

Implementation Plan (Version 22) – Appendix 1

The Swansea Bay City Deal Implementation Plan has been developed to set out the high-level activities that will support the delivery of the Swansea Bay City Deal (SBCD).

The Plan outlines the work of the Joint Committee and supporting structures including programme governance, stakeholder engagement, programme implementation, monitoring, evaluation and indicative milestones for the SBCD programme and its projects.

The Joint Committee will review the Implementation Plan annually, with the first review to take place no later than one year after the approval of the Implementation Plan. Reviews in later years will take place no later than one year after the previous review. The Programme should be managed as a Portfolio, not as a set of predetermined and immutable projects.

Swansea Bay City Deal

1.0 Summary of Programme

The Swansea Bay City Region covers the four local authority areas of Carmarthenshire, Neath Port Talbot, Pembrokeshire and Swansea.

Based on the Swansea Bay City Region Economic Regeneration Strategy 2013-2030, the Swansea Bay City Deal sets out an integrated, transformational approach to delivering the scale and nature of investment needed to support plans for growth in the Region.

The strategic vision is to create a super smart innovation region which will inform and advance solutions to some of the most pressing challenges of modern times in the areas of economic acceleration, smart manufacturing, energy, life sciences and well-being.

The Swansea Bay City Deal is a total investment of £1.3 billion over a period of 15 years. This consists of £241 million from the UK and Welsh Governments, £396 million from other public sector funding, and £637 million from the private sector.

The City Deal provides a once in a generation opportunity to further consolidate the region's role in technological innovation through the creation of interconnected testbeds and living laboratories, designed not only for proof of concept but also for proof of business.

Using the transformational powers of next generation digital technologies, and supported by a programme of tailored skills development, the City Deal will accelerate the region's innovation, technological and commercialisation capabilities to support the establishment and growth of local innovation businesses, while also acting as a catalyst to attract further inward investment.

The strands of innovation, skills and digital infrastructure create synergies across the themes and projects of the Swansea Bay City Deal.

Partnership working



The Swansea Bay City Deal is an excellent example of partnership working between councils, universities and education providers, health boards, the UK and Welsh Governments, and the business community. It demonstrates what collaboration and joined-up thinking can achieve for our citizens.

The City Deal is also a good example of the 5 Ways of Working promoted by the Well-being of Future Generations (Wales) Act 2015. The City Deal will make a significant contribution to the seven well-being goals.

Being a 15-year programme, the Swansea Bay City Deal gives an excellent opportunity to address persistent challenges such as climate change, poverty, inequality, jobs, skills and rurality in a transformational and preventative way.

It is also an opportunity for the four local authorities and City Deal partners as a whole to demonstrate use of the 5 Ways of Working to maximise their contribution to the well-being goals required under the Act, through a major public and private sector investment programme.

The Regional Office has been in discussions with the Office of the Future Generations Commissioner in Cardiff to explore at the outset how the SBCD projects can use the Act as a framework at the design stage of projects. This approach would then ensure contribution of each SBCD project towards the Act's seven Goals, while improving the 5 Ways of Working during project development.

The 5 Ways of Working principles will be used as a starting point for helping projects consider how they can involve people in the project's development, who they should be collaborating with, and what the long-term trends are that need to be considered or addressed.

The Office of the Future Generations Commissioner in Cardiff has developed a specific framework based on the 5 Ways of Working and the seven Well-being Goals. This Framework will allow SBCD Project Leads to use the Act to shape the development and assessment of projects and to drive their design and implementation. It has been shared with each of the Project Leads to assist in identifying improvements that need to be made to ensure the project adheres to the Act, while maximising the future benefits of the Swansea Bay City Deal Programme.

2.0 Outcomes and benefits

The aim of the Swansea Bay City Deal is to create an outward-looking City Region with the innovation, capacity and infrastructure to inform and advance solutions to major regional challenges.

By 2035 we will:

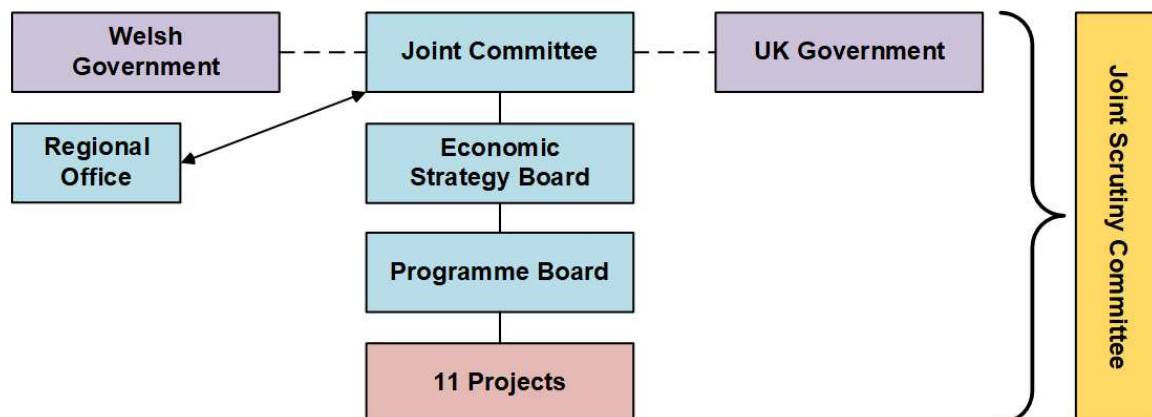
- Transform the regional economy
- Establish and maintain an effective and aligned skills base
- Create, prove and commercialise new technologies and ideas
- Be a recognised regional centre of excellence in:
 - The application of digital technologies
 - Life Science and Well-being
 - Energy
 - Advanced manufacturing

At the end of the programme period, it's estimated the Swansea Bay City Deal will lead to:

- Funding of £1.3 billion (including a £600 million private sector contribution) for interventions to support economic growth across the City Region
- A portfolio of transformational projects throughout the City Region
- A £1.8 billion contribution to regional GVA
- The creation of over 9,465 high-skilled jobs
- Investment spread across the entire City Region to ensure benefits for residents and businesses in all communities, both urban and rural

In addition to the above outcomes, the City Deal will also have wider social and economic benefits at both a programme wide and project specific level. The full detail of all City Deal outcomes and benefits will be set out in a Monitoring and Evaluation Plan that will provide details on the capturing, monitoring and evaluation of key information throughout the City Deal programme.

3.0 Programme Governance set out in City Deal heads of terms



3.1 Joint Committee

The Joint Committee comprises the four local authority Leaders of Carmarthenshire, Neath Port Talbot, Pembrokeshire and Swansea.

The Joint Committee will be chaired by a local authority Leader. Its current chair is the Leader of Swansea Council.

The Chair of the Joint Committee will be elected for a two-year term in the first instance, reviewed annually thereafter.

The Joint Committee has ultimate responsibility and accountability for decisions taken in relation to the Swansea Bay City Deal, in line with the visions and interests of all participating parties and the Swansea Bay City Deal document signed on 20th March, 2017.

The first formal meeting of Joint Committee took place on 31st August 2018 when each of the four local authorities signed the Joint Committee Agreement – a legal document that sets out how the councils will work together.

The head of paid service, monitoring officer and section 151 officer of each of the Councils shall be entitled to attend meetings of the Joint Committee as an advisor, but they shall not have a vote.

The Leaders have agreed to co-opt to the Joint Committee the Chair of the Economic Strategy Board, and one representative each from the University of Wales Trinity Saint David, Swansea University, Hywel Dda University Health Board and Swansea Bay University Health Board. Voting rights will be reserved for the four local authority Leaders.

The Joint Committee meets on a monthly basis and, as set out in the Joint Committee Agreement, its functions include:

- Identifying and introducing appropriate governance structures for the implementation of any projects within the Swansea Bay City Deal programme. This shall include the formation of corporate bodies and any other structures which the Councils can lawfully establish or participate in
- Agreeing and planning the overall strategy for and delivery of the Swansea Bay City Deal programme
- Performance management of the Swansea Bay City Deal programme
- Strategic communications
- Monitoring the City Deal programme's impact
- Reporting of impact to regional local authorities
- Authorising the Accountable Body to commission external support and to oversee the delivery and management of project expenditure
- Progressing a regional approach for the discharge of strategic functions. These functions may include land use, planning, transport and economic development
- Approval and adoption of the Implementation Plan
- Approval of any Implementation Plan deadline extension agreed by the Councils
- Agreeing the terms and conditions of Government funding
- Overseeing the proportion of each Council's responsibility for borrowing to provide funding for regional projects

- Reviewing performance of the Chair of the Economic Strategy Board on an annual basis
- Agreeing the annual costs budget
- Consideration of project business cases, based on recommendations from Programme Board and the Economic Strategy Board
- Determining whether or not to approve the submission of projects to the UK and Welsh Governments for approval/the release of government funds

3.2 Economic Strategy Board

Reporting to the Joint Committee, the Economic Strategy Board (ESB) is made up of representatives from the private sector in key City Deal themes including energy, life sciences, manufacturing and housing.

The Economic Strategy Board acts as the voice of business, providing strategic direction for the City Deal through advice to the Joint Committee on matters relating to the City Region. It also has a role in advising the Joint Committee on opportunities to strengthen the City Deal's impact.

The Chair is accountable to the Joint Committee. Reaching agreement by consensus, the Economic Strategy Board does not have formal decision-making powers.

The Economic Strategy Board meets with the following frequency, or as and when required:

- Quarterly in advance of any Joint Committee meeting; and
- When necessary to deal with business as agreed by the Chair of the Economic Strategy Board.

The Regional Office will arrange for minutes of each meeting to be taken, approved and recorded. Key activities of the Economic Strategy Board include:

- Submitting strategic objectives for the Swansea Bay City Region
- Assessing the individual project business cases against the strategic aims and objectives of the City Deal
- Making recommendations to the Joint Committee on whether or not the project business cases should proceed
- Considering implications of a proposed withdrawal or change of project local authority lead
- Considering any proposal for a new project
- Providing recommendations to the Joint Committee on whether or not the new project proposed should replace the project to be withdrawn
- Determining the process for selecting new projects or reallocating funding
- Monitoring progress of the City Deal's delivery

The Chair of the Economic Strategy Board has been appointed following an open competition exercise. The process of appointing other members of the Economic Strategy Board has taken place through an open recruitment and nomination process, with membership being drawn from across private sector. The Economic Strategy Board membership was agreed through a vote at the first formal meeting of the Joint Committee on 31st August, 2018.

3.3 Programme Board

Accountable to the Joint Committee, the Programme Board consists of the head of paid service

of each of the four Councils, or another officer nominated by the head of paid service. The Programme Board Chair shall be reviewed annually.

The Programme Board may co-opt additional representatives to the Board. Co-opted members may include representatives of Swansea University, the University of Wales Trinity Saint David, Hywel Dda University Health Board and Swansea Bay University Health Board.

The Board was formally established by the Joint Committee at its first meeting.

The Programme Board has four distinct roles:

- Preparing recommendations on the Swansea Bay City Deal programme:
 - Ensuring that all schemes are developed in accordance with the agreed package
 - Analysing each City Deal project's financial viability, deliverability and risk
 - Overseeing the production of business cases.
- Advising on the strategic direction of the Economic Strategy Board
- Overseeing performance and delivery of projects by reviewing progress against agreed milestones, focussing on delivery and financial risks, and identifying any necessary remedial action
- Working on a regional basis to improve public services, especially in the areas of economic development, transport, planning, strategic land use, housing and regeneration

Meetings of the Programme Board will take place on a monthly basis before meetings of Joint Committee and the Economic Strategy Board.

3.4 Accountable Body

In accordance with the Joint Committee Agreement, it was agreed that Carmarthenshire County Council would act as the Accountable Body responsible for discharging City Deal obligations for all regional councils.

The role of the Accountable Body is to:

- Act as the primary interface with the Welsh Government, the UK Government and any other funding bodies
- Hold and release any Government funding in relation to the Swansea Bay City Deal
- Only to use and release these funds in accordance with the terms of the Joint Committee Agreement
- Comply with the funding conditions set out in the Joint Committee Agreement
- Undertake the accounting and auditing responsibilities set out in the Joint Committee Agreement
- Employ Regional Office staff

3.5 Regional Office

Reporting directly to the Joint Committee, the Regional Office plays a co-ordinating and supporting role. It is responsible for the day to day management of matters relating to the Joint Committee and the Swansea Bay City Deal.

Key activities of the Regional Office include:

- Strategic liaison with the UK Government, Welsh Government and policy advisors
- Governance support for all aspects of the City Deal governance structure
- Programme implementation, co-ordination, monitoring and evaluation
- Undertaking research, analysis and reporting as and when requested by groups within the governance structure
- Strategic project co-ordination including advising on and coordinating the development and submission of 5 case business models for City Deal projects
- Liaison and engagement with government funding bodies and programmes, Universities and Health Boards
- Responsibility for managing the identification, assessment, approval, monitoring and evaluation processes for regional interventions and projects
- Communications and engagement management for the Swansea Bay City Deal
- Private sector involvement, business development and inward investment
- The consideration and development of opportunities for additional funding sources to assist in the delivery of regional activities which are complimentary to the SBCD.

3.6 Swansea Bay City Deal reviews

In December 2018, it was announced there would be two reviews into the Swansea Bay City Deal – an external, independent review; along with an internal review.

The findings of both the external review (carried out by Actica consulting) and the internal review (carried out by Pembrokeshire County Council) were published in March 2019.

Joint Committee has agreed to implement all recommendations arising from the reviews, which include:

- The appointment of a new City Deal Programme Director
- The establishment of a new City Deal Portfolio Management Office, led by the new Programme Director
- The management of the City Deal as a portfolio, as opposed to a set of pre-determined and immutable projects
- A redistribution of roles and functions to ensure an equitable balance across the City Deal partnership, each acting as a check and balance for the other

Progress includes the appointment in December 2019 of a new City Deal Programme Director.

Roles and functions have also already been redistributed as below to ensure a more equitable balance across the City Deal partnership:

- Legal and democratic services – Swansea Council
- Finance – Carmarthenshire Council
- Audit – Pembrokeshire Council
- Scrutiny – Neath Port Talbot Council

Carmarthenshire Council will continue as the Accountable Body.

4.0 Joint Committee Work Programme

A detailed work programme has been developed in Gantt format. This will be continually monitored and updated to ensure progress is being made.

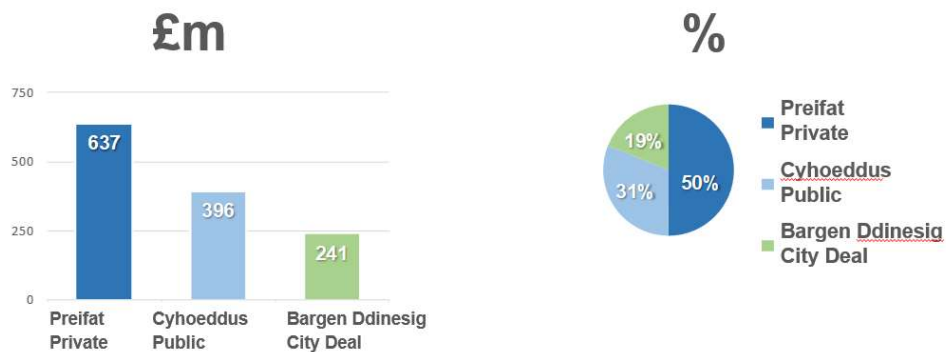
Summarised key actions for the Joint Committee include:

Category	Action	Timeframe (Using Calendar Year)	Responsibility
Governance	JCA & SBCD governance approved at Full Council meeting in each of the 4 LAs	Complete	4 LAs
	Formal agreement of JCA & SBCD governance	Complete	Joint Committee
	Formal establishment of Economic Strategy Board	Complete	Joint Committee /UKG & WG
	Establish Joint Scrutiny Arrangements	Complete	Neath Port Talbot
	Formal approval of Implementation Plan	Qtr1 2020	Joint Committee
Finance	Identify and agree LA borrowing requirements	Qtr1 2020	LAs Section 151 Officers and Legal Officers / Accountable Body / JC
	Identify funding for revenue requirements and agree position on NNDR & Capitalisation	In principle agreement reached Qtr2 2019	Accountable Body / LAs Section 151 Officers / Joint Committee
	Formal agreement of process principles for flow of finances for Regional and Local Authority City Deal projects as set out in the Joint Committee Agreement	Qtr 1 2020	4 LAs / Joint Committee
SBCD Project development /approval	Agree submission process and timescales for projects to Governments	Complete	Regional Office / / UKG & WG / JC
	Agree project approval process	Complete	Accountable Body / 4 LAs / JC / UK & WG
Legal and Procurement	Draft SBCD JCA developed	Complete	Accountable Body/ LAs Section 151 Officers and Legal Officers
	Develop Economic Strategy Board TOR for approval	Complete	Accountable Body/ LAs Section 151 Officers and Legal Officers
	Develop City Deal Regional Procurement principles	Qtr2 2020	Accountable Body/Regional Office
	Contracts Register to be established to identify and report on community benefits	Qtr2 2020	Regional Office /Accountable Body
	Develop Template Funding Agreement between the Project Authority Lead and the Project Lead to allow the transfer of City Deal Funding	Qtr 1 2020	Accountable Body/ LAs Section 151 Officers and

			Legal Officers/ Joint Committee
Monitoring and Evaluation	Programme Risk Register Developed	Complete	Regional Office/Accountable Body
	Final Version Monitoring and Evaluation Plan agreed	Qtr1 2020	Regional Office / UKG & WG
Stakeholder Engagement	Development and agreement of Business & Stakeholder Engagement Plan	Qtr2 2019 & Ongoing	Regional Office / Joint Committee
Strategic Regional Functions	Explore key strategic functions at a regional level that will support both the implementation of this Deal and wider development activity	Ongoing	Programme Board / Joint Committee / UK & WG

5.0 Programme Financing

The Swansea Bay City Deal is a total investment of £1.3 billion over a period of 15 years. This consists of £241 million from the UK and Welsh Governments, £396 million from other public sector funding, and £637 million from the private sector.



The Joint Committee Agreement sets out details of the allocation of Government funding and private and public funding contributions for each project. The proportion of Government funding shall be in accordance with the details set out in the JCA Schedule 7 (table shown below) unless the Councils agree to vary this.

The City Deal portfolio of projects set out in the heads of terms can be seen in the diagram below.

PROJECT NAME	Private (£ m)	Public (£ m)	City Deal (£ m)	Total Project Costs (£ m)
Internet of Economic Acceleration				
Digital Infrastructure	30.0	0.0	25.0	55.0
Swansea City & Waterfront Digital District	23.9	94.3	50.0	168.2
Creative Digital Cluster - Yr Egin	3.0	16.3	5.0	24.3
Centre of Excellence in Next Generation Services (CENGs)	27.0	5.5	23.0	55.5
Skills & Talent Initiative	4.0	16.0	10.0	30.0
Internet of Life Science & Well-being				
Life Science & Well-being Campuses	10.0	20.0	15.0	45.0
Life Science & Well-being Village	127.5	32.0	40.0	199.5
Internet of Energy				
Homes as Power Stations	382.9	119.2	15.0	517.1
Pembroke Dock Marine	25.9	22.4	28.0	76.3
Smart Manufacturing				
Factory of the Future	3.2	10.3	10.0	23.5
Steel Science Centre	0.0	60.0	20.0	80.0
TOTALS	637.4	395.9	241.0	1,274.3

5.1 Revised Neath Port Talbot programme

The City Deal projects originally due to be led by Neath Port Talbot Council included Centre of Excellence in Next Generation Services (CENGs), Factory of the Future and the Steel Science Centre.

To better meet the needs of Neath Port Talbot/regional residents and businesses, however, a new programme of projects to be part City Deal funded was approved by Neath Port Talbot Council's Cabinet in July 2019.

The £58.7 million Supporting Innovation and Low Carbon Growth programme has been developed to deliver a co-ordinated delivery of sustainable growth and job creation in the region, with a targeted focus on the Port Talbot Harbourside area.

The Programme aims to create the right environment for innovation, new technologies and a decarbonised local and regional economy.

A GVA contribution of £6.2 million a year is being projected once all projects are operational. along with the creation of 446 new, high-value added jobs. This would generate a GVA impact of £93 million over 15 years.

A 15-year Net Present Value (NPV) of £145 million is also projected.

Funding of £47.7 million is being sought from the Swansea Bay City Deal, with other funding coming from Neath Port Talbot Council and the private sector.

The Supporting Innovation and Low Carbon Growth programme has been developed around four interlinked themes:

1. **Swansea Bay Technology Centre** – An energy positive building on Baglan Energy Park providing flexible office space for start-up companies and indigenous businesses, with a focus on the innovation, ICT and R&D sectors. The excess energy from solar and other renewable technologies will be converted into hydrogen at the nearby Hydrogen Centre to be used to fuel hydrogen vehicles.
2. **National Steel Innovation Centre** that aims to support the steel and metals industry in Port Talbot and Wales – with the aim of reducing the carbon footprint of the steel and metals industry, and increasing the sustainability of the industry, linking in to the circular economy.
3. **Decarbonisation** – To assist with the delivery of decarbonising the City Region, a number of core projects will be undertaken in collaboration with public, private and academic partners including the FLEXIS research operation. These projects include a hard-wired electrical link between the Swansea Bay Technology Centre and the nearby Hydrogen Centre, as well as an electrical charging infrastructure route map. Encouraging the uptake of electric vehicles, this includes the development and implementation of an electric vehicle charging network that meets the demands of residents, businesses and visitors. New charging stations will contribute to solving Wales' lag in electrical vehicle charging infrastructure and coverage compared to the rest of the UK. Air quality modelling and real-time monitoring will also be introduced to enable better informed air quality decisions in future. This project will include data analytics to identify correlation with pollution sources, evaluation of intervention measures, and area wide, real-time data with significantly more geographic detail than is currently available.
4. **Industrial Futures** – This will address the gap between demand and supply for businesses and available land in the Port Talbot Waterfront Enterprise Zone, with a hybrid building providing production units as well as office space to support start-ups and indigenous businesses - especially those in the innovation and manufacturing sectors. There will also be laboratory space supported by Industry Wales for spin-outs to monetise research and development projects, as well as land remediation, flood defence work, construction of access roads and upgrading of highways. A Property Development Fund will also be made available to support the viability of private sector schemes to develop buildings in the Enterprise Zone.

The portfolio of projects meets the requirements of recommendations arising from reviews into the City Deal, while also representing a first stage response to the climate change emergency declared by the Welsh Government in April, 2019.

The programme will develop over 18,000 square metres of business space, primarily to meet evidenced demand from small to medium sized businesses, while providing the technological platforms essential for them to grow.

5.2 Synergies with the Swansea Bay City Deal programme

The Programme will meet City Deal portfolio objectives by:

- Reducing gap in GVA performance between the Region and the UK through improving regional productivity - Analysis estimates an annual GVA impact of £6.2 million once all projects are fully operational. It's also estimated that the programme will deliver a positive, cumulative NPV of £145 million over 15 years.
- Creating high-value jobs - 1,320 jobs (including construction) will be safeguarded/created, with at least 30% of these to be new. Jobs will be created in the advanced manufacturing, energy, engineering and technology sectors.
- Establishing and maintaining an effective and aligned skills base - All Programme projects will work with the Regional Learning and Skills partnership to ensure there is an appropriate skills base to take advantage of the investment.
- Creating, proving and commercialising new technologies and ideas - The overall project will develop over 18,000 square metres of business space. This will include flexible office space for start-up companies and indigenous businesses to commercialise their ideas and technologies. There will also be laboratory space supported by Industry Wales for spin-outs to monetise research and development projects. The National Steel Innovation Centre will facilitate the commercialisation of steel science research and development.
- Building capacity and driving forward further and greater inward investment - Employment sites and premises will be developed to house growing indigenous businesses and attract investment, helping meet gaps in business property supply through a demand-led approach with sufficient capacity. A distinctive programme of decarbonisation for manufacturing will also be developed, helping attract investment, along with a property development fund to stimulate private sector investment. The marketability of the Enterprise Zone for further investment will also be enhanced.
- Creating a sustainable regional economy that contributes meaningfully to the economy of Wales and the UK - The project will inject momentum into the delivery of sustainable growth and job creation in Neath Port Talbot and the wider City Region. A sustainable regional economy will be created via decarbonisation to establish cleaner processes for industry and cleaner air for communities. Decarbonisation interventions will also promote sustainable travel, buildings and economic growth, while creating a more diversified economy. This will contribute to Wales and UK-wide climate change targets. The project will also invest in 21st century employment facilities to create sustainable jobs in identified sectors, with innovative steelmaking research and development due to benefit the steel industry in Neath Port Talbot, the City Region and far beyond.

The Supporting Innovation and Low Carbon Growth programme is also aligned to the four 'internet' themes within the City Deal programme:

- The Internet of Economic Acceleration: next generation digital infrastructure
- The Internet of Life Science and Well-being: expanding research and innovation
- The Internet of Energy: energy innovation and sustainable housing
- Smart manufacturing

The energy efficient buildings and decarbonisation elements of the programme align to the regional Homes as Power Stations project, as well as the Pembroke Dock Marine project aimed at boosting South West Wales' blue economy

Next generation digital infrastructure, as well as the potential for early in-region access to 5G, will boost business productivity in the new employment spaces being developed, helping attract further investment.

The Programme will also accelerate work to decarbonise the economy, while facilitating advanced research and development to safeguard the future of the steel industry.

All projects forming part of the programme will work with the Regional Learning and Skills Partnership to ensure there is an appropriate skills base to take advantage of this investment.

5.3 Alignment to the Well-being of Future Generations Act

The Programme will meet the requirements of the Well-being of Future Generations Act by helping create:

- **A prosperous Wales** through the provision of new employment and efficient use of resources via building design and the re-use of brownfield land
- **A resilient Wales** via new business premises, with the necessary technological infrastructure to promote diversification and reduce overreliance on traditional industries and public sector employment
- **A healthier Wales**, with long-standing evidence demonstrating the positive impact of employment on health and well-being
- **A more equal Wales**, thanks to the programme including opportunities accessible to all to reduce societal inequalities
- **Cohesive Communities** through sustainable, viable employment
- **A Vibrant Culture and thriving Welsh Language**, with increased employment opportunities supporting the language in the medium and longer term
- **A Globally Responsible Wales**, thanks to the design and delivery of buildings in line with required sustainable development principles

5.4 Responsibilities and accountability

The Joint Committee has ultimate responsibility and accountability for decisions taken in relation to the Swansea Bay City Deal. It is the role of Programme Board to ensure that all schemes are developed in accordance with the agreed package by analysing the financial viability, deliverability and risk of each City Deal project proposal. This detailed analysis will then be reported to the ESB and Joint Committee.

Private Sector investment is fundamental to the overall success of the Deal. There is a requirement for each City Deal project to have a credible and robust financial profile in place from the outset. All letters confirming both private and public sector match funding are to be in place for the project prior to City Deal funding approved, confirming amount and timing as set out in the project's approved financial profile. The Project

Authority Lead and Project Delivery Lead are to put in place effective project monitoring processes. Funding agreements will be signed at the outset between Project Authority Leads and Project Delivery Leads setting out funding conditions.

For all projects, in addition to the 5-case model assessment process, the Accountable Body will undertake an assessment of the Project's Financial Profile to check that private and public sector contribution/s are in line with that set out in the initial project business case from the Project Lead. All variances and changes, including implications of these, will be reported to the PB, ESB and JC for consideration and decision of course of action as deemed necessary before City Deal funding is approved for the project.

It is the aim of the Swansea Bay City Deal that all projects will be delivered in five years in order to maximise the full benefits realisation of the operational schemes during the lifetime of City Deal funding, which is to be released to the Region from the governments over a 15-year period.

As set out in the JCA, making decisions on borrowing and finding other sources of funding other than Government Funding for projects is a matter reserved to the Councils. Each Council shall be responsible for borrowing or providing other funding for projects located in its area.

If a project is located in more than one Council area, each local authority involved may agree that borrowing or funding should either be shared equally, or in proportions approved by all.

The Programme Board will prepare recommendations to Joint Committee on all schemes, while also ensuring project development in accordance with the agreed package.

The Joint Committee is responsible for overseeing the proportion of each Council's responsibility for borrowing to provide funding for regional projects. The capital borrowing (in respect of the Government funded element) for the SBCD projects will be re-paid by identified Government funds (UK & Welsh Government) over the 15-year period.

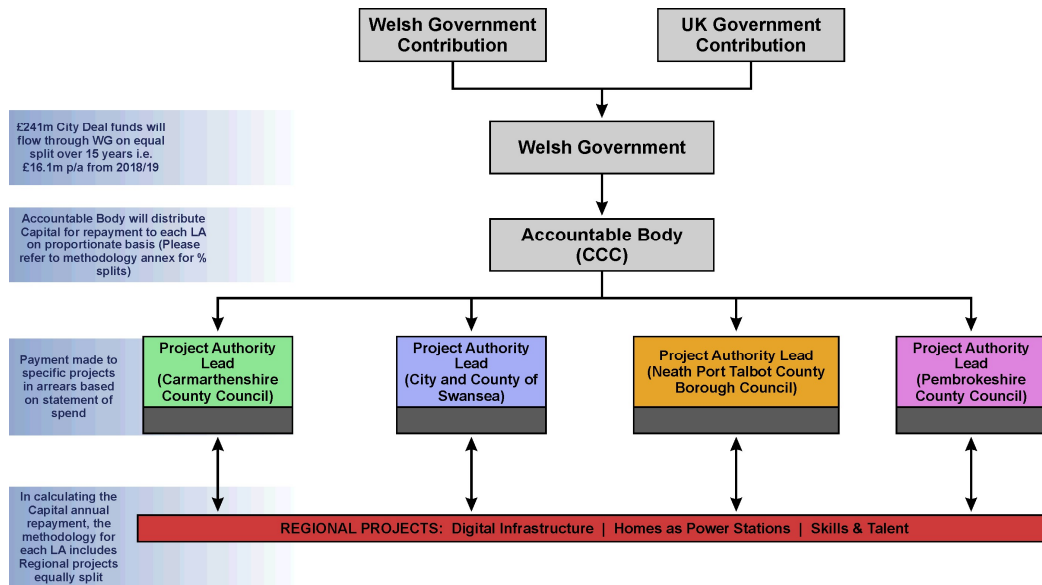
The exact level of borrowing and the structure and terms of the borrowing is yet to be confirmed, although it will be calculated based on the amount required per relevant local authority, and will be in line with individual local authority internal requirements. This is being determined by the four regional local authority Section 151 Officers. All borrowing will be agreed based on the principles of the Prudential Code and Treasury Management Policy and Strategy for each Authority. When further details of the investments required for each project are known, a full business case appraisal for each individual project will be completed and submitted to the relevant local authority for approval before submission to the Joint Committee. These full business cases will include the detailed funding proposals and requirements of the local authority.

The Welsh Government has given an in-principle agreement that the local authorities in the SBCD region will be allowed to retain 50% of the additional net yield in the non-domestic rates generated by City Deal projects. The basis of the allocation of the rates generated within the SBCD is yet to be agreed. This is being negotiated by the four Section 151 Officers of the four local authorities. There's additional information that provides authorities with support to utilise funding flexibilities within the Joint Committee Agreement appendices

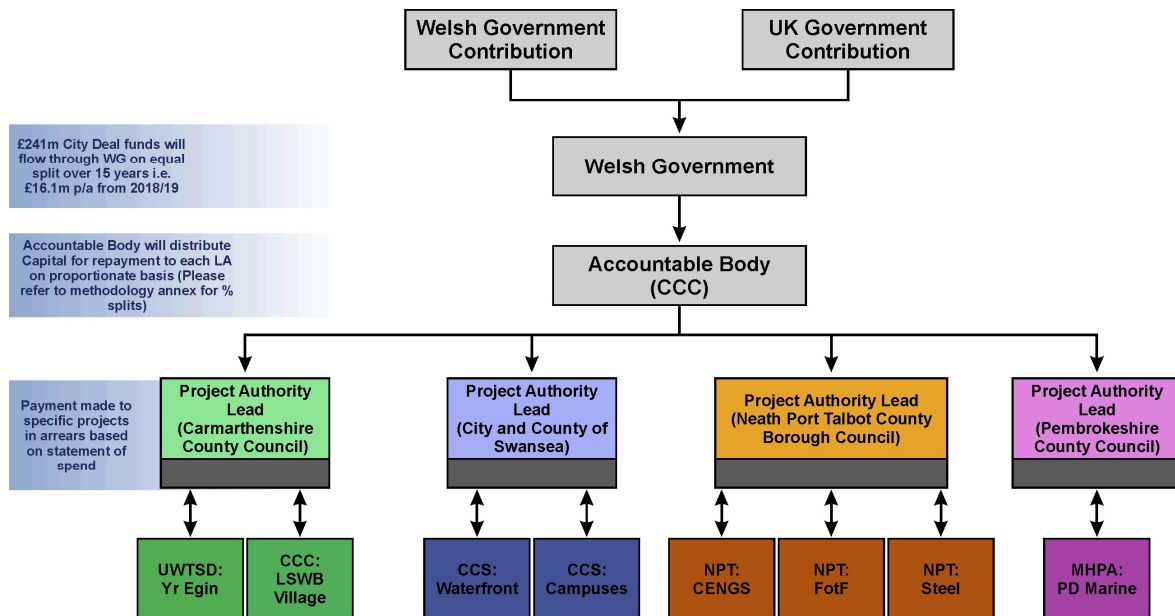
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Once the UK Government and Welsh Government have approved release of City Deal funding for individual CD projects, this funding will be released to the Region via the Accountable Body who, in accordance with the Joint Committee Agreement, will distribute the funds to the regional local authorities as demonstrated in the following flow charts:

5.5 City Deal flow of finances (Regional projects)



5.6 City Deal flow of finances (Local authority projects)



6.0 Strategic Programme Risks

Each Swansea Bay City Deal project carries its own associated risks which will be mitigated throughout the application and delivery process. A detailed risk analysis will be undertaken for all projects by the Project Delivery Lead as part of the development of the 5 case business model process, with a project specific risk register established to assist in the ongoing management and mitigation of all risks.

A detailed Programme Risk Register has been developed for the Swansea Bay City Deal Programme. This risk register will be managed, revised and updated by the Regional Office, with both Programme Board and Joint Committee tasked with its continual review.

A summary of the most significant programme risks is outlined in the table below. It should be noted, however, that these risks are shown at this point in time and that the status of each will alter throughout the Programme's duration.

Category	Risk	Probability Scale Low 1:5 High	Impact Scale Low 1:5 High	Mitigation
Development	Delay in approval of Joint Committee Agreement	1	1	JCA formally approved by each of the four LAs at meetings of the Full Council. JCA signed-off at first formal JC meeting in August 2018. Revised JCA also now approved by JC and all 4 LAs
	Delay in approval of Implementation Plan	4	4	IP signed off in principle at the first JC on 31st August 2018. Revised IP following SBCD reviews due for completion and approval in January 2020
	Delay in establishment of Economic Strategy Board	1	1	ESB Chair and membership approved at first formal Joint Committee meeting on 31st August 2018. Introductory session held on 19th September 2018 to assist members in their new role.
Implementation	Delay in development of Business Cases by Project Leads	2	3	Critical dates developed to assist in mapping out project development, submission and approval process timelines. Programme Board and ESB in place to oversee the development of business cases. Joint Committee Agreement in place which sets out agreed processes for deciding on any actions required. Three projects now submitted for formal approval following sign off by City Deal governance. Work to develop other business cases continues, with a number soon earmarked for approval and submission to both governments.
	Delay in approval of City Deal Business Cases	2	3	JCA and governance structure formalised in August 18. Regional Project Authority Leads / Project Authority Leads will have early sight of relevant draft version business cases. Agreement of submission process and timescales for review of final business plans with both governments. Joint Committee forward work programme approved in December 2018. Forward work programme for ESB approved in January 2018. The region has worked closely to support both reviews to ensure timely, speedier approval of project business cases can be obtained.
	Business case is not approved / project falls	2	3	Open and regular dialogue between Accountable Body, RO, Project Delivery Lead and Project Lead. . Early identification of potential trigger points and any potential mitigating/rectifying actions. If irreconcilable, Joint Committee Agreement in place which sets out agreed processes for identifying new project(s) to achieve the outcomes of the City Deal. Findings of the UK and Welsh Government independent review and the internal SBCD review in Jan 2019 will further assure that the processes outlined in the previous

Category	Risk	Probability Scale Low 1:5 High	Impact Scale Low 1:5 High	Mitigation
				update are robust and effective in mitigating the likelihood that a business case is not approved.
	Slippage in Programme delivery	3	3	Establish robust monitoring and evaluation framework to ensure programme and project delivery remains within agreed timescales, and to ensure that all targeted project outputs and outcomes will be achieved. Regional Team in place to undertake monitoring role. Accountable Body/Section 151 officers will undertake programme level financial profiling to ensure borrowing and distribution of City Deal funding is reflective of programme delivery. Independent and internal City Deal reviews completed in March 2019, with Joint Committee agreeing to implement all recommendations. The implementation of these recommendations is ongoing.
Operational	Withdrawal of Local Authority	1	2	JCA signed by each LA which clearly sets out agreed provisions for such a scenario.
	Failure to engage relevant stakeholders including private sector to enable wider development of the programme	2	1	Economic Strategy Board in place from the outset providing private sector involvement. Key stakeholders already engaged. SBCD Business Engagement Manager and Communications Officer employed in the RO to ensure early and ongoing involvement. Regular City Deal attendance of business events across the region, with a major event held in December 2018. A further City Deal event for the business community is planned for Qtr1 2020. Regular City Deal communications ongoing via the media, the City Deal website, the City Deal social media accounts, and e-newsletters targeted at the business community. Communications and engagement plan in place, and being continually monitored and updated to reflect developments/milestones.
	Failure to achieve agreed outcomes / outputs in agreed timeframe	3	4	Develop robust baseline. Establish monitoring and evaluation framework including key milestones and timescales for review. Regular performance reporting to Programme Board, ESB and Joint Committee to enable decisions on any mitigating actions deemed necessary to keep the programme on track.
Financial	Failure to identify / secure City Deal revenue funding	2	2	Ongoing dialogue with governments under way to identify potential solutions.
	Private Sector funding contribution/s not in line with initial business case projections	3	4	For all projects, in addition to the 5 case model assessment, the Accountable Body will undertake an assessment of the Project's Financial profile to check that the private sector contribution is in line with the initial business case financial projections. Any implications resulting from variance to be reported to PB, ESB and JC for action.
	EU match funding contributions contribution/s not in line with initial	3	4	For all projects, in addition to the 5 case model assessment, the Accountable Body will undertake an assessment of the Project's Financial profile to check that the private sector contribution is in line with the initial business case financial projections. Any

Category	Risk	Probability Scale Low 1:5 High	Impact Scale Low 1:5 High	Mitigation
	business case projections			implications resulting from variance to be reported to PB, ESB and JC for action. RO in dialogue with WEFO.
	Failure of projects to secure committed full funding package (cap & rev)	2	5	Credible and robust financial profiles need to be in place for each City Deal Project from the outset. Letters confirming match funding to be in place for the project before City Deal funding is approved, confirming amount and timing as set out in the project's financial profile. Timely monitoring and review following approval of five case business plan. Robust and timely procurement activity must be planned, executed and monitored. All Project Authority Leads to put in place effective monitoring and evaluation processes. Funding agreements signed between Project Authority Lead and Project Lead.

7.0 Business Case Assessment Process

The need to get the best possible value from spending public money will always remain a constant for those entrusted with spending decisions. To this end, all City Deal business cases must be developed using the HM Treasury and Welsh Government's Five Case Model - an approach which is both scalable and proportionate. It is recognised as best practice and is the Treasury's standard methodology.

The business case, both as a product and a process, provides decision-makers, stakeholders and the public with a management tool for evidence-based, transparent decision-making and a framework for the delivery, management and performance monitoring of the resultant scheme.

Each business case in support of SBCD project must evidence:

- **Strategic Case** - the intervention is supported by a compelling case for change that provides a holistic fit with other parts of the organisation and public sector
- **Economic Case** - the intervention represents best public value (to the UK as a whole)
- **Commercial Case** - the proposed project is attractive to the marketplace, can be procured and is commercially viable
- **Financial Case** - the proposed spend is affordable
- **Management Case** - what is required from all parties is achievable

As set out in the Joint Committee Agreement, the Project Business Case shall include a Resolution of the Project Authority Lead and all Councils in whose area the project shall take place that they approve the submission of the Project Business case.

The Regional Office has day to day responsibility for managing the assessment process for projects.

To assist a speedier assessment process, the UK Government and Welsh Government have agreed an informal iterative review process for assessing draft versions of business cases in order to assist Project Leads in the production of complete full business cases which are appropriate for 5 case formal review process.

Following the City Deal reviews, the relationship between individual local authorities, project leads, the Regional Office, the UK Government and Welsh Government has been improved to create enhanced communication.

On completion of the final draft business case, and following approval from the respective Regional/Project Authority Lead(s), full business cases for each of the City Deal projects will undergo assessment by the Regional Office before being considered by the respective City Deal governance structures. After approval by the Joint Committee the project business case will be forwarded to the UK Government and Welsh Government for approval to release City Deal government project funding to the Accountable Body.

Regional Office Project Assessment Criteria

1. Fit with the WG Future Well-being Act

- Clear evidence of the 5 Ways of Working;
- Clear evidence of contributing to Well-being goals
- Clear evidence of alignment with local well-being plans

2. Strategic Fit

- Alignment with the strategic aims and objectives of the Swansea Bay City Deal and wider regeneration regional strategy, while demonstrating the City Region's ambitions
- Demonstrable synergies with other Swansea Bay City Deal projects

3. Financial

- Credible and robust financial profile with cost breakdown is in place for each City Deal project before funding approval
- Private sector contribution/s are as set out in the initial business case financial projections for the project and in the Heads of Terms document
- Letters confirming project match funding from all sources must be in place before City Deal funding is approved. These letters should confirm amount/s and timing – and any dependencies - as set out in the project's Financial Profile for both the public and private sectors
- Evidence of ongoing project sustainability for a period of at least the 15-year SBCD Programme period to include a credible operational/commercial case that sets out full details on proposed income sources, income flows and any dependencies.

4. Deliverability

- Robust governance & partnership approach
- Project management - team and experience

- Clear project plan

5. Outputs and Outcomes

- SMART (specific, measurable, achievable, results-based, time-bound) project outcomes with associated baseline data is in place in line with overall City Deal plan
- Projects should clearly establish intended outputs with a clear definition of what success would look like

6. Risk Management

- Project Risk Register and risk management process in place - identification, management and mitigation of all risks

7. Procurement

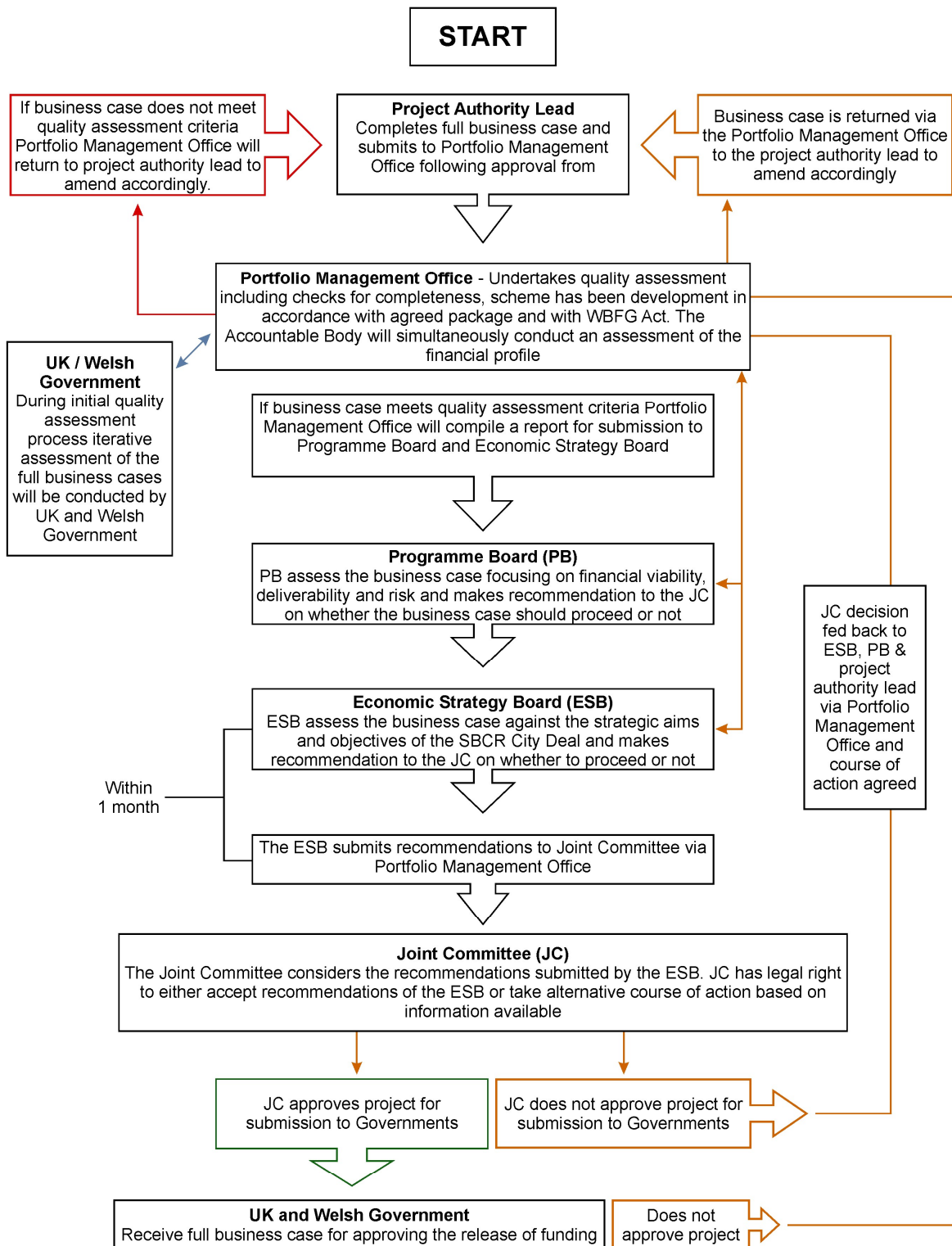
- Projects must set out how they will procure all project activity to benefit regional businesses and residents
- Wider community benefits demonstrated in the business case - local supply chain support and apprenticeships, for example

8. Project Monitoring & Evaluation

- All Project Leads to have clear and effective Monitoring and Evaluation Plans
- Key delivery steps and associated milestones demonstrated
- Detailed proposal for how and when all outputs and outcomes will be measured and reported to the Project Lead Authority and the Regional Office
- Evaluation proposal
- Exit Strategy in place

The four local authorities have agreed the following process for the formal assessment of final SBCD business cases:

FULL BUSINESS CASE APPROVAL PROCESS FOR AGREED SBCR CITY DEAL PROJECTS



8.0 SBCD Programme Monitoring and Reporting

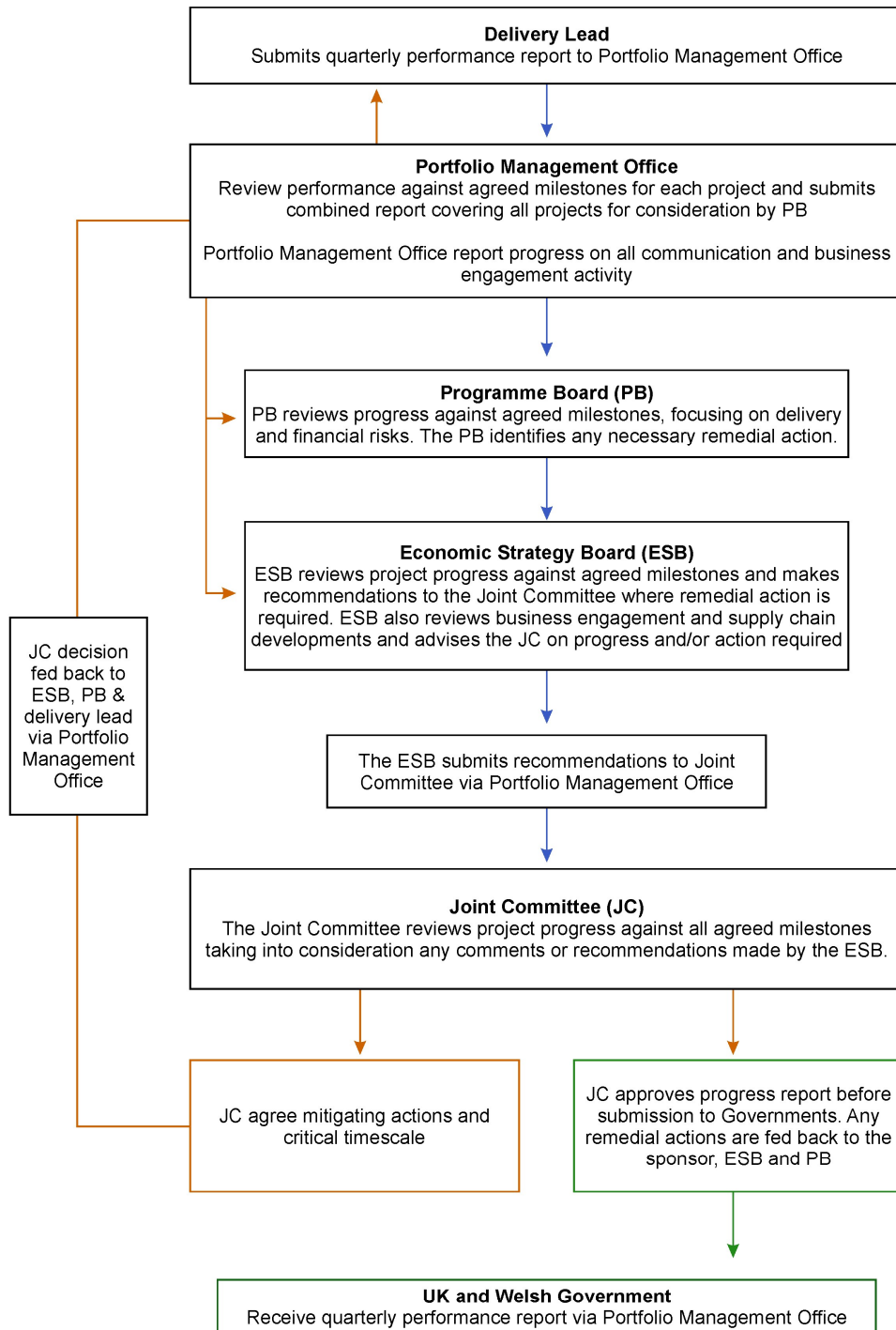
The Regional Office will have day to day responsibility for managing the monitoring and evaluation processes for projects. A robust monitoring and evaluation plan will be developed in conjunction with the UK and Welsh Governments, and agreed by the Joint Committee, which sets out the proposed approach to evaluating the impact of the Swansea Bay City Deal's delivery at programme level.

Key actions include:

- Developing a robust baseline
- Establishing a monitoring and evaluation framework including key milestones and timescales for review
- Setting up quarterly meetings with Project Delivery Leads and Regional/Project Authority Leads to discuss progress
- Regular performance reporting to Programme Board, Economic Strategy Board and Joint Committee.

All programme level reporting in relation to the City Deal and its associated projects will follow a process that has been agreed by the four local authorities. This is set out in the following chart:

PROJECT MONITORING



8.1 SBCD Joint Scrutiny Committee

As set out in the Joint Committee Agreement, the Joint Scrutiny Committee will provide a scrutiny function to ensure greater public accountability over decisions made by the Joint Committee and any of its sub-committees/related entities. It has been agreed by the four Councils that Neath Port Talbot County Borough Council will be the lead authority to take responsibility for the scrutiny function responsibility and its administration.

The membership of the Joint Scrutiny Committee will consist of 12 members. Each of the Councils shall nominate three members for appointment to the Joint Scrutiny Committee. The member nominated by each Council shall be an elected member of that Council but shall not be a member of that Council's executive and shall not be a member of the Joint Committee. The Chair of the Joint Scrutiny Committee shall not be a member of the Council which is providing the Chair of the Joint Committee.

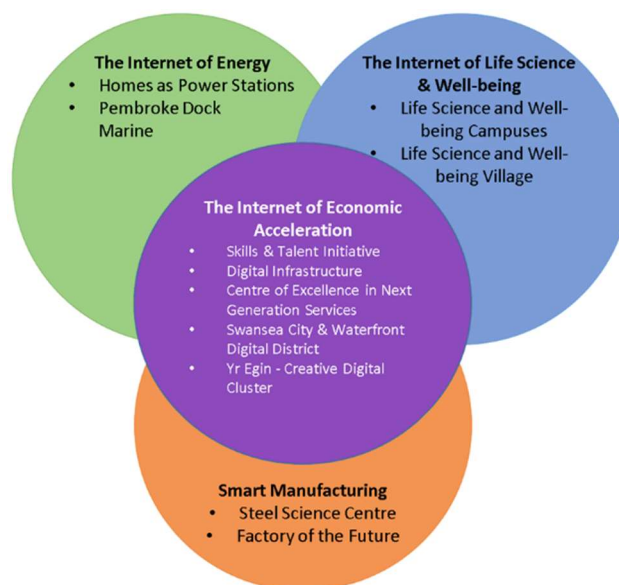
The role of the Joint Scrutiny Committee is to provide advice, challenge and support to the Joint Committee. The full terms and reference for the Joint Scrutiny Committee are set out in the Joint Committee Agreement.

The Joint Scrutiny Committee shall be required to:

- Review and scrutinise the Joint Committee's financial affairs
- Review and assess the Joint Committee's risk management, internal control and corporate governance arrangements
- Review and assess the economy, efficiency and effectiveness with which resources have been used
- Make reports and recommendations to the Joint Committee in relation to the points in 1 and 3 above

9.0 Swansea Bay City Deal Project Portfolio

The Swansea Bay City Deal comprises a portfolio of projects across four inter-related themes. Each thematic project has been developed to integrate with existing cluster strengths and infrastructure, supporting development of next generation services and products. In parallel, rollout of cutting-edge digital infrastructure will be accelerated to support exploitation of new technologies and capabilities. This will be underpinned by a Skills & Talent Initiative that will put pathways in place for people across the region to access the thousands of high-skilled jobs the City Deal will create.



9.1 SBCD Theme - Internet of Economic Acceleration

Skills and Talent			
Regional Project Authority Lead	Carmarthenshire County Council		
Project Delivery Lead	Carmarthenshire County Council		
Total Cost	£30,000,000	City Deal:	£10,000,000
Description	The Skills and Talent initiative, being led by the South West Wales Regional & Skills Partnership, will be a key component in ensuring that local people and businesses have the appropriate skills to benefit from each of the City Deal projects.		
Key Milestones	Activity	Date (using calendar year)	
	Business Case Development		
	Initial draft business plan for consideration by RLSP Board	Qtr3 2017	
	Initial draft Skills and Talent business plan shared with UKG/WG	Qtr4 2017	
	Final review of draft business case by UKG / WG	Qtr1 2020	
	Independent peer review	Qtr1 2020	
	Business plan submitted to the 4 Councils	Qtr1 2020	
	Business case submitted to Economic Strategy Board, Programme Board and Joint Committee for approval of the project's submission to the UKG/WG	Qtr2 2020	
UKG/WG approval of the release of Government funding to the project	Qtr3 2020		
Risks	Description	Mitigation	
	Operational		
	The potential for partners disengaging from the	The structure and constitution of the City Deal and the robust partnership within the RLSP. All partners are fully committed to the	

	project could pose a risk to the achievement of some of the delivery outputs	project, and the size and number of partners from all sectors significantly reduces this risk. Only if a whole sector were to withdraw would this risk be classed as high.						
	Lead times in the development of a new skills offer in the region / identifying the key skills and ensuring that Welsh Government agree to include the courses within future provision within FE and apprenticeships	As one of the WG's three Regional Skills Partnerships, the RLSP is well-placed to support this development, with its annual submission of a Regional Employment and Skills Plan which is utilised to directly affect the allocation of funding to FE and apprenticeship provision.						
	Project activity overlapping or duplicating existing provision within the region	The RLSP provides a platform to work across the public, private and education sectors. This partnership will ensure that there is an appropriate and timely response to industry and emerging project demands, remaining relevant and effective while avoiding duplication or missed opportunities.						
	Implementation							
	Project management, leadership and control of the project to deliver the stated activities and results	Management, leadership and control of the project will benefit from the experience and expertise which exists across the partnership. The Partnership will establish clear lines of management responsibility, reporting and accountability from the outset.						
	Project does not meet the needs of the other SBCD projects	Early engagement with each of the SBCD project leads has taken place to map out skills need, and will continue alongside the design and delivery stages of each project.						
	Slippage to the project timescales	It is intended that management of all work detailed in the action plan will be subject to a regular, ongoing process of performance review by the RLSP Board in order to maintain progress in relation to the projected outputs and timelines. Where required, this will be reported through the SBCD programme governance structure.						
	Financial							
	Significant changes to the match funding package	The level of match funding levered will be monitored on a quarterly basis by the Project Delivery Lead and Project Local Authority Lead to ensure that it is line with the agreed financial profile.						
	Organisational and financial risks	The level of experience within the organisations involved in the Partnership is such that relatively high levels of knowledge, skills and experience in financial management and probity can be clearly demonstrated. This, coupled with regular performance reviews, will serve to minimise the financial risks associated with the project.						
Financial Profile		2018/19 (£m)	2019/20 (£m)	2020/21 (£m)	2021/22 (£m)	2022/23 (£m)	2023/24 (£m)	TOTAL (£m)
	City Deal	0.25	1.00	1.50	2.50	2.50	2.25	10.00
	Public	0.25	1.00	3.00	4.00	4.00	3.75	16.00
	Private	-	0.50	0.50	1.00	1.00	1.00	4.00
	TOTAL	0.50	2.50	5.00	7.50	7.50	7.00	30.00
Constraints	State Aid rules as they apply							
Dependencies	Continued core funding from Welsh Government for the RLSP Revenue support for the project from the local authorities							

Digital Infrastructure

Regional Project Authority Lead	Carmarthenshire County Council		
Project Delivery Lead	Carmarthenshire County Council		
Total Cost	£55,000,000	City Deal	£25,000,000
Description	<p>A regional state-of-the-art digital infrastructure will be implemented to support each of the City Deal strategic themes and projects. The project will consist of three elements - Transport Corridor, Rural and Connected City. Together these components will:</p> <ul style="list-style-type: none"> • Create digital infrastructure including gigabit fibre and the establishment of 5G testbeds that will enable innovation and entrepreneurship within the region • Expand the provision of 4G and Wi-Fi capabilities to benefit both urban and rural areas • Develop digital infrastructure for key sectors including energy, manufacturing and life sciences 		
Key Milestones	Activity	Date (using calendar year)	
	Business Case Development		
	Project Scope Set	Qtr1 2018	
	Consultant appointed to develop full 5 case business plan based on agreed scope / outline proposal	Qtr4 2018	
	Initial draft version 5 case business plan shared with UKG / WG	Qtr1 2020	
	Independent peer review	Qtr1 2020	
	Business case submitted to 4 Councils	Qtr2 2020	
	Business case submitted to Economic Strategy Board, Programme Board and Joint Committee for approval of the project submission to the UKG/WG	Qtr2 2020	
UKG/WG approval of the release of Government funding to the project	Qtr4 2020		
Risks	Description	Mitigation	
	Unsuccessful project delivery / Slippage in project delivery	Experienced project management and project delivery team in place from the outset. Project Implementation Plan to be agreed by all partners. Established robust monitoring and evaluation framework at project development stage to ensure programme and project delivery remains within agreed timescales and to ensure that all targeted project outputs and outcomes will be achieved.	
	Lack of commercial confidence	Robust governance structure will need to in place from the outset to carefully manage both governance and commercial risks.	
	Project not sustainable	Project will develop a sustainable business model. On-going dialogue with key government, public sector officers and private sector organisations is key. Sustainability is an integral part of this project, so early engagement with operators/providers is embedded within the proposals.	
	Failure to secure full funding package	The digital plan will be implemented via partners through a competitive tendering process.	
Non-compliance with	Use is made of existing compliant procurement frameworks to		

	State Aid Regulation and public procurement rules	enable speedier delivery. Different aspects of the project might entail different approaches.							
	Engagement/partnership with industry is unsuccessful.	Early engagement has already taken place with private sector and wider stakeholders as part of City Deal projects. Dialogue will be on-going via the projects. Dedicated project manager appointed in December 2019.							
Financial Profile		2018/19 (£m)	2019/20 (£m)	2020/21 (£m)	2021/22 (£m)	2022/23 (£m)	2023/24 (£m)	2024/25 (£m)	TOTAL (£m)
	City Deal	-	-	0.50	9.00	9.00	5.50	1.00	25.00
	Public	-	-	2.50	3.00	3.00	2.50	2.50	13.50
	Private	-	-	-	5.50	5.50	4.50	1.00	16.50
	TOTAL	-	-	3.00	17.50	17.50	12.50	4.50	55.00
Dependencies	<p>Roll-out of UK and Wales-wide ICT policies and programmes.</p> <p>Alignment with Superfast Cymru is an important requirement.</p> <p>Engagement with service providers to gain an understanding of future plans and potential opportunities for the SBCD and Digital Infrastructure proposals is vital.</p> <p>The expectation is that the digital plan will be implemented through partner(s) via a competitive tendering process.</p>								

Swansea City & Waterfront Digital District		
Project Authority Lead	Swansea Council	
Project Delivery Lead	Swansea Council	
Total Cost	£171,131,000 City Deal £50,000,000	
Description	<p>The Swansea City and Waterfront Digital District will capitalise on the next generation connectivity available within the region, developing a vibrant and prosperous city centre that facilitates the growth of high-value ICT and digitally enabled sectors.</p> <p>The project includes a 3,500-capacity digital indoor arena, a digital square, a digital village for tech and digitally focussed businesses, and a box village and innovation precinct development for start-up businesses at the University of Wales Trinity Saint David SA1.</p>	
Key Milestones	Activity	Date (using calendar year)
	Business Case Development	
	Initial draft business case shared with UK/WG	Qtr4 2017
	Final review of draft version business case by UKG / WG	Qtr4 2018
	Business case submitted to Council	Qtr4 2018
Business case submitted to Economic Strategy Board, Programme Board and Joint Committee for approval of the project's submission to the UKG/WG	Qtr1 2019	

	UKG/WG approval of the release of Government funding for the project	Qtr4 2019
	Project Development	
	Milestone Activity - Box Village/Innovation Precinct	
	Planning Submission	Qtr2 2020
	Detailed Design	Qtr4 2020
	Tender and Contractor Procurement	Qtr2 2021
	Construction	Qtr4 2021
	Fit Out	Qtr2 2023
	Completion and Occupation	Qtr2 2023
	Milestone Activity - Digital Village	
	Planning Submission	Qtr1 2020
	Detailed Design	Qtr1 2020
	Tender and Contractor Procurement	Qtr2 2020
	Construction	Qtr4 2020
	Fit Out	Qtr1 2021
	Completion and Occupation	Qtr2 2022
	Milestone Activity - Digital Square & Arena	
	Outline planning consent granted	Qtr2 2017
	End of Design Stage 2	Qtr4 2017
	Arena Operator Contract Signed	Qtr1 2018
	Contractor Procurement	Qtr3 2018
	Construction	Qtr4 2019
	Arena construction complete	Qtr3 2021
	Arena open	Qtr4 2021
Risks	Description	Mitigation
	Development	
	Failure to obtain relevant approvals	All approval processes for the project will be identified to allow sufficient time to prevent project timeline impacts. Dedicated team and organisation structure will further mitigate this risk. In addition, expert advice will be sought to ensure that all required approvals are captured.
	Failure to agree project specification	Project will continue to work extensively with all key stakeholders to ensure that agreement on specification is achieved as a priority before progressing the project further.
	Commercial floor space and other facilities do not meet the needs of start-ups and tech based businesses	Project has consulted with members of the targeted industries to establish needs. The project to continue to liaise with members of the industry to ensure that the evolving project delivers on key requirements at every stage, and to continuously monitor and proactively engage with the industry to ensure that needs are appropriately met in the operational phase on an on-going basis.
	Financial	
Failure to secure funding package	Swansea Council and the University of Wales Trinity Saint David funding are committed. Ensure credible and robust business plan and financial profile is in place at outset. Written letters confirming all sources of funding to be in place at approval stage	

	Rise in construction costs	Ensure detailed costs are in place for the entire project at the outset. Allow for a suitable contingency. Detailed tender bids. Ensure experienced project manager is in place.					
Implementation							
	Delays in construction programme/ Project slippage	Ensure project team in place using recognised project management tools to enable the developments to be delivered on time. The project to proactively monitor construction progress and to work extensively with the principal contractor to minimise any disruption to the programme					
	Temporary traffic management failing	Project will ensure TM contractor aware of sensitivity of route and applies appropriate resources. Advance communications to 1st Responders to take into account the impact on emergency services and providing advance notice of restrictions. Involve transport team in a timely manner. Regular review of programme and timely information to Client.					
Operational							
	The commercial floor space and other facilities do not meet the needs of start-ups and tech-based businesses	Project continues to consult with members of the targeted industries to establish needs and to ensure that the evolving project delivers on key requirements at every stage. Project to continuously monitor and proactively engage with the industry to ensure that needs are appropriately met in the operational phase on an on-going basis					
	Lower than expected demand	The project is working extensively with potential tenants and occupiers to ensure that initial demand is sufficient. In addition, the project will be focused on supporting growth and successfully managing the success of the operational phase. Project to allocate sufficient resource to ensure that any period of lower than expected demand is successfully bridged					
	Failure to provide knowledge transfer and commercial opportunities	The University to adequately resource teams to ensure that knowledge transfer and the development of commercial opportunities are given adequate priority in terms of delivery					
	Focus on physical property aspects and the wider economic needs to support business creation and growth are not achieved	The projects are being developed in consultation with a wide range of public and private sector partners to understand demand in the market. The schemes are also designed to meet the current and future needs of an innovative business community.					
Financial Profile		2018/19 (£m)	2019/20 (£m)	2020/21 (£m)	2021/22 (£m)	2022/23 (£m)	TOTAL (£m)
	City Deal	-	7.53	42.47	-	-	50.00
	Public	9.41	61.47	10.28	-	-	81.16
	Private	0.24	3.50	13.27	19.84	3.13	39.97
	TOTAL	9.65	72.50	66.02	19.84	3.13	171.13
Dependencies	Planning consents The digital indoor arena and digital square features of this project form part of the overall Swansea Central regeneration plan.						

Project Authority Lead	Carmarthenshire County Council		
Project Delivery Lead	University of Wales Trinity Saint David		
Total Cost	£25,170,000	City Deal	£5,000,000
Description	Yr Egin will create a digital and creative industry cluster in Carmarthen, joined by S4C as the key anchor tenant alongside other digital and creative media SMEs as tenants. The centre will create a clustering effect which will generate major and positive change to the creative and digital economy of Wales. This development will include business accelerator facilities and incubation, as well as shared spaces for interaction between each of the tenants, which will drive entrepreneurial development.		
Key Milestones	Activity	Date (using calendar year)	
	Business Case Development		
	Initial draft version 5 case business plan shared with UKG/WG	Qtr4 2017	
	Final review of draft version business case by UKG/WG	Qtr4 2018	
	Business case submitted to the Council	Qtr4 2018	
	Business case submitted to Economic Strategy Board, Programme Board and Joint Committee for Approval of the project submission to the UKG/WG	Qtr1 2019	
	UKG/WG approval of the release of Government Funding for the project	Qtr4 2019	
	Project Development		
	Phase 1 Practical completion of construction	Qtr3 2018	
	Phase 1 Occupation & official opening	Qtr4 2018	
	Phase 2 Development of updated requirements (Refurbish/new build)	Qtr2 2020	
	Phase 2 Detailed design	Qtr3 2020	
	Phase 2 Approval to proceed (RIBA stages 3 and 4 design)	Qtr2 2021	
	Phase 2 Planning submissions as required	Qtr4 2021	
	Phase 2 Construction	Qtr3 2022	
	Phase 2 Fit-out, completion and occupation	Qtr3 2023	
Risks	Description	Mitigation	
	Development		
	Failure to agree project specification	The University will work extensively with all key stakeholders, including potential occupiers, to ensure that agreement on specification is achieved as a priority before progressing the project further.	
	Failure to deliver the wider benefits identified in the business case	The project's Monitoring and Evaluation Plan to set out clear proposals of how and when the Project Lead is going to monitor the impact of the wider benefits as set out in the 5 case business model for Yr Egin. Project M & E Plan to be in place before funding is released to the project. Quarterly reporting to the Regional Office by the Project Lead and Local Authority Leads to highlight all changes to outputs, outcomes and milestones.	
	Implementation		
	Failure to obtain relevant	All approval processes for the project will be	

	approvals	identified and approvals will be applied for with sufficient time to prevent project timeline impacts. The University's existing dedicated team and organisation structure will further mitigate this risk.					
	Delays in construction programme	Phase one complete and occupied, with S4C as anchor tenant. University to work closely with delivery partner for Phase 2 to ensure that any delays in construction programme are mitigated and avoided.					
	Skills and capacity issues in terms of project delivery	The core project delivery team has been specifically appointed and retained to ensure that enough skill and capacity is available to deliver the Yr Egin project. The University will appoint third party specialists as required and will ensure that the project procurement process is competitive to encourage regional suppliers to engage.					
Operational							
	Lower than expected demand	The University has already seen a strong uptake with lettable space in Phase 1 and will work extensively to engage with prospective tenants for Phase 2. The University to also continuously review rent and service charge costs to ensure that Yr Egin remains highly competitive					
	Failure to provide knowledge transfer and commercial opportunities	The University has extensive experience and expertise in both knowledge transfer and the development of commercial opportunities. The University will adequately resource teams to ensure that both of these aspects are given adequate priority in terms of delivery.					
	Failure to meet industry needs	The University has undertaken extensive consultation to ensure that the Yr Egin project will match the requirements of the industry. Key stakeholder management to be undertaken extensively to ensure that the project continues to do so throughout phase 2 and beyond.					
Financial							
	Failure to secure funding package	Ensure credible and robust detailed business plan and financial profile is in place at outset. Written letters confirming all sources of funding to be in place at approval stage					
	Rise in construction costs	Construction cost increases have been adequately anticipated through the use of third-party experts and will be integrated throughout the cost estimations for Yr Egin phases one and two. The University will continue to provide adequate contingency for any unexpected increases.					
Financial Profile		2018/19 (£m)	2019/20 (£m)	2020/21 (£m)	2021/22 (£m)	2022/23 (£m)	TOTAL (£)
	City Deal	-	3.00	2.00	-	-	5.00
	Public	11.52	-	0.50	1.72	1.58	15.32

	Private	3.35	-	-	-	1.50	4.85
	TOTAL	14.87	3.00	2.50	1.72	3.08	25.17
Dependencies	Planning consents						

9.2 SBCD Theme - Internet of Life Science and Well-being

Life Science and Well-being Campuses		
Project Authority Lead	City and County of Swansea	
Project Delivery Lead	Swansea University	
Total Cost	£45,000,000	City Deal £15,000,000
Description	<p>The Campuses project will further develop the region's thriving life science sector to help prevent ill-health, develop better treatments and improve patient care. Advanced research and development facilities will be created, building on the success of the Institute of Life Science at Swansea University's Medical School.</p> <p>Collaboration between Swansea University and its industry and NHS partners will place the Campuses project at the forefront of new technologies to improve NHS care, while creating new life science companies and highly skilled jobs. Projects will include a facility at Swansea University's Singleton Campus, as well as a Morriston Campus where research will be undertaken alongside world-leading clinical delivery.</p>	
Key Milestones	Activity	Date (using calendar year)
	Business Case Development	
	Review of Outline Business Case	Qtr1 2018
	Completed options appraisal	Qtr1 2018
	Draft Full Business Case	Qtr1 2019
	Partner Review of FBC	Qtr1 2019
	Initial draft version 5 case business plan shared with UKG / WG	Qtr2 2020
	Final review of draft version business case by UKG / WG	Qtr2 2020
	Business case submitted to the Council	Qtr3 2020
	Independent peer review	Qtr3 2020
	Business case submitted to Economic Strategy Board, Programme Board and Joint Committee for Approval of the project submission to the UKG/WG	Qtr4 2020
	UKG/WG approval of the release of Government Funding to the project	Qtr1 2021
Risks	Description	Mitigation
	Development	
	Failure to ensure stakeholder buy-in to project concept	Project to have regular engagement with key stakeholders including Swansea Bay University Heath Board, Swansea University, private

		sector and SBCD Programme Board and Joint Committee.						
	Delay in Swansea University decision making and internal governance procedures	Reviewed at SU project development board regularly.						
	Implementation							
	Procurement delays	Make use of existing procurement frameworks.						
	Appropriateness of partnering arrangements	Make use of existing procurement frameworks.						
	Operational							
	Project fails to meet City Deal outputs	Project M&E Plan in place at project start. Regular review and monitoring - IoHWB leadership.						
	Operation of new facilities - laboratory environments	Integrate with existing operations.						
	Failure to secure commercial tenants	End user discussions taking place.						
	Financial							
	Failure to secure funding package	Ensure credible and robust detailed business plan and financial profile is in place at outset. Written letters confirming all sources of funding to be in place at approval stage						
Financial Profile		2018/19 (£m)	2019/20 (£m)	2020/21 (£m)	2021/22 (£m)	2022/23 (£m)	2023/24 (£m)	Total (£m)
	City Deal	-	2.50	2.50	5.00	5.00	-	15.00
	Public	-	5.00	10.00	5.00	-	-	20.00
	Private	-	2.00	2.00	2.00	2.00	2.00	10.00
	TOTAL	-	9.50	14.50	12.00	7.00	2.00	45.00
Dependencies	Planning Consent							

Life Science and Well-being Development			
Project Authority Lead	Carmarthenshire County Council		
Project Delivery Lead	Carmarthenshire County Council		
Total Cost	£199,500,000	City Deal	£40,000,000

<p>Description</p>	<p>The Life Science & Well-being development will be located across 86 acres of brownfield land in Llanelli. The project is led by Carmarthenshire Council, in partnership with Hywel Dda University Health Board, further and higher education providers, and a range of other local and regional stakeholders. The development will co-locate local government and health board services with the academic, private and voluntary sectors to create an ecosystem for education, research and development, business incubation and broader life science and well-being initiatives.</p> <p>The project will create a number of facilities to improve the health and well-being of people across the wider region, creating around 2,000 high-quality, well-paid jobs, while boosting the economy by £467 million over 15 years. A number of education partners are working together to provide training and skills programmes across the education continuum, from work-ready to undergraduate, postgraduate and continuing professional development.</p> <p>The Life Science and Well-being development incorporates a number of interrelated facilities, City Deal funding would deliver:</p> <ul style="list-style-type: none"> • A business development centre providing incubation and acceleration facilities for business start-up and research & development opportunities within life sciences • A well-being skills centre providing facilities for education and training • A clinical delivery and research centre delivering a range of health and well-being services and providing opportunity for education placements within the operational clinical environment. <p>The other elements of the development will be funded through a mixture of public and private market sourced funding. These will in partnership with the City Deal funded elements to ensure that benefits across the site can be maximised. These include:</p> <ul style="list-style-type: none"> • A new, state-of-the-art sports, leisure and aquatics centre • Assisted living spaces in a range of accommodation types, including a nursing home, residential physical rehabilitation facilities, extra care and supported living accommodation • A hotel set along the Llanelli coastline • A housing development that will include an element of affordable and social housing <p>Outline planning permission has been granted. Design work is on-going with the aim of construction work commencing in 2020.</p>	
<p>Milestones</p>	<p>Activity</p> <p>Business Case Development</p> <p>Outline planning consent awarded</p> <p>Independent peer review</p> <p>Revised business case submitted to Economic Strategy Board and Programme Board</p>	<p>Date (using calendar year)</p> <p>Qtr3 2019</p> <p>Qtr1 2020</p> <p>Qtr1 2020</p>

	Revised business case submitted to Joint Committee	Qtr1 2020
	UKG/WG approval of the release of Government funding to the project	Qtr2 2020
	Project Development	
	Ground investigation preparatory works on site	Qtr3 2019
	Information memorandum to financial markets to secure institutional funding	Qtr4 2019
	New branding launch for project	Qtr1 2020
	Procurement of principal contractor	Qtr2 2020
	Start of main construction works on site	Qtr4 2020
	Completion of zone one	2022
Risks	Description	Mitigation
	Site planning – environmental, ecological, land and other infrastructure planning issues could potentially delay the project or, as a worst case scenario, result in project cessation	External consultants have been engaged to undertake a range of environmental studies required to evidence a planning application and to detail any remedial action required. Detailed flooding modelling undertaken. Outline planning now granted.
	Partner communication and understanding	A full Communications and Engagement Strategy has been prepared, which prescribes early and frequent public involvement in the development of the Village. Partners engaged in the development of a ‘brand’ for the Village, to be launched in Q1 2020. Engagement will continue in line with both statutory and best practice guidelines.
	Revenue streams	Business planning is underway with the University Health Board and academic partners to achieve an optimal revenue solution with a projection of revenue savings over the 15-year City Deal programme.
	Failure to achieve a whole site vision to maximise benefits	The complexity of the aims and the range of partners required to develop this integrated vision brings significant challenges with it. The Project Board ensures strategic and operational alignment. In addition, partners are engaged across all project work streams. This representation ensures that opportunities for joint working are maximised. A framework has been developed which is used to manage work and partners and to provide a structure for benefits realisation and post implementation analysis.
	Health provision - inability to provide a modern, sustainable workforce to deliver to full service specification	Accredited training programmes will be delivered on site by further and higher education. Courses will be designed to meet the needs for modernised working

		practices, improve local retention and deliver a sustainable health workforce.						
Financial Profile		2019/20 (£m)	2020/21 (£m)	2021/22 (£m)	2022/23 (£m)	2023/24 (£m)	2024/25 (£m)	TOTAL (£m)
	City Deal	2.10	6.00	17.80	14.10	-	-	40.00
	Public	13.86	6.14	17.50	13.50	-	-	51.00
	Private	-	3.00	24.00	29.00	25.00	27.50	108.50
	TOTAL	15.96	15.14	59.30	56.60	25.00	27.50	199.50
Dependencies		Discharge of reserve matters application. Institutional funding to realise wider benefits.						

9.3 SBCD Theme - Internet of Energy

Homes as Power Stations			
Regional Project Authority Lead	Neath Port Talbot County Borough Council		
Project Delivery Lead	Neath Port Talbot County Borough Council		
Total Cost	£517,050,000	City Deal:	£15,000,000
Description:	The project will create a new housing industry based around innovative and sustainable energy generation, combined with storage and efficiency. New technologies developed will be applied within the region, allowing homes and buildings to generate, store and release their own energy. The project will undertake new house building and retrofit programmes which will utilise such technologies whilst developing new supply chains in this sector. The project will also address fuel poverty, which remains a persistent challenge for many communities across the region. The project will also focus on broadband internet connections and smart metering, with support from the Digital Infrastructure project.		
Milestones	Activity	Date (using calendar year)	
	Business Case Development		
	Initial draft Strategic Case shared with RO	Qtr3 2018	
	Initial draft business case shared with UKG/WG	Qtr1 2019	
	Policy workshops held with UKG/WG	Qtr2, Qtr 3 2019	
	Independent peer review	Qtr1 2020	
	Business case submitted to the 4 Councils	Qtr1 2020	
	Business case submitted to Economic Strategy Board, Programme Board and Joint Committee for Approval of the project submission to the UKG/WG	Qtr1 2020	

	UKG/WG approval of the release of Government funding to the project	Qtr1 2020
	Project Development	
	Regional Social Landlord engagement	Qtr4 2017
	Initiated pathfinder/proof of concept development at Neath (Hafod Site)	Qtr4 2017
	Regional Stakeholder Workshops	Qtr1 2018
	Regional Local Authority Steering and Working Group established to coordinate the regional activity at scale	Qtr2 2018
	Consultants engaged to assist in development of the 5 case business model	Qtr2 2018
	Planning approved for Hafod Site (Due to commence on site)	Qtr3 2018
	Work complete on pathfinder site in Hafod, Neath	Qtr4 2019
	Establish the programme infrastructure; procure the independent organisation that will undertake the monitoring and evaluation; baseline the programme; integrate existing/related project activity; ensure the development of 200 new builds and 250 retrofits in line with the HAPS specifications.	Qtr2 2020 to Qtr2 2021
	Undertake an interim evaluation and ensure that any recommendations are integrated into the programme; continue with new builds and retrofits (supported by financial incentives); initiate the supply chain development fund (including the business grant scheme) supported by business teams from the participating local authorities.	Qtr2 2021 to Qtr2 2022
	Continue with new builds and retrofits through to the end of the programme; ensure that the supply chain is robust and sustainable for the future; showcase the programme to Welsh and UK interests; commence the final monitoring and evaluation, and implement the exit strategy.	Qtr2 2022 to Qtr2 2024
Risks	Description	Mitigation
	Development	
	Land costs and availability	Project to ensure that local authorities provide a land bank.
	Supply chain development	Robust supply chain strategy and on-going industry engagement plan in place.
	Approved design specification	Development and implementation of holistic, flexible, industry approved design standards.
	Operational	
	Supply chain capacity and capability	Robust supply chain strategy and on-going industry engagement plan to be in place.
	Appropriate land availability	Ensure that local authorities provide a sizeable land bank.
	Not achieving new build targets	Ensure effective programme planning.
	Insufficient capacity to deliver the programme	Ensure that the right levels of skills and experience are in place. This includes an experienced regional project team and manager, as well as robust stakeholder management/ coordination.
	Financial	
	Failure to secure funding package	Ensure credible and robust detailed business plan and financial profile is in place at outset.

	Significant changes in the funding package, including public and private sector match funding.	Ensure commitment of match funding partners through signed partner funding letters in place at project approval stage. The delivery profile and associated match funding components to be monitored on a regular basis to ensure that it is in line with the agreed financial profile.							
	Implementation								
	Deliverability of HAPS within the City Deal programme timeframe.	Detailed time bound project delivery proposals for HAPS to be set out in the 5 case business model							
	Slippage including delays in procurement / delivering contracts	All work detailed in the programme plan will be subject to a regular, on-going process of performance review. The benefits realisation plan will also be monitored and reviewed on a regular basis.							
	Project management to deliver the agreed activities and results.	Dedicated project management and delivery team to be appointed at the outset of the project to ensure effective implementation of the programme.							
	Complex nature of retrofit	Robust and detailed implementation and delivery plan will be formulated to ensure that an approved and tested retrofit approach is set in place.							
Financial Profile		2018/19 (£m)	2019/20 (£m)	2020/21 (£m)	2021/22 (£m)	2022/23 (£m)	2023/24 (£m)	2024/25 (£m)	TOTAL (£m)
	City Deal	-	-	2.00	4.00	5.00	3.75	0.25	15.00
	Public	6.43	14.08	22.95	31.90	43.80	-	-	119.15
	Private	23.08	47.68	73.05	102.60	136.50	-	-	382.90
	TOTAL	29.50	61.75	98.00	138.50	185.30	3.75	0.25	517.05
Dependencies	Availability of sizeable local authority land banks across the region Planning Consents								

Pembroke Dock Marine	
Project Authority Lead	Pembrokeshire County Council
Project Delivery Lead	Milford Haven Port Authority
Total Cost	£60,470,905 City Deal £28,000,000
Description	<p>Helping considerably boost the region's blue economy, this project will include:</p> <ul style="list-style-type: none"> • The development of a Marine Energy Test Area (META) utilising the deep port of Milford Haven • A Marine Energy Engineering Centre of Excellence (MEECE) • Infrastructure improvements to Pembroke Port • A Pembrokeshire Demonstration Zone (PDZ) for wave energy developers

	By creating a cluster of resources, knowledge and capabilities, Pembroke Dock Marine will accelerate technology development, enhancing the sector's success and ensuring continued investment and development in test sites on a regional, Welsh and UK scale.	
Milestones	Activity	Date (using calendar year)
	Business Case Development	
	Initial draft business case shared with UKG / WG	Qtr4 2017
	Revised business case shared with UKG / WG	Qtr3 2018
	Final review of draft version business case by UKG / WG	Qtr2 2019
	Independent peer review	Qtr4 2019
	Business case submitted to the Council	Qtr4 2019
	Business case submitted to Economic Strategy Board, Programme Board and Joint Committee for approval of the project submission to the UKG/WG	Qtr4 2019
	UKG/WG approval of the release of Government funding to the project	Qtr1 2020
	Project development	
	Pembroke Dock infrastructure	
	Planning permission, CPO and consents	Qtr1 2019
	Construction phase area 1 (Hangar annexes)	Qtr2 2019 to Qtr4 2020
	Construction phase area 2 (Amenity and pocket park)	Qtr2 2019 to Qtr4 2020
	Construction phase areas 3, 4 and 5 (Slipway and berthing)	Qtr2 2019 to Qtr2 2023
	Construction phase areas 6, 7, 8 and 9 (land prep at south of site and pickling pond)	Qtr3 2020 to Qtr4 2021
	Construction phase area 10 (Graving dock)	Qtr1 2022 to Qtr4 2023
Construction phase areas 11, 12 and 13 (levelling, transportation corridor and light fab shed construction)	Qtr3 2023 to Qtr4 2024	

	Operation to fullest extent	Qtr1 2025 onwards
	Marine Energy Test Area (META)	
	Site identification	Qtr1 2018
	Site management	Qtr1 2018 to Qtr4 2022
	Consenting and leasing	Qtr2 2019
	Official opening of phase one	Qtr3 2019
	Legacy operation	Qtr1 2023 onwards
	Pembrokeshire Demonstration Zone (PDZ)	
	Project preparation and procurement	Qtr1 2020
	Consenting, EIA and surveys	Qtr1 2020 to Qtr2 2023
	Grid connection preparations	Qtr4 2020
	FEED and site investigations	Qtr1 2020 to Qtr3 2023
	Site resource data	Qtr1 2020 Qtr3 2023
	Seabed lease	Qtr4 2019 to Qtr3 2023
	Delivery strategy	Qtr4 2019 to Qtr3 2023
	Project management	Qtr3 2019 to Qtr1 2024
	Phase 3 commencement (Enabled by SBCD)	Qtr2 2024
	Marine Energy Engineering Centre of Excellence (MEECE)	
	Mobilisation	Qtr3 2018 to Qtr1 2019
	Delivery	Qtr2 2019 to Qtr4 2024
	Legacy operation	Qtr1 2025 onwards
Risks	Description	Mitigation
	Development & Delivery	
	One or more of the 4 PDM project partners withdraws from the project	Memorandum of Understanding/SLA to be signed by each of the 4 project partners and to be in place at the outset of the PDM project. This document to be approved by the Project Authority Lead. Funding approval letter in place between Project Lead and Project Authority Lead.
	Development	
	Environmental/ecological/archaeological constraints	Project to appoint specialist planning consultant to work with relevant planning/consenting agencies and ensure any findings and necessary mitigating measures are incorporated into outline planning application report
	Implementation	

	Deliverability of PDM within the City Deal programme timeframe.	Detailed time bound project delivery proposals for 4 elements of PDM to be set out in the 5 case business model.							
	Delay/failure to secure required consents	Early engagement with consenting authorities and key stakeholders. Project to appoint specialist consultants where appropriate. Ensure key consent milestones and interdependencies are included in project schedule and monitored closely. Project to carry out comprehensive surveys, where appropriate, and include findings and necessary mitigating measures in consent applications							
	Failure to ensure stakeholder buy-in to project concept	Project engaging with local community through public exhibitions and liaison groups, for example, to ensure that stakeholders are fully informed of impacts and there is opportunity for concerns to be addressed where possible.							
	Operational								
	Failure to attract developers/end users	Project partners to undertake market research to assess need and identify end user requirements.							
	Financial								
	Failure to secure funding package	Ensure credible and robust detailed business plan and financial profile is in place at outset. Written letters confirming all sources of funding to be in place at approval stage							
	Increase in design and construction costs	Ensure detailed costs in place for the all 4 elements of this project. Prepare tender in line with agreed budgets. Ensure project manager is in place from outset. Allow for a suitable contingency in the financial profile.							
Financial Profile		2018/19 (£m)	2019/20 (£m)	2020/21 (£m)	2021/22 (£m)	2022/23 (£m)	2023/24 (£m)	2024/25 (£m)	TOTAL (£m)
	City Deal	-	-	2.28	3.47	5.49	9.73	7.04	28.00
	Public	0.49	0.89	3.26	5.42	4.83	3.80	0.33	19.02
	Private	-	0.63	0.41	1.54	3.18	6.16	1.53	13.45
	TOTAL	0.49	1.53	5.95	10.43	13.49	19.68	8.90	60.47
Constraints	State Aid rules								
Dependencies	There are 4 elements to this project, each led by a different organisation. ERDF funding for PDI, MEECE, & PDZ. Planning Consents								

Supporting Innovation and Low Carbon Growth

Project Authority Lead	Neath Port Talbot County Borough Council
Project Delivery Lead	Neath Port Talbot County Borough Council

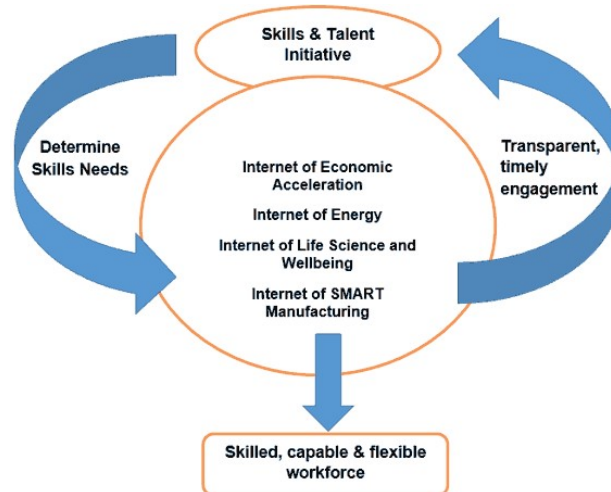
Total Cost	£60,400,000	City Deal	£47.7 million	
Description	<p>Focused on innovation, zero-carbon fuel and the future of steel, the project is made up of four elements:</p> <ol style="list-style-type: none"> 1. The Swansea Bay Technology Centre – An energy positive building that will provide office space for start-ups and local businesses, while also transmitting excess energy from solar and other renewable means to the nearby Hydrogen Centre. This energy will then be used to make zero-carbon fuel for council vehicles. 2. A National Steel Innovation Centre that aims to support the steel industry in Port Talbot and Wales. Research and development will be anchored into future steel-making across the region to further reduce carbon emissions. 3. Decarbonisation – Work with the FLEXIS research operation on a series of other projects, including the Swansea Bay Technology Centre/Hydrogen Centre energy link, establishing an electric vehicle charging route map, and air quality modelling and real-time monitoring. 4. Industrial Futures – This will address the gap between demand and supply to business and available land in the Port Talbot Waterfront Enterprise Zone, with a hybrid building providing production units with office space to support start-ups and indigenous businesses - especially those in the innovation and manufacturing sectors. There will also be laboratory space supported by Industry Wales for spin-outs to monetise research and development projects, as well as land remediation, flood defence work, construction of access roads and upgrading of highways. 			
Key Milestones	Activity	Date (using calendar year)		
	Business Case Development			
	Business case approved by NPT council cabinet	Qtr3 2019		
	Independent peer review	Qtr4 2019		
	Business case submitted to Economic Strategy Board, Programme Board and Joint Committee for approval of the project submission to the UKG/WG	Qtr4 2019		
	UKG/WG approval of the release of Government funding to the project	Qtr1 2020		
	Project Development			
	Swansea Bay Technology Centre			
	Two-stage design and build contract award	Qtr3 2019		
	Pre-Application Consultation (PAC)	Qtr1 2020		
	Technical design	Qtr2 2020		
	Full planning consent	Qtr2 2020		
	Construction start	Qtr2 2020		
	Construction complete	Qtr3 2021		
	National Steel Innovation Centre			
	Site confirmation	Qtr4 2019		
	Tender period two stage-procurement (Design and build)	Qtr1 2020		
Pre-Application Consultation (PAC)	Qtr4 2020			
Full planning consent	Qtr1 2021			
Start construction	Qtr2 2021			

	Construction complete	Qtr3 2022					
	Decarbonisation						
	Purchase and install air quality monitors	Qtr4 2019					
	Monitor air quality via data analytics	Qtr1 2020					
	Start work with key partners on evidence-based electric vehicle charging strategy	Qtr1 2020					
	Mobilisation of electric link between Swansea Bay Technology Centre and Hydrogen Centre	Qtr3 2021					
	Development of commercial strategy	Qtr1 2022					
	Industrial futures						
	Start of two-stage design and procurement process for production facility	Qtr1 2020					
	Start of two-stage design and procurement process for R&D innovation and growth facility	Qtr1 2020					
	Opening of three-year Property Development Fund scheme	Qtr2 2020					
	Completion of production facility construction	Qtr4 2021					
	Completion of R&D innovation and growth facility construction	Qtr4 2021					
Risks	Description	Mitigation					
	Development						
	Delay in planning conditions / consent	Early engagement with stakeholders and consent authorities to raise any issues early on.					
	Delay in procurement of contractors	Utilise existing procurement frameworks. Early engagement with contractors to identify issues which may cause delay and require specialist input. Monitor and review progress of contractor throughout procurement process.					
	Operational						
	New centres do not suit end-user needs	Regular design meetings involving end-users at initial design and fit-out stage. Early identification of supply chain.					
	Financial						
Failure to secure funding package	Ensure credible and robust detailed business plan and financial profile is in place at outset. Written letters confirming all sources of funding to be in place at approval stage.						
Financial Profile		2019/20 (£m)	2020/21 (£m)	2021/22 (£m)	2022/23 (£m)	2023/24 (£m)	TOTAL (£m)
	City Deal	0.50	14.40	24.20	8.55	0.05	47.70
	Public		2.00	2.00	2.00	1.70	7.70
	Private		1.50	1.50	1.50	0.50	5.00
	TOTAL	0.50	17.90	27.70	12.05	2.25	60.40
Dependencies	Planning consents						

10.0 Interdependencies & Project Synergies

10.1 Interdependencies

Interdependence 1 - The SBCD Skills and Talent Initiative Project & *The Internet Coast*



The aim of the City Deal proposal is to create an uplift in GVA, helping close the ever-increasing gap between regional and national averages. In order to achieve this, the development of a workforce that is capable, responsive and skilled is key. The portfolio of City Deal projects share this commonality in objective and each will create opportunities for the region's current and future workforce.

The Skills and Talent Initiative will be instrumental in determining the skills needs of the other projects and, in turn, will support regional education providers to deliver the skills solutions required. It is anticipated that skills will broadly be required in, but not limited to, the areas of ICT and digital, health, manufacturing and engineering, aligning closely to the four themes of the SBCD programme. There will be opportunities for the transferability of skills between projects and therefore across the region, creating a thriving talent base.

Undeniably, underpinning each of the projects, therefore, is skills and talent, a theme that runs strongly throughout and which will determine the overall success of the City Deal Programme. The right people with the right skills, available in the region at the right time, is the most important consideration and challenge for the City Deal. Without a strong, capable and flexible workforce the SBCD would struggle to deliver programme outcomes and therefore not have the transformational effect it aims to achieve.

A further key determinant of success is the preparedness and capability of future generations to capitalise on the opportunities presented by the proposal. The Skills & Talent Initiative recognises the importance of younger generations being well-informed. This will help create a sustainable pipeline of talent which is ready and able to both support and further develop the future economy of the Swansea Bay City Region.

It is therefore the intention of the Skills & Talent Initiative to foster the themes of entrepreneurship and digital innovation, given their strategic importance to the Swansea Bay City Deal Programme, and to work with key stakeholders to align provision to these key themes. As such, these two areas will be focussed on in schools and, increasingly so, in further and higher education institutions.

In addition, there is opportunity for synergy in terms of skills between the four themes at a more specific level. Energy, Life Science & Well-being and Smart Manufacturing are of critical strategic importance in their own right, but through the City Deal they are interconnected and mutually supportive.

The 21st Century is a multidisciplinary age which transcends sectors, with the majority of innovative solutions to the most pressing challenges residing in the collision of disciplines. The further and higher education institutions operating within the region already have an exemplary offer of provision within these areas. Aligning their offer more closely to the specific needs of the City Deal and identifying where there are opportunities for multi-disciplinary teaching will create skilled individuals with the transferable skills needed to work across the region.

Interdependence 2 - The Internet of Economic Acceleration and its Constituent Projects

The proposal and its constituent projects are built on a solid foundation characterised by an advanced digital infrastructure. A lack of an effective and reliable next generation digital infrastructure will hinder the development and exploitation of new technologies and capabilities which could negatively impact the success of key projects. The level of interdependency varies across the projects, with some relying on digital elements more than others.

Primarily, the successful implementation of the Digital Infrastructure project will allow for the establishment of 5G testbeds that will enable innovation and entrepreneurship. These are themes that are especially crucial for Yr Egin, the Swansea City and Waterfront Digital District and the Industrial Futures element of the Supporting Innovation and Low Carbon Growth programme. A lack of these testbeds would create significant barriers to the attraction and retention of talent, businesses, key industry leaders and inward investment to the area which are crucial to the success of those projects.

Interdependence 3 - The Internet of Economic Acceleration and the Internet of Energy

An innovative digital infrastructure is particularly pertinent for the Homes as Power Stations project. Imperative to the proposal is the utilisation of the internet to create innovative and sustainable energy generation. Combined with storage and efficiency, this will be supported by the use of smart metering. The effective use of smart metering is integral to the proposal as it will allow users to manage their own energy usage, while also assisting in the measurement of the efficiencies achieved.

Advanced, innovative digital infrastructure will also accelerate the delivery and evaluation of marine energy solutions forming part of the Pembroke Dock Marine project, while also assisting the decarbonisation elements of Neath Port Talbot's

Supporting Innovation and Low Carbon Growth programme, which includes real-time air quality modelling and monitoring as well as enhanced charging infrastructure for electric vehicles.

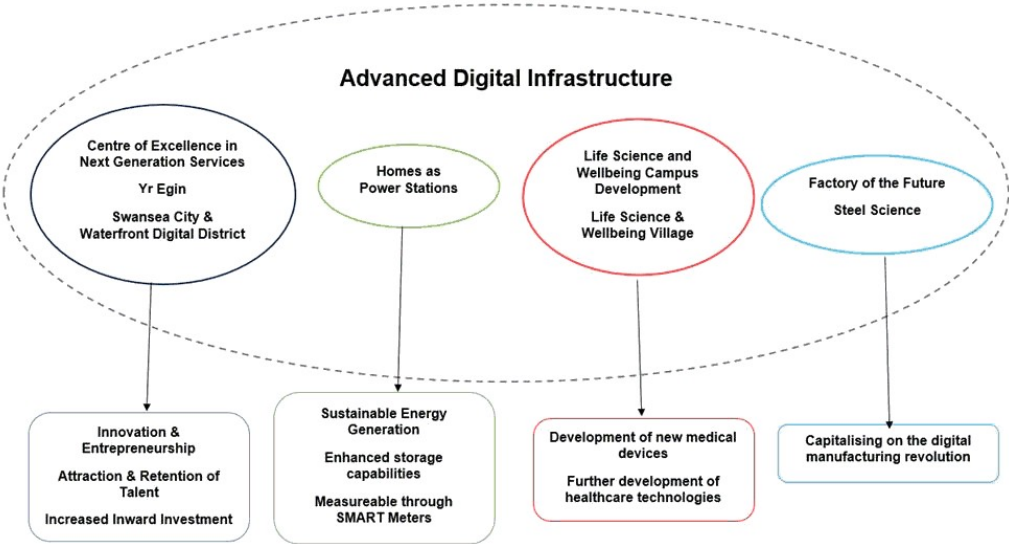
Interdependence 4 - The Internet of Economic Acceleration and the Internet of Life Science and Well-being

The developments proposed by both the Life Science and Wellbeing Campus and Village projects are heavily reliant on an innovative digital infrastructure. A lack of this infrastructure would impact on the development of new medical devices and healthcare technologies forming part of these projects.

Interdependence 5 - The Internet of Economic Acceleration and Smart Manufacturing

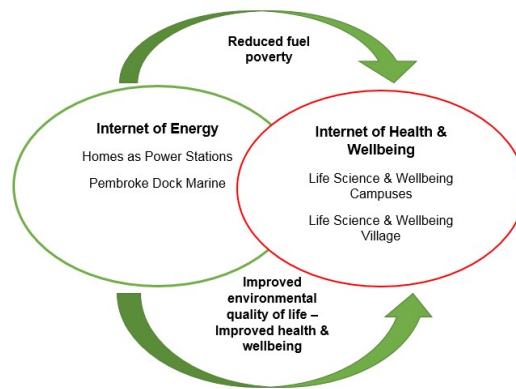
Manufacturing elements of the Supporting Innovation and Low Carbon Growth programme, including the Steel Science project, are reliant on the use of next generation technologies.

These technologies – which will further advance and emerge in coming years - include cyber-physical systems, the internet of things, cloud computing and cognitive computing. These are all elements that require a strong digital infrastructure to capitalise on continual advancements in digital manufacturing.



10.2 Synergies

Synergy 1 - Energy and Life Science & Wellbeing



The economic well-being of Wales has been historically reliant on the strength of heavy industry and traditional manufacturing.

But with the gradual decline of these industries in recent decades, far greater emphasis is now placed on fostering economic growth, development and social inclusion, while ensuring natural assets continue to provide resources on which our well-being relies.

This further emphasises the importance of the green economy as a key component within the City Deal portfolio, with the investment programme's four themes closely aligning to well-being, the environment, manufacturing and economic growth.

The environmental and resource productivity of the economy is strongly linked to Homes as Power Stations, Pembroke Dock Marine and the decarbonisation elements of the Supporting Innovation and Low Carbon Growth programme, with all aiming to produce and promote sustainable energy.

The production of green energy has a positive impact on the environment as it generates little if any of the water and air pollution associated with traditional fossil fuels which costs public health services an estimated \$74.6 billion a year, according to a Harvard University study.

This shows how green energy can directly affect the health and well-being of individuals living and working in the region by reducing the risk of cardiovascular and respiratory diseases associated with traditional energy production. This direct link creates synergy with the Life Science and Well-being Campus and Life Science and Well-being Village projects.

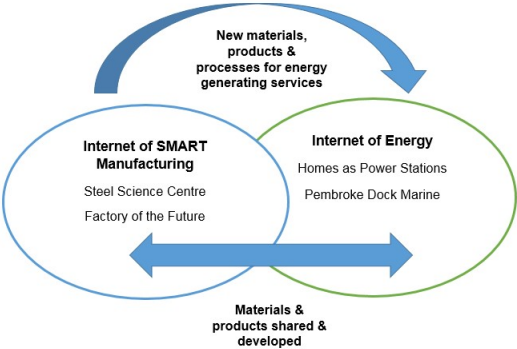
The Homes as Power Stations project will also help tackle fuel poverty, which has an impact on health and well-being. Research forming part of the project will create an evidence base in support of disruptive innovation to meet this objective.

Synergies between energy and life science & well-being can also be evidenced by the Supporting Innovation and Low Carbon Growth programme in Neath Port Talbot.

The programme's focus on decarbonisation and improving air quality will lead to environmental benefits in Neath Port Talbot and beyond that will boost the health and well-being of contemporary residents and generations to come.

Also forming part of the programme is a drive to encourage greater uptake of electric vehicles, which will lead to environmental benefits throughout the region and elsewhere. This will place South West Wales at the heart of global innovation as an example of best practice for embracing this kind of technology as a conduit to environmental improvements.

Synergy 2 - Energy and Smart Manufacturing

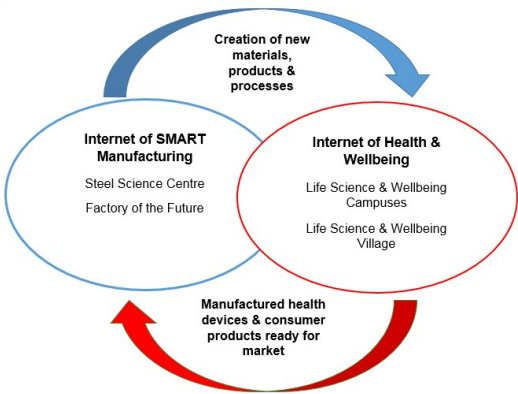


The Steel Science project will be in a prime position to have a significant impact on the Green Growth agenda. As well as developing and implementing ultra-low carbon steel making technologies, the new materials, products and processes created at the Centre will provide the opportunity to radically rethink the built environment for energy generating services. This will improve the regional natural asset base, helping promote the implementation of good environmental management in primary industries. This substantiates its synergy to Homes as Power Stations and Pembroke Dock Marine where materials and products may be shared and developed.

Furthermore, the Pembroke Dock Marine programme builds on momentum already under way regionally, in developing innovative marine energy solutions. This technology will require a local manufacturing base which builds upon the heavy engineering and steel generating capability of the region. Additionally, Homes as Power Stations provides the opportunity to expand existing pilot activities across the UK steel sector. This extends from smart coatings on steel substrates through to innovative storage and control.

As part of Neath Port Talbot's Supporting Innovation and Low Carbon Growth programme, excess energy from solar and other renewable technologies at the Swansea Bay Technology Centre will be converted into hydrogen at the nearby Hydrogen Centre to fuel hydrogen vehicles.

Synergy 3 - SMART Manufacturing and Life Science & Well-Being



The connections between manufacturing and life science and well-being are long-established but the introduction of smart life science and smart manufacturing have placed more importance on this relationship in recent years. The Life Science and Well-being Campus, the Life Science and Well-being Village and the Steel Science projects are those which illustrate the greatest alignment.

The region already has examples of Life Science and Well-being innovation created locally, manufactured locally and exported from the region to global markets. Examples include therapeutic devices, diagnostic devices and consumer products.

The Steel Science Centre will create new materials, products and processes, many of which will have applications in life science & well-being. This will provide the opportunity to shape the development of intelligent sterile environments, supporting disruptive technologies for telehealth like smart wearables and intelligent dressings.

The demand for next generation healthcare and smarter ways of manufacturing highlights the parallels between the two. They are both areas in transformation where new opportunities in IT to meet demands are creating more opportunities for closer working.