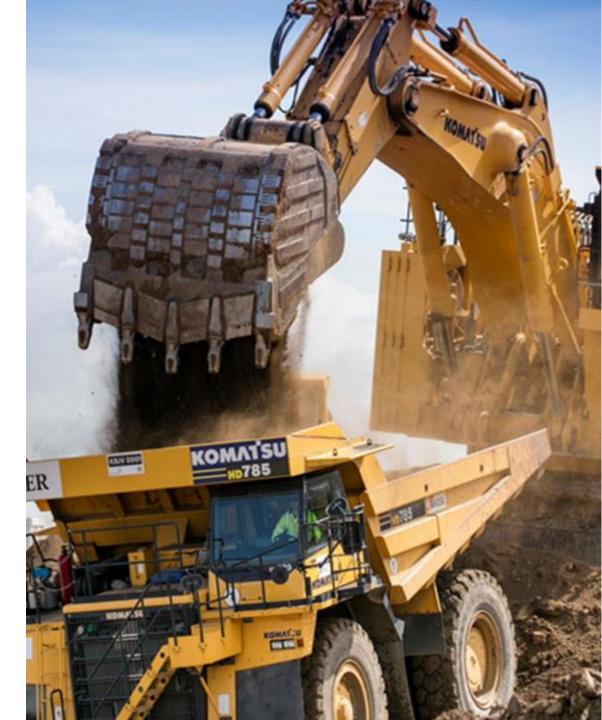
National and Major Infrastructure Projects: Capturing the Benefits Through Planning

Claire Pearce Director of Planning and Economic Development, Gravity

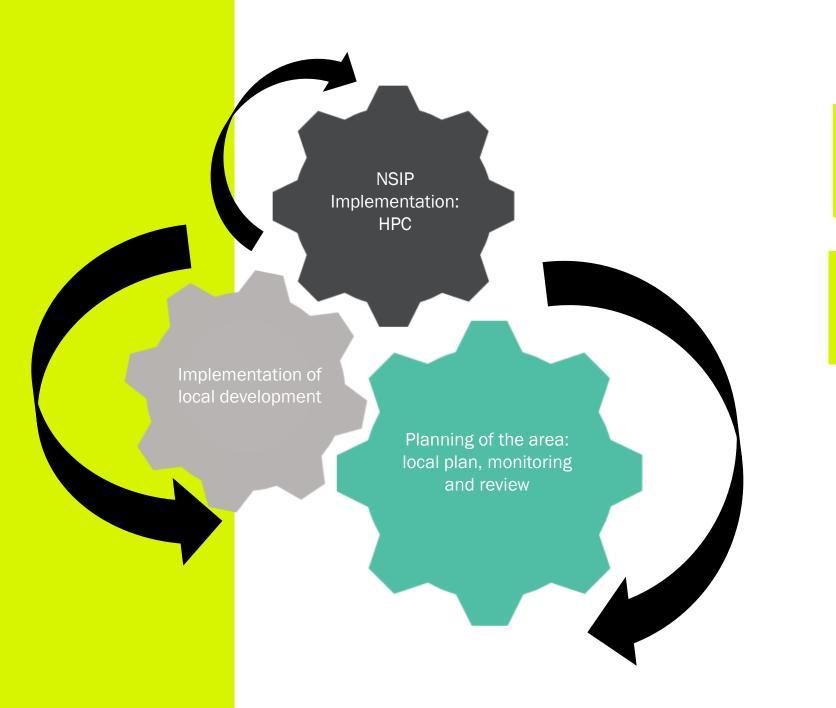
- + Introduction
- + National policy alignment? Priorities?
- + Personal perspective: positive planning, place, performance
- + The role of planning to make sense of it all
- + Today focus on the Hot<mark>SW: HPC and Gravity</mark>
- + The MANY roles of the planner macro to micro
- + Baseline; proportionate, priorities, outcomes; solutions
- + Project legacy, 'our' legacy
- + Improvements to places for communities to thrive



Hinkley Point C – just a construction project ?

- + £19b 7% of UK energy ne<mark>eds, 6m homes first unit 2025</mark>
- + Global inward investment project, multi-generational effects
- + 25,000 jobs, 5600 pd at peak, 700 permanent jobs
- + 190ha main site, multiple associated and ancillary sites
- + 4 park and ride sites, 2 temporary campuses for 1500 workers, jetty and wharf
- + Transport improvements across 15 miles
- Timeline: Site selection 2008, 2009 PPA ,2010 Site prep works (£25m mitigation, 2014 DCO commenced (£75m), 2016 FID
- + 2017 Earthworks, 2020 Civils, 2021 peak



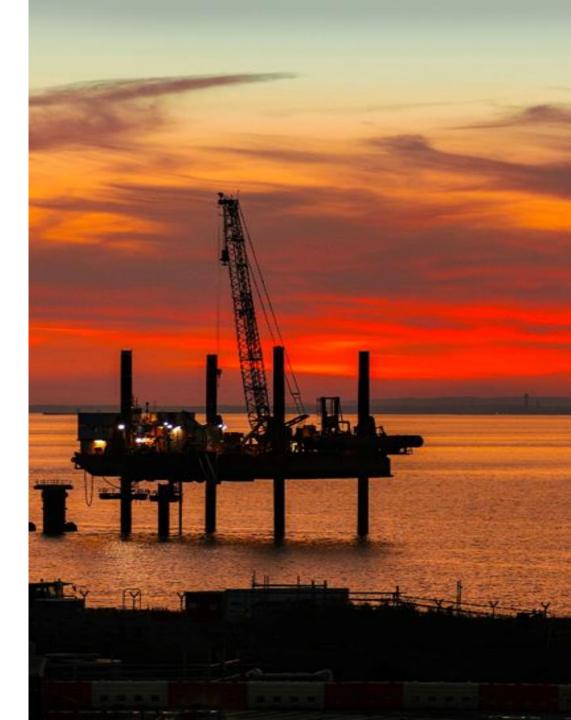


Use spatial planning as a planning as positive tool to lead and shape transformation.

Being innovative, creative and enabling progressive decisions and outcomes.

Hinkley Point C

- + No governmental support/ assistance
- + Opportunity for the 3 primary authorities
- + Key decisions about degree, depth, resourcing, challenge
- + Sedgemoor took initiative: max benefits, min impacts
- + Leadership role shared vision, objectives, outcomes
- + Strategic planning: Clear vision: long term thinking
- + HPC PPA recognised nationally as best practice
- + Local Impact Report, S106, 3 primary controls



Designing in Benefits

PPA : "A significant contribution towards:

- + Socio –economic benefits during construction and operation
- + Local employment opportunities
- + Training and workforce development
- + Leisure services
- + Expenditure on local facilities
- + Businesses in the supply chain
- + Place transformation- infrastructure investment

Dillington visions 2010:

- + Housing
- + Economic development
- + Low carbon future
- + Education, employment and skills
- + Community well being



Approach to benefits realisation

- + Two planning systems one place
- + A Proactive, Dynamic, Future Proof Strategy
- + Economic led transformation strategy over 20 years
- + Shaping and Delivering Planning Mitigation
- + Anticipating and shaping a 'Place Based Vision'
- + Leveraging other funding to secure and add value to legacy
- + Reverse engineering legacy
- + Attitude: commitment, resilience, focused on transformation



Driving out benefits

- + Managing risk: Avoid boom and bust
- + Using tools: £130m section 106 agreements
- + Marshalling investment and delivery- National College for Nuclear (NCFN)
- + Somerset Energy Innovation Centre & Somerset Low Carbon Energy Hub (SEIC)
- + EDF Energy Low Carbon Leadership Training Campus (Cannington Court)
- + Bridgwater Gateway Employment Site
- + Skills and Training BTC's Advanced Engineering Centre & Construction Skills Centre
- + Under Construction



Capturing benefits to place:

National College for Nuclear



Capturing benefits to place:

Somerset Energy Innovation Centre & Somerset Low Carbon Energy Hub



Advanced Engineering & Construction Skills Centres





Cannington Court Regeneration: Listed building restoration





Enabling expenditure and creating opportunities

- + >£1.5 billion spend to date, £840million in South West
- + £20m Community funds
- + Inspiring young people
- + Tackling deprivation and long term unemployment and under-employment

Creating Opportunity for training and skills enhancement: E.g. NCfN construction LLA delivered:

- + 98 jobs (87 to employees in TA postcode)
- + 5 work placements to BTC students
- + 433 weeks of training completed by 22 employees
- + 8 workers secured new qualifications at NVQ Level 2 or above
- + 114 new industry certifications gained by workforce
- Educational facilities for training across all levels including apprenticeships, vocational and degree / masters.
- Significant range of benefits across social, economic and environmental aspects of sustainability: inclusivity



Substantiality benefits

- + Enabling low carbon energy generation
- + Targeting the infrastructure deficit
- + Travel demand management
- + SEIC Creating a sustainable economic legacy through the growth of a South West low-carbon energy cluster. BREEAM Excellent.
- + NCfN Social sustainability through high value training. BREEAM Excellent.
- + Gateway 3000 jobs, 25,000 trees & shrubs.
- + Cannington Court first large scale example of a ground-source heat pump combined with solar thermal technology. Grade I Listed.
- + Using HPC capacity and capability as a driver
- + Next phase of economic transformation underway: Gravity



Making a difference – Capturing benefit

- + PPA- creating capacity, evidence, leverage
- + Long-term planning policy framework with clear vision
- Transformational effect on communities, educational opportunity, quality of life and economic prosperity
- Creating Value: Planning can provide flexibility through TCPA regimes.
 Experts in their localities and how they function
- + Critical role in requirement / obligation discharge, change management and implementation – driving out legacy
- + Unlocking private investment
- + Realising tangible outcomes in communities



Shaping the next generation of investment:

Gravity

Smart Campus



Supporting the Industrial Strategy Grand Challenges

A business which is:

- + Responding to opportunities in the UK and SW
- + Enormous opportunity to realise added value and achieve sustainable legacy beyond HPC
- Delivering a bold vision as a response to the cultural shift in the digital economy, consumption changes and automation development, affecting the commercial landscape
- + A catalyst for **regional change** and **innovation**
- + Developing a **live-work-play** environment to meet the needs of tomorrow's workforce
- + Underpinned by a **Clean Growth** strategy which is focused on the future economic growth of the UK



Leading The UK's Sustainable Economic Growth

- + Smart Campus: Exemplary use of AI & IoT, data, environmental performance
- + Clean Growth: The South West has an opportunity to 'lead' the Clean Growth space in the UK
- + Future of Mobility: Research and innovation centre in partnership with UWE: EV, AV, rail, passenger transport active travel choices
- + Ageing Society: Live-work-play, inclusive and holistic approach to wellbeing, cycling and walking trails, investment in natural environment as an asset



Smart Tech







Community / Local Services



Future of mobility

An Opportunity with Significant Global Interest

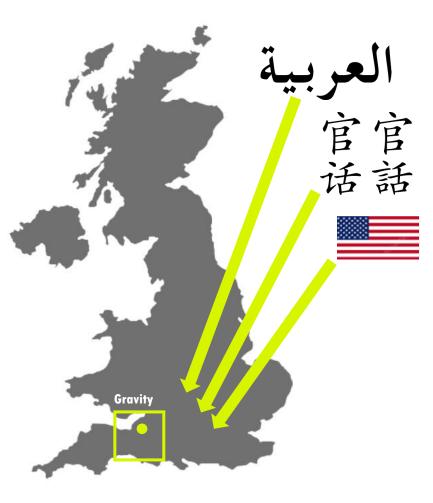
A catalyst for change: Supporting regional and national economic development by attracting modern and innovative businesses and inward investment.

High economic impact: Expected to create over 4,000 jobs and contribute ~£500 million to the local economy. **Supported by UK government**: An Enterprise Zone supported by the Government and aligned to the UK Industrial Strategy's Clean Growth Initiative.

Leading in the Clean Growth space: Developing a bold brand that has the opportunity to be internationally recognised and act as a beacon for change to encourage sustainable economic growth.

Developing Britain's future: An expression of the creativity, innovation and pioneering spirit that is making Britain great.

One of a kind: Placing quality, community and well-being at the core of a high-tech innovation and industrial campus on a scale not seen before in the UK.



Core Attributes

Gravity

National Government Support

Enterprise Zone; strategy aligned with key UK initiatives e.g. Clean Growth

Local Government Support

Progressive and engaged Local Enterprise Partnership ("LEP") and District Council with previous experience of a major project (Hinkley Point). Gravity was the first private company to receive a UK transport grant for infrastructure

Skilled Workforce

Strong supply of skilled employees and research facilities within commuting distance

Cultural Appeal

Desirable natural setting in proximity to the coast, bordering a National Nature Reserve and within 15 miles of two Areas of Dutstanding Natural Beauty

Placemaking

Placing quality, community and well-being at the core which is fit for a changing world of employment



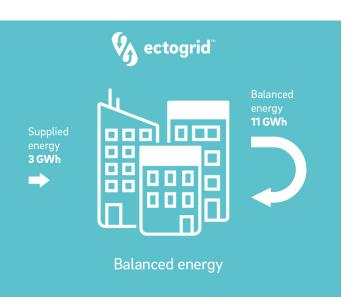
Re-thinking Energy



District heating/District cooling



Supplied energy



Access to best-in-class talent pool

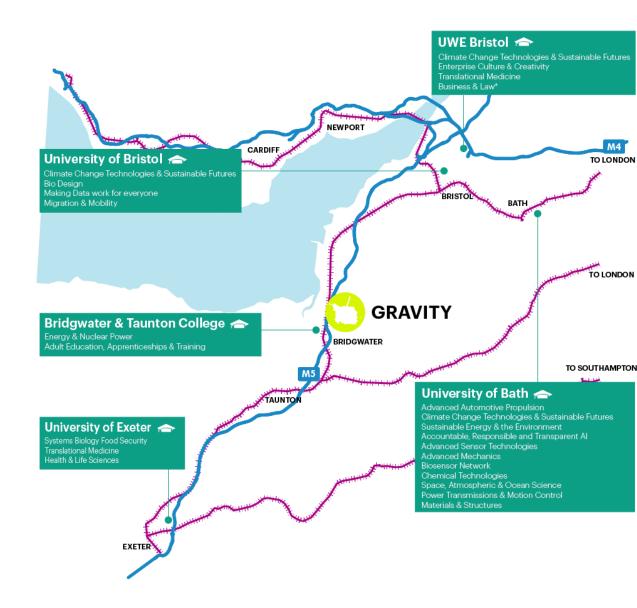
Sedgemoor District sits within a region hosting world class universities with innovation and clean growth-focused research faculties as shown on the map to the right.

By creating an attractive environment for researchers and highly skilled workers, the site will enable occupants to retain top talent in the region and generate a cluster of innovation in the Clean Growth sector.

Key research areas include:

- + Sustainable Energy
- + Climate Change Technologies
- + Power Transmissions & Motion Control
- + Advanced Mechanics
- + Food Security

In addition, Gravity falls within a 60 minute catchment of Bristol where over 50% of the workforce has qualifications at level 4 or above ⁽¹⁾.



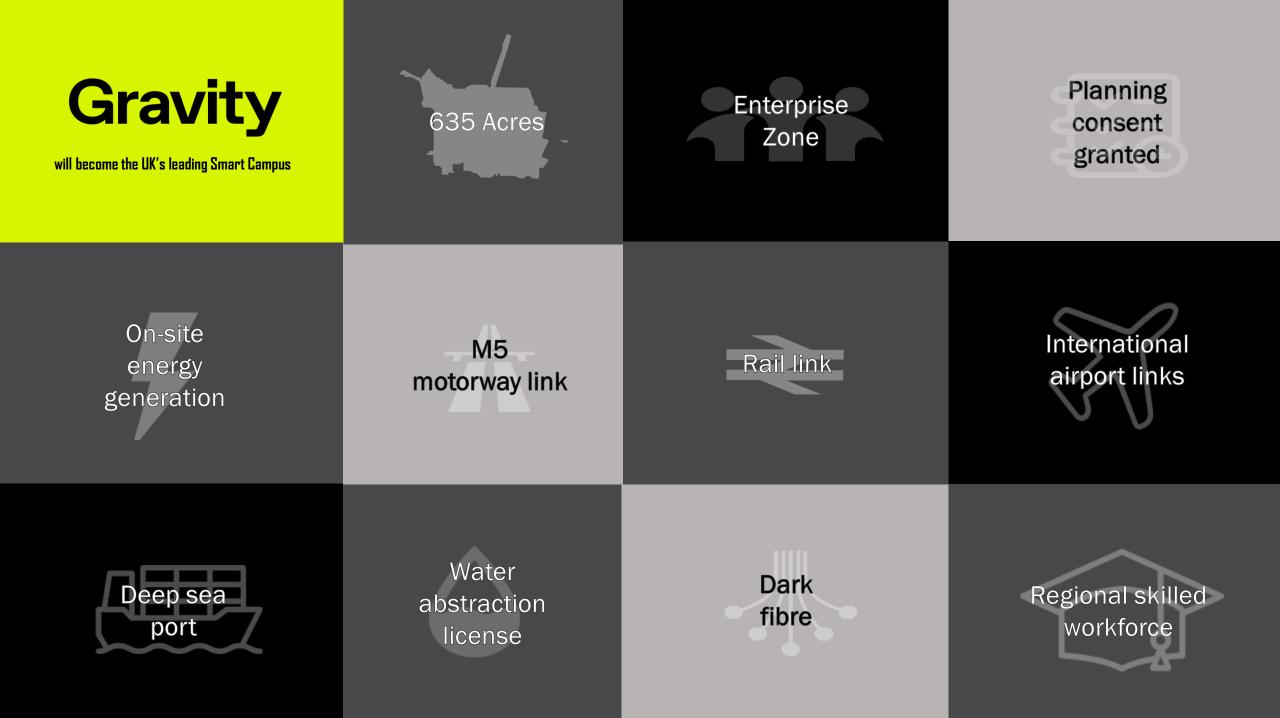
Vision

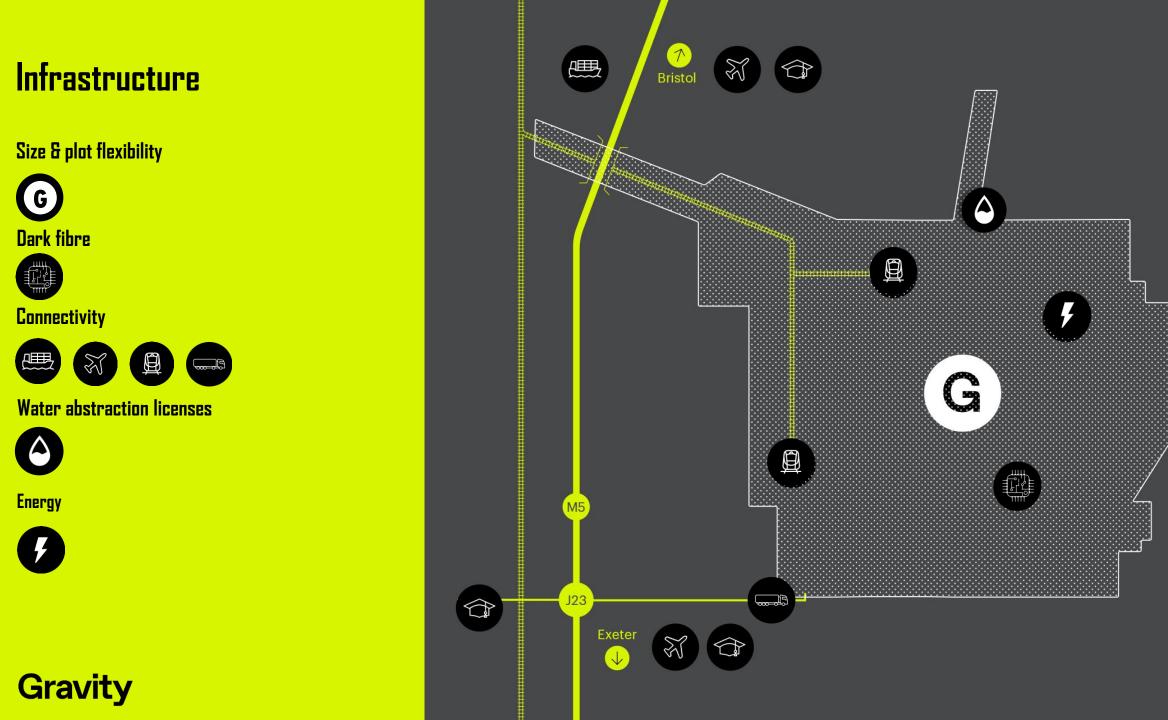
Gravity will be an intelligent, sustainable, connected and immersive mixed-use campus, home to the world's most innovative companies.

Purpose built, diverse workspaces and resilient technologies will be set against an established natural landscape – supporting a culture of innovation and well-being that blends the boundaries between work and play.

Gravity will be designed to shape connections between people and the places in which they work, for a cleaner, sustainable future.







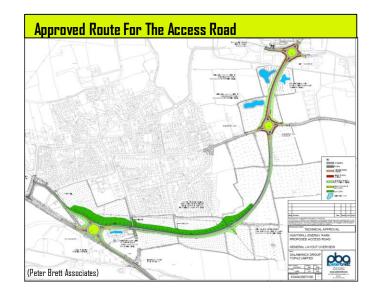


Unlocking the Site – New Access Road

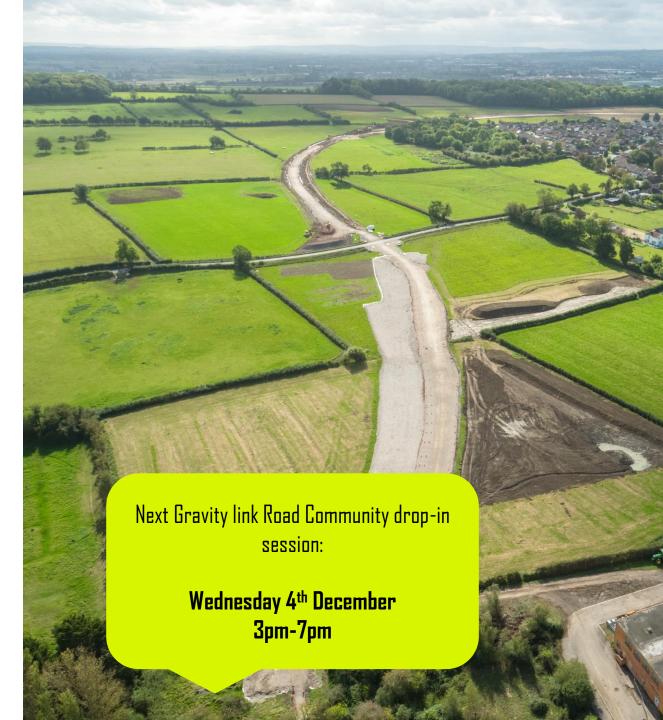
The construction of the access road, which will provide direct access to junction 23 of the M5, and will be the first key step in bringing Gravity forward as a viable commercial destination.

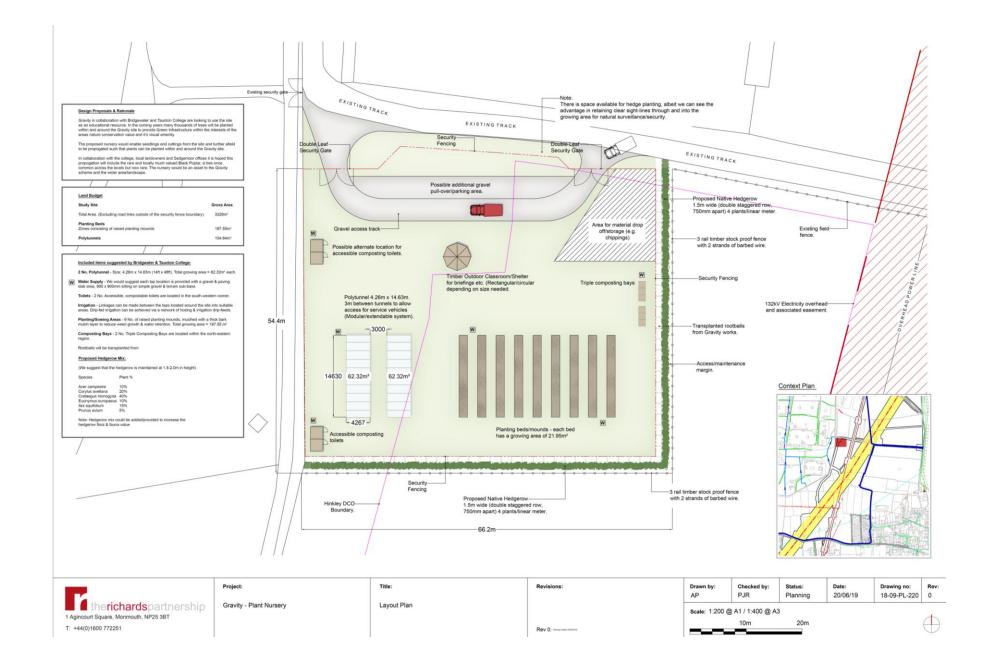
In April 2018 the Heart of the South West LEP approved a £3.94m grant to Gravity towards the cost of the road. This is the first UK transport grant given to a private company for this purpose.

Practical completion of the road will be in H2 2020.









The Hub

Building 1/7 Central stores – viewed from the north-west



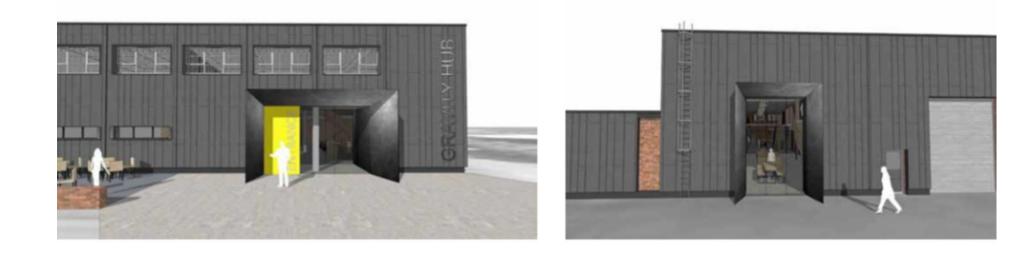




The Hub

Building 1/7 Central stores – viewed from the north-west







Local Opportunity's at Gravity

+ 2020 to 2042

- + Third party supply chain tender process
- + Sedgemoor, Somerset, HotSWLEP and wider Great SW area, UK, international
- + Thisisgravity.co.uk/localbusinesses

Working Together Opportunities



We are very much aware that local businesses are the backbone of our economy. Gravity is committed to supporting small businesses to support a strong and sustainable local economy foundation.

As our smart campus progresses, new opportunities will present themselves to local and regional businesses.

At the moment, no opportunities are available. Please fill in the form to register your interest and we will be in touch when an opportunity arises.

Na	m	e

Name	
Name	
Email	
Email	

Contact Number

Name of business	Name	of	business
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Creating, Enabling and Capturing Benefit

- + Strategic Horizon scanning, big picture
- + Continuous learning
- + Be externally aware politics, economy
- + Get under the skin on Place performance SML
- + Vision, policy, plans, priorities not just 'planning'
- + Collaboration between public and private sectors
- + Welcome innovation and change
- + Craft solutions to enable
- + Agility manage risk, manage the system work
- + Don't hide behind it
- + Relish the opportunity to achieve and create a personal legacy
- + Delivery: making a real difference to enhance lives

Thank you

