

Pembroke Dock Marine

Facilities and services that unlock growth





**Marine Energy
Engineering Centre of
Excellence
(MEECE)**

**Port
infrastructure
enhancements**

**Marine Energy
Test Areas
(META)**

**Pembrokeshire
Demonstration
Zone
(PDZ)**

CATAPULT
Offshore Renewable Energy


Port of
Milford Haven


MARINE
ENERGY WALES


Wave Hub

Fully established office in the Bridge Innovation Centre in Pembroke dock, with 9 staff:

Programme Manager

Neil Ellsmore

Professional Services

Michelle Hitches (0.8FTE) – Finance & PM

Francesca Robinson - Procurement

Innovation Managers

Corey Palmer (0.6FTE)

Joseph Kidd (0.6FTE)

Magnus Harrold

Based in North Wales, Q2 2020

Research Engineers

Rachel Dorrington – Mechanical Engineer

Arne Vogler – Lead Engineer

Deri Lamb – Coastal & Civil Engineer (placement)

+ 1 Electrical – advertising soon

+ 1 Electronic – advertising soon

Technician

Q2 2020

Currently delivering two Innovation Projects

Project pipeline of more than 10 companies with credible project scopes

Negotiating with PCC to lease 2000 sq.ft workshop space

Formally convene MEECE consortium

- The university Joint Beneficiaries are unable to sign a collaboration agreement without confirmation of City Deal funding.
- Lack of access to university resources is affecting our ability to deliver Innovation Projects
- Universities need time to recruit and to be able to offer 3-year contracts, and need to stay within the WEFO time limit of end of June 2023.

Complete MEECE Mobilisation Period before drawing down WEFO funding

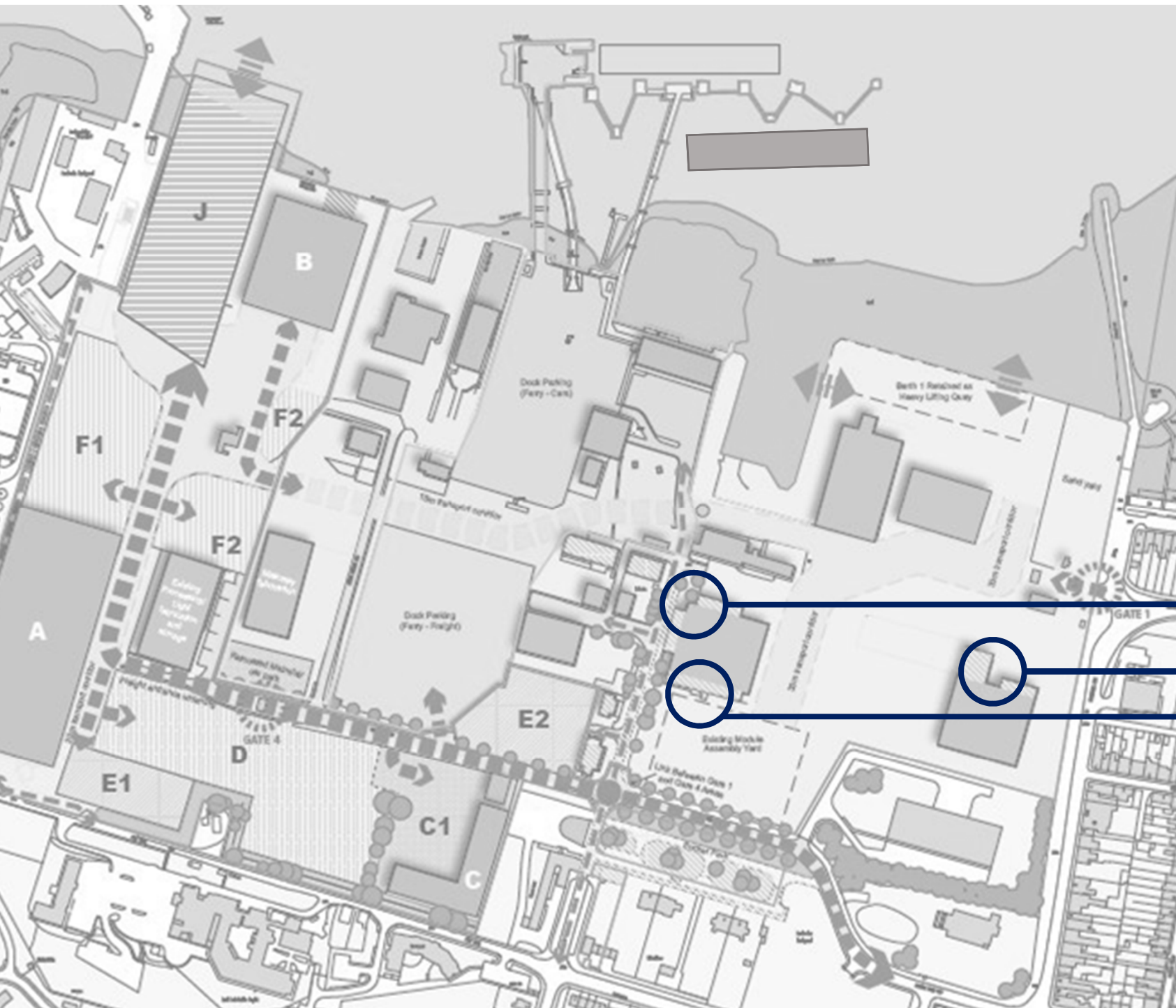
- Confirmation of City Deal funding is a Mobilisation target
- Delay on City Deal funding is causing cash flow problems for Catapult

Reprofile MEECE and PDM financial delivery plans

- Every month of delay to City Deal approval changes our delivery profiles
- Need to accommodate restricted ability of PCC to fund revenue expenditure
- PDM partners have already claimed Capital expenditure from WEFO, making that spending ineligible for support from City Deal.

Formally convene PDM consortium

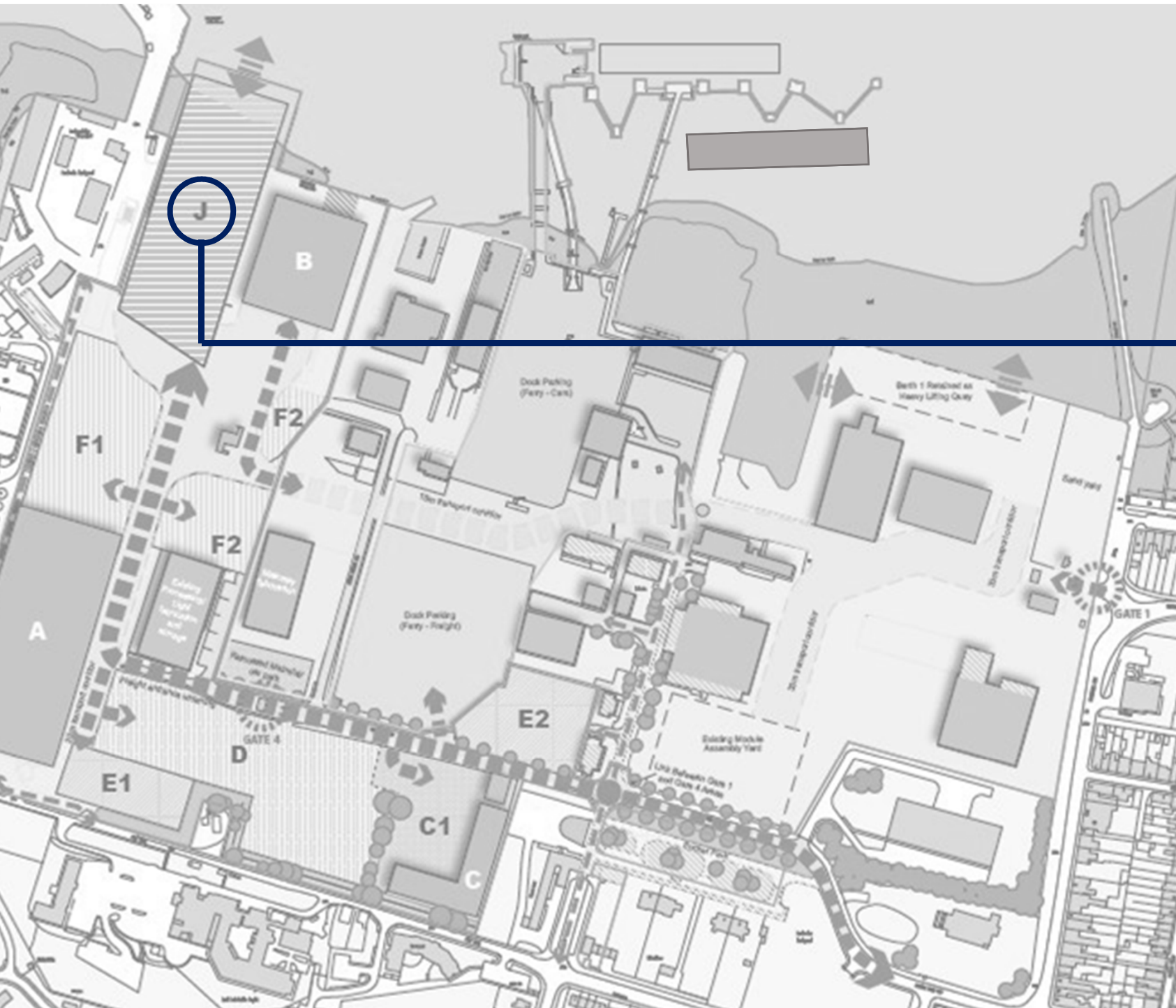
- Need contractual details from PCC



Office and light worksh Spaces

Redevelopment of heritage assets to provide office spaces

Detailed Design underway with one annex pre-let to engineering company



Slipway

Slipway and
Transition Area
13,051sqm

Tendering for Detailed
Design services
currently

META

MARINE ENERGY TEST AREA
ARDAL BROFI YNNI MOROL

fa
au'r
tal
ities



CREATING A HAVEN FOR MARINE ENERGY
CREU HAFAN AR GYFER YNNI MOROL



UNDEB EWROPEAIDD
EUROPEAN UNION

Cronfa Datb
Rhanbarthol
European Re
Development

META's Mission

DEPLOY ► DE-RISK ► DEVELOP

- To reduce the time, cost and risks faced by marine energy developers in order to accelerate growth in the sector.
- To complement the existing test centre network present across the UK, including the two Welsh Demonstration Zones.



RANGE OF TEST SITES

Fully licensed test site for ocean energy devices, components and subassemblies



UNIQUE LOCATION

Proximity to deep water port and associated infrastructure



EXCELLENT SUPPLY CHAIN

Experienced energy supply chain specialising in marine energy, petrochemicals, liquified natural gas, manufacturing and marine operations



RESEARCH AND INNOVATION

Supporting research, innovation & monitoring methodology projects

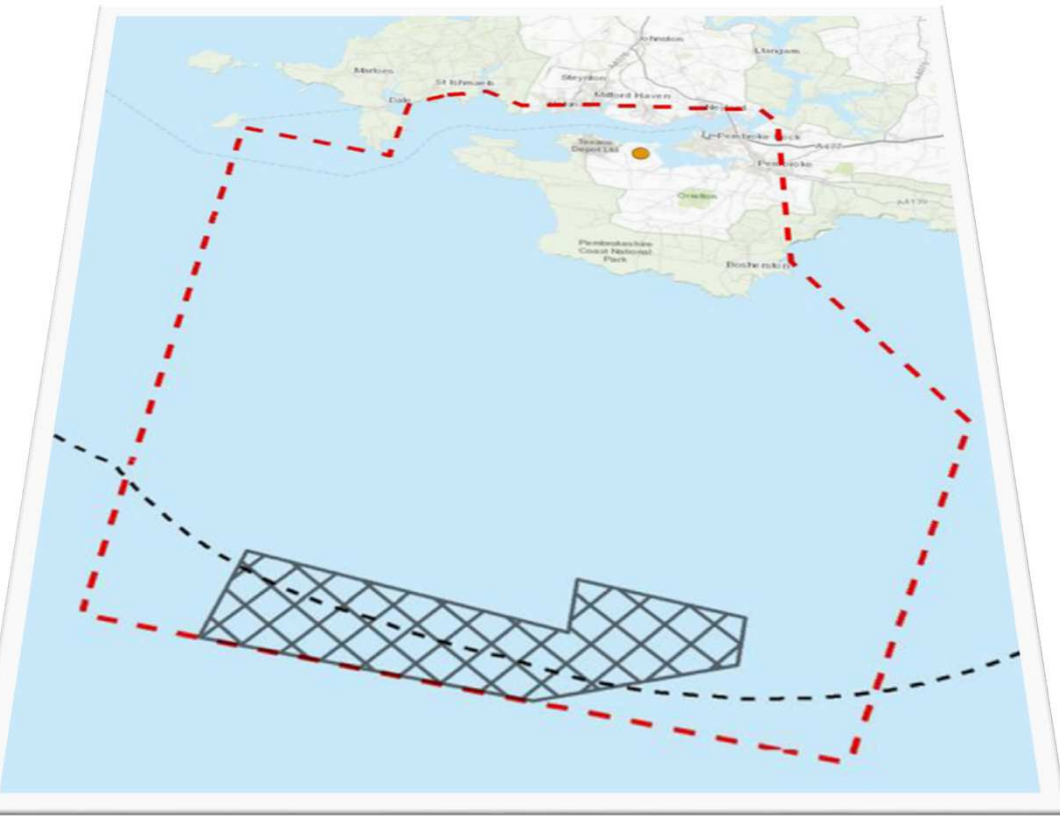
Progress over the last 12 months

META Phase 1 open for business. Launch event with Jeremy Miles, AM in September 2019

META Phase 2:

- Defined envelope of parameters
- Environmental Impact Assessment concluded and Env Statement produced
- Marine License Application submitted to NRW in December 2019
- Planning Application submitted to Pembrokeshire County Council
- HOT's drafted with The Crown Estate
- Operational procedures compiled
- Community Engagement and Education Workshops
- Next Steps = EMEC secondment to ID opps for verification / work with NRW & PCC/POMH to obtain planning consents / finalise leases with the Crown Estate / Collaborate with MEECE, SELKIE and TIGER to maximise value

Pembrokeshire Demonstration Zone



The purpose of the PDZ is to;

- Act as a catalyst in the establishment of a centre for low carbon, at sea, energy production in Wales,
- Develop strategically enabling infrastructure to accelerate the development of offshore energy off of the coast of Wales,
- Enable the deployment of current and future energy generating technologies, up to a capacity of 180MW, to generate green electricity from the sea.

Wave Hub

Pembrokeshire Demonstration Zone



Progress over the last 12 months;

- Secured an offer of funding from WEFO for up to £2.9m (subject to SBCD match),
- Undertook Basis of Design exercise to consider scoping opinions and firm up design requirement,
- Widespread engagement with Stakeholders to ensure project develops in line with market conditions,
- Developed roles for 2 FTE to be based in Pembroke. Recruitment to start imminently.