

Appendix 1

Swansea Bay City Region – City Deal Proposed projects summary

Project title: The Internet Coast – Digital Infrastructure

Lead / Partners / Joint Partners:

Joint Partners: Neath Port Talbot CBC, CC Swansea, Pembrokeshire CC, Carmarthenshire CC, Swansea University, University of Wales Trinity St David (UWTSD), ABMUHB & Hywel Dda

Funding:

Investment requested from City Deal - £25

Match funding from other sources - £30m

Total Project Value - £55m

Project Summary:

The Internet Coast (Infrastructure and Test Bed) programme will be an enabling programme with the following aims:

- Placing the City Region at the forefront of strategic global trends
- Developing large markets
- Giving SBCR a true Unique Selling Proposition, differentiated from other regions in competitive World-wide industries
- Developing an offer which builds on the region's asset base and core strengths but also adds to the wider economic benefits previous investments in SBCR have generated
- Delivers a 'hyper-connectivity' agenda for the entire region with the aim of achieving 100% coverage and access to next generation broadband services, focus will be on rural & urban
- Underpins the development of CENGS and delivery of the integrated thematic priorities and projects of the City Deal focusing on health & wellbeing, energy and economic acceleration

Project title: Swansea City and Waterfront Digital District

Lead / Partners / Joint Partners:

Lead: CC Swansea

Partners: Swansea University and University of Wales Trinity Saint David (UWTSD)

Funding:

Investment requested from City Deal - £50 million

Match funding from other sources - £118.2million

Total Project Value - £168.2 million

Project Summary:

- The Swansea City and Waterfront Digital District project aims to create a vibrant and sustainable city centre that facilitates the growth of higher value activities (particularly tech businesses) and acts as a key driver for the regional economy
- The City and Waterfront Digital District builds upon a critical mass of ICT and associated knowledge-based enterprise and academic expertise already developed across the City.
- The proposal draws upon strongest available regional communication links, adjacencies to two vibrant universities, and the urban centre of the regional conurbation.

Project title: Creative Digital Cluster – Yr Egin

Lead / Partners / Joint Partners:

Lead: University of Wales Trinity Saint David

Partners: Carmarthenshire County Council, S4C

Funding:

Investment requested from City Deal - £5m

Match funding from other sources - £19.3m

Total Project Value - £24.3m

Project Summary:

Yr Egin involves the construction of a creative and digital hub within the Carmarthenshire region and the development of a Creative Sector cluster to further support the economic regeneration of the City Region building on the decision by S4C, the native language broadcaster, to establish a significant presence in Carmarthen as the anchor tenant in the building. SMEs will be engaged as tenants who will, along with S4C, enable real, tangible economic growth and job creation in the area. This is supplemented by the University's commitment to enhancing training provision and fostering innovation partnerships. Phase 1 of the project commenced in July 2015, will be on site by December 2016, and will be available for occupation in early 2018. This submission seeks City Region funding support for Phase 2 which will comprise the expansion of Yr Egin, onto adjacent land in the University's ownership, catering for additional tenant demand.

Project Title: Centre of Excellence for Next Generation Services (CENGs)

Lead / Partners / Joint Partners:

Lead: Neath Port Talbot CBC, CC Swansea, Carmarthenshire CC & Pembrokeshire CC, Swansea University, University of Wales Trinity Saint David, ABMUHB, Hywel Dda Health Board

Partners: TATA & Swansea University (SPECIFIC project)

Funding:

Investment requested from City Deal - £23m

Match funding from other sources - £32.5m

Total Project Value - £55.5m

Project summary:

CENGs will provide a data analytics capability to turn world class data sourced innovation into commercial systems and solutions establishing a leadership position for Wales and the UK. Initially focused on the domain of Internet of Health and Wellbeing and Internet of Energy, the core objective is to transition 'ideas' to private sector job creation and wealth generation.

The project consists of the following:

- Development of the SBCR CENGs Technology Centre at Baglan which will provide a hub for innovation, linking the scientific community with industry and government partners. It will build on current research and development activities and would house the Swansea Bay City Region Centre of Excellence for Next Generation Systems (CENGs) (see below); SBCR core regional team as well as a range of office space together with step-up / step-down laboratories
 - The second element of the project will establish, over a seven year period, a self-financing UK Centre of Excellence for Next Generation Services (CENGs) which acts as a commercialisation hub for systems and solutions
 - The provision of this capability will allow entrepreneurs and innovators drawn from a range of different sources and institutions to concentrate their efforts on delivering solutions without having to build their own platform, thus accelerating the number of ideas and opportunities which we can take to market.
 - CENGs will be staffed with a mix of commercial and technical experts focussed on realisation and commercialisation of innovative ideas generated by others.
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Project Title: Life Science and Wellbeing Campus Network

Lead / Partners / Joint Partners:

Lead: CC Swansea

Partners: ARCH partnership (ABMUHB, Swansea University, Hywel Dda UHB, Private Sector)

Partners/Private sector investment consortium

Funding:

Investment requested from City Deal - £15 million

Match funding from other sources - £30 million

Total Project Value - £45 million

Project Summary:

The ARCH programme has defined a campus and village Life Science & Wellbeing network to support growth of the Life Sciences and Wellbeing sectors. The 'Campuses' will build upon the successful Institute of Life Science initiative, providing a world-class integrated research & business incubator/park secondary/tertiary clinical, research and trials environment, and skills development centres. These hubs will strengthen the regional capacity to commercialise research, attract additional inward investment and further increase export of high-value services and goods such as medical devices.

Project Title: Life Science and Well Being Village

Lead / Partners / Joint Partners:

Lead: Carmarthenshire CC

Partners: ARCH Partners/Private sector investment consortium (additional partners including Coleg Sir Gar/Scarlets)

Funding:

Investment requested from City Deal - £40 million

Match funding from other sources - £159.5 million

Total Project Value - £199.5 million

Project Summary:

- The Llanelli Life Science and Wellbeing Village will comprise an Institute of Life Science, sports and leisure facilities, a primary/community care facility and critically an education and skills development capability integrated across the on-site services.
- The Llanelli Life Science and Wellbeing Village aims to deliver transformational social and economic benefits through delivering the full

scope of the Life Science and Wellbeing Village definition, namely the integration of business development, education, wellness initiatives, research and development and healthcare initiatives.

The village in Llanelli will be operational during the first five year period of the programme.

Project Title: Delivering Homes as Power Stations

Lead / Partners / Joint Partners:

Lead: Neath Port Talbot CBC, CC Swansea, Carmarthenshire CC, Pembrokeshire CC.

Partners: Swansea University

Funding:

Investment from City Deal - £15m

Match funding from other sources - £502m

Total Project Value - £517m

Project Summary:

The project will create a new industry based around innovative and sustainable energy generation, combined with storage and efficiency. New technologies developed and/or applied within the region are allowing homes and buildings to generate, store, and release their own energy. This is creating entirely new value chains stretching from world-leading research to applications for strategic heavy industry. A major aim will be to reduce fuel poverty and its impact on health. There will also be a focus on broadband Internet connections and smart metering, and the potential for links to a local authority led ESCO (Energy Supply Company).

The project will initially develop a cluster in Neath Port Talbot to catalyse a supply and value chain, which will deliver jobs with the construction supply chain, from new build and retro fit activities and developing inward-investing and spin-out opportunities. The initiative will then progress across the region.

Project Title: Pembroke Dock Marine

Lead / Partners / Joint Partners:

Lead: Milford Haven Port Authority

Partners: Marine Energy Pembrokeshire (META), Offshore Renewable Energy –Catapult (MEECE) and Wave Hub Ltd (SPDZ)

Funding:

Investment Requested from City Deal – £28m

Match funding from other sources – £48.3m

Total Project Value - 76.3m

Project Summary:

- Pembroke Dock Marine will deliver a thriving marine energy centre positioned to exploit existing expertise and proximity to resource.
- By creating a unified, dedicated development and delivery site key long term objectives can be reached, regional economic growth increased, creation of specialist skills base with export potential, bring down the cost of energy for marine sourced energy and ensure UK energy security.
- Pembroke Dock Marine brings together four key elements to concentrate, innovate, collaborate and generate a world class marine energy base in Wales – capable of taking developers from start-up to deployment and onwards to ongoing operations and maintenance.
- Close to some of the world’s best marine energy sources and with an existing specialist skill base and relevant infrastructure, this project will play an important part in making marine derived energy both cost effective and reliable – ready to help protect UK energy security.

Project Title: Factory of the Future

Lead / Partners / Joint Partners:

Lead: Swansea University/Industry Consortium

Partners: Wider Supply/Value Chain Industry Partners

Funding:

Investment requested from City Deal - £10m

Match funding from other sources - £13.5m

Total Project Value - £23.5m

Project Summary:

The Factory of the Future is crucial to supporting existing business owners in the region and building upon its strong manufacturing base. The region will create a Smart Manufacturing network bringing together disparate sectors ranging from heavy industry to complex microelectronics assembly to consumer products and food. This industry led initiative will create an ecosystem capable of manufacturing the innovative products developed within the region and also attract inward-investing manufacturing demand from the UK and globally.

Supporting SMEs to invest in leading edge technologies and harness the opportunities associated with a digital manufacturing revolution. Informed by industry 4.0 principles, and supported by world class industrial innovators, this initiative will put the region and its enterprises at the forefront of this digital and

data based manufacturing movement creating a regional integrated manufacturing ecosystem.

As well as addressing the needs of the region, and will create an ecosystem capable of delivering innovative products/processes/technologies developed within the region for the benefit of the region, but also creating opportunities of expanding/exporting this expertise to the wider world increasing national and international competitiveness for Welsh companies

Project Title: Steel Science Centre

Lead / Partners / Joint Partners:

Lead: Neath Port Talbot CBC and Swansea University

Partners: Industry Partners

Funding:

Investment requested from City Deal - £20 million

Match funding from other sources - £60 million

Total project value - £80 million

Project Summary:

- This project aims to build on regional excellence across the metals sector including Advanced Materials research and it is proposed to create an Open Access Innovation Centre for the Steel sector and its supply chains.
- This Centre will enable the steel sector to grow into a leading edge zero carbon steelmaker with carbon positive products utilising locally generated waste products as a chemical and raw materials feedstock; this is a model that could be exported to all developed economies ensuring a vibrant, innovative and profitable steel sector with regional and national product specialisms Steel technologists will be co-located with academic and research staff from Swansea and key UK partner universities supporting knowledge flow to existing Catapult centres. This innovation capacity will support activities including;
 - *R&D and Process Development for Primary Steelmaking to minimise carbon emissions*
 - *Development of value and supply chain opportunities in new products and processes*
 - *Novel construction material and supply chains into domestic and industrial building typologies*
 - *Environmental and Energy improvement and waste treatment for steel processes and exploring the greater use of recycled materials in the steel manufacturing supply chain*

- The Centre will connect to the wider UK academic ecosystem via the WMG activities and through the four core partners and create a vibrant multidisciplinary environment equipped with state of the art research equipment that will deliver innovative solutions to industry led problems across the UK steel sector. This Centre will help safeguard around 11,000 direct steel industry jobs in Wales and a further 20,000 in the UK steel sector, with the potential to create a further 1000 jobs in the SBCR region.

Project Title: Skills and Talent Intervention

Lead / Partners / Joint Partners:

Lead: Regional Learning and Skills Partnership

Partners: Higher Education; Further Education; Local Authority and Industry partners

Funding:

Investment requested from City Deal - £10m

Match funding from other sources - £20m

Total Project Value - £30m

Project Summary:

- The project will provide an integrated regional approach to delivering sector specific skills to meet the demand of the Swansea Bay City Region – City Deal.
- The Regional Learning and Skills Partnership will undertake a skills gap analysis to identify and quantify existing and new regional skills.
- The project will Influence and Inform the future workforce requirements of the City Region.
- The establishment of a Talent Bank will support the development of sector specific new emerging skills/roles reflecting the new technologies within each of the Internet themes to reflect the real-world opportunities.
- The skills analysis and identification and delivery of new training will be operational during the first five year period of the programme.