewables, Plymouth provides investors with a compelling reason to seek out investment opportunities that leverages Plymouth's greatest assets.

With excellent road links to the M5 and motorway network, and on the main rail network to London Paddington, plus international airports within close proximity, Plymouth is well connected and within easy reach for UK and international business.

The city has an ambitious transport plan, which continuously drives improvements and enhancements to its road and rail networks.

GAIN, the Growth, Acceleration and Investment Network, is becoming firmly established as the primary vehicle for inward investment and growth activity in knowledge-based businesses.

It aims to accelerate growth and investment in high quality businesses and ideas, creating wealth and jobs in Plymouth and the wider South West Peninsula.

"PML Applications works with developers, manufacturers and end-users of anti-fouling technology worldwide, currently it is assessing the effects of biofouling on the marine energy industries, such as assessing the performance of comparative technologies on turbines through the ETI's ReDAPT project (led by Rolls Royce and including Tidal Generation Ltd). The unique relation between marine science and the maritime industries which Plymouth has to offer make this city an ideal location for our company".

Dr Peter Hughes, Commercial Director, PML Applications Ltd

Plymouth is taking the lead, and has aligned its key private – public sector partners to drive its ambition forward, for a world-class ICT infrastructure which will deliver advanced and more cost effective connectivity for the city.

Plymouth is a proactive unitary local authority, which offers a business friendly planning policy and approach to investors. Companies and investors can be assured of a warm welcome, including a professional business support service.

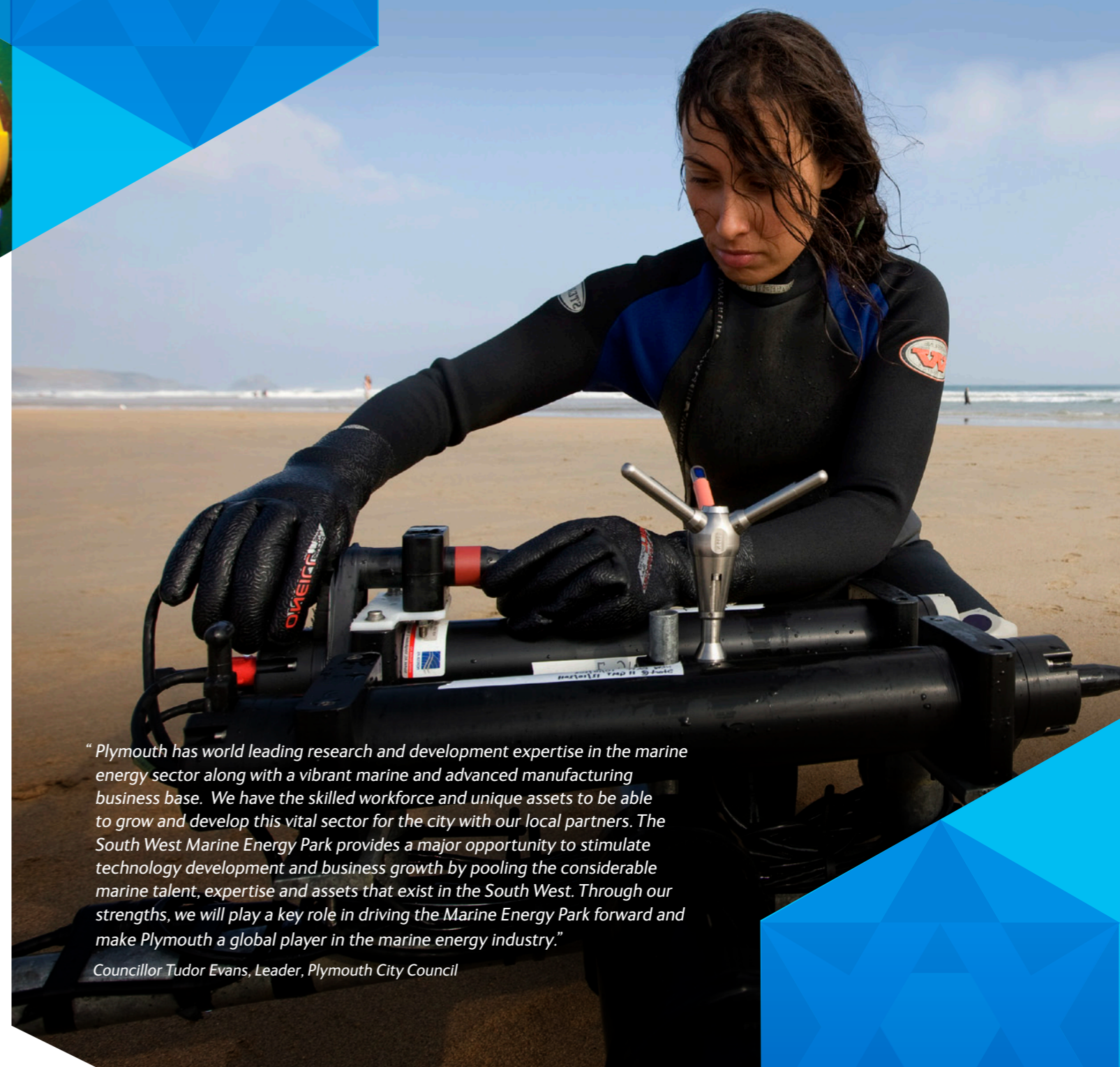
Take action

To find out more information about what Plymouth offers the marine energy sector, or to discuss how our business support service can help meet your business needs, please contact:

Economic Development Team

T +44-1752 305452 E invest@plymouth.gov.uk

W plymouth.gov.uk/economicdevelopment or positivelyplymouth.com



"Plymouth has world leading research and development expertise in the marine energy sector along with a vibrant marine and advanced manufacturing business base. We have the skilled workforce and unique assets to be able to grow and develop this vital sector for the city with our local partners. The South West Marine Energy Park provides a major opportunity to stimulate technology development and business growth by pooling the considerable marine talent, expertise and assets that exist in the South West. Through our strengths, we will play a key role in driving the Marine Energy Park forward and make Plymouth a global player in the marine energy industry."

Councillor Tudor Evans, Leader, Plymouth City Council



Positively Plymouth