

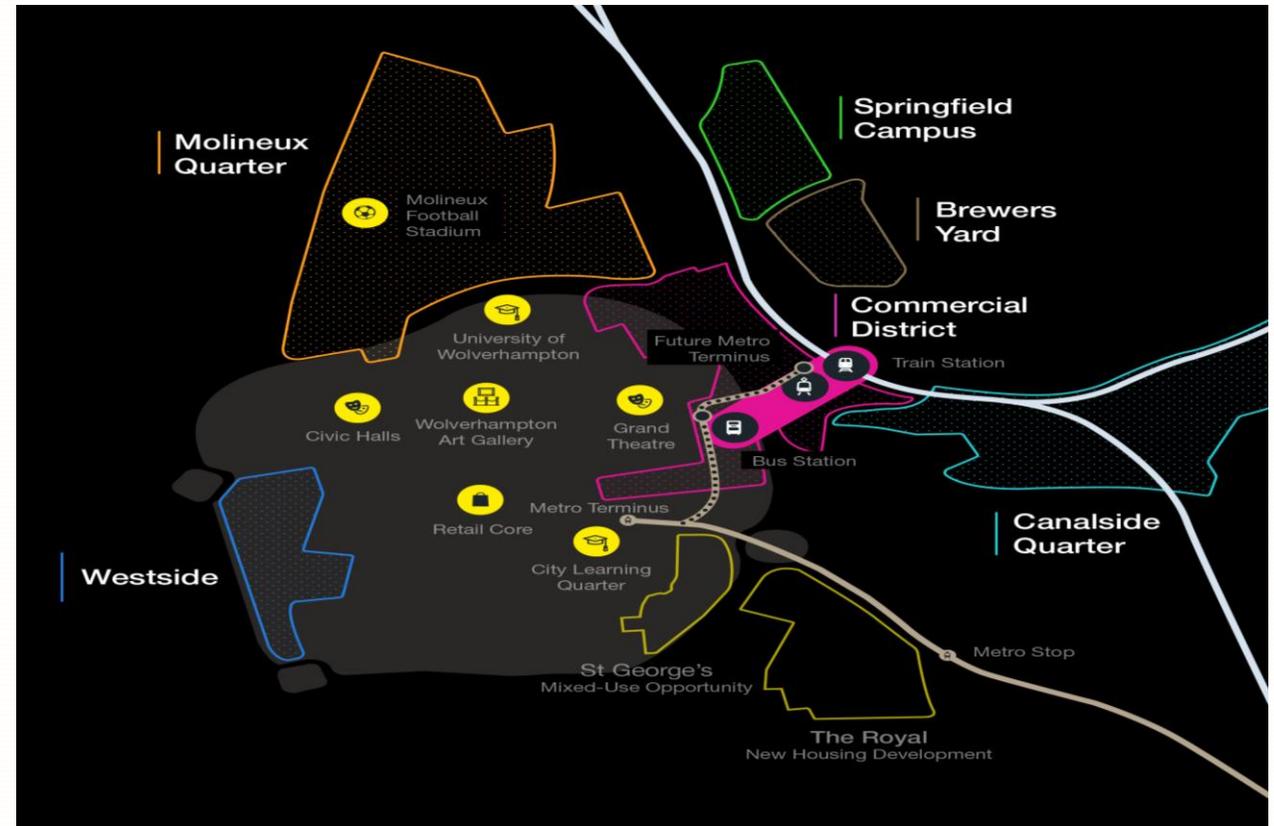
National Brownfield Institute

Prof Mohammed Arif
Head of School, Architecture and Built Environment



Strategic Approach

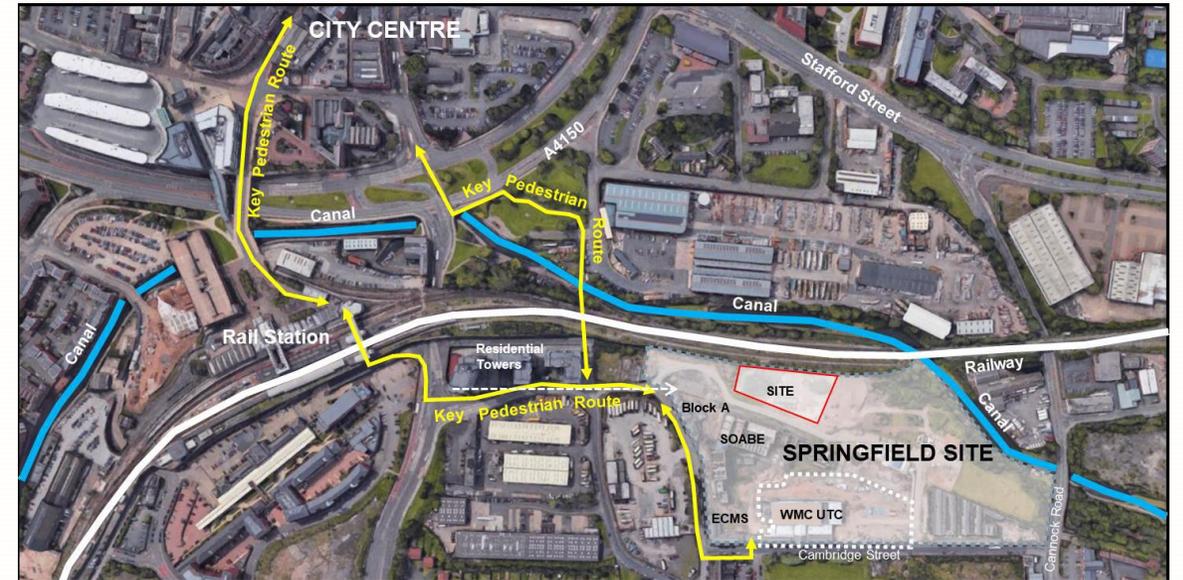
- Adjacent to game-changing city centre developments
- Huge opportunity to influence construction methods including 1,000's of sustainable new homes at Brewers Yard and Canalside Quarter, 1 million sq ft of new office space at Commercial District
- Great connectivity
- 5G Application Accelerator at UoW Science Park
- Strong Developer and Investor interest
- **The next stage in establishing Springfield as a Construction Catapult**





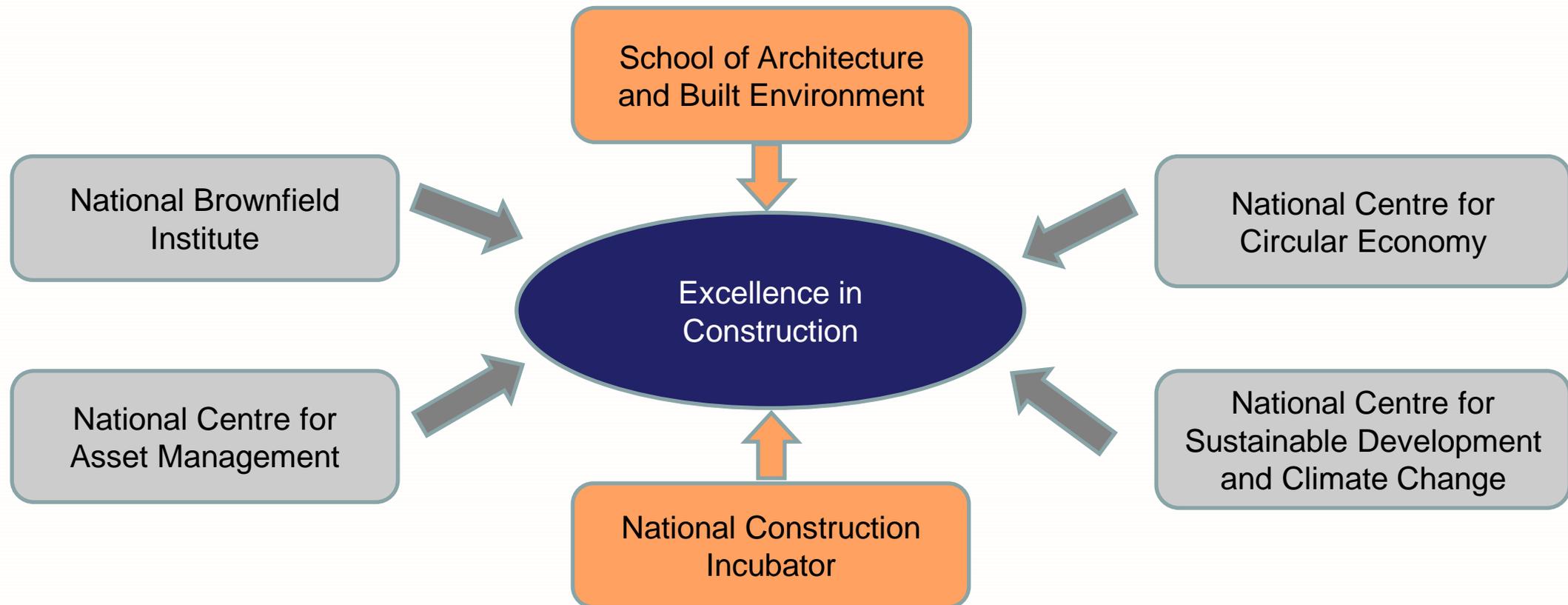
Vision

A world class construction, regeneration and built environment cluster offering teaching and skills development, cutting edge research and innovation, and business led creativity driving the circular economy.





Centre for Sustainable Construction and Circular Economy





Springfield Campus

- **Thomas Telford UTC**
giving young people the skills required by the construction industry
- **Elite Centre for Manufacturing Skills**
a flagship training facility enhancing productivity in the High Value Manufacturing sector
- **School of Architecture and Built Environment**
supporting skills in architecture, construction, civil engineering, building control/services, facilities management, quantity surveying, planning, construction management, housing and commercial





National Brownfield Institute Vision

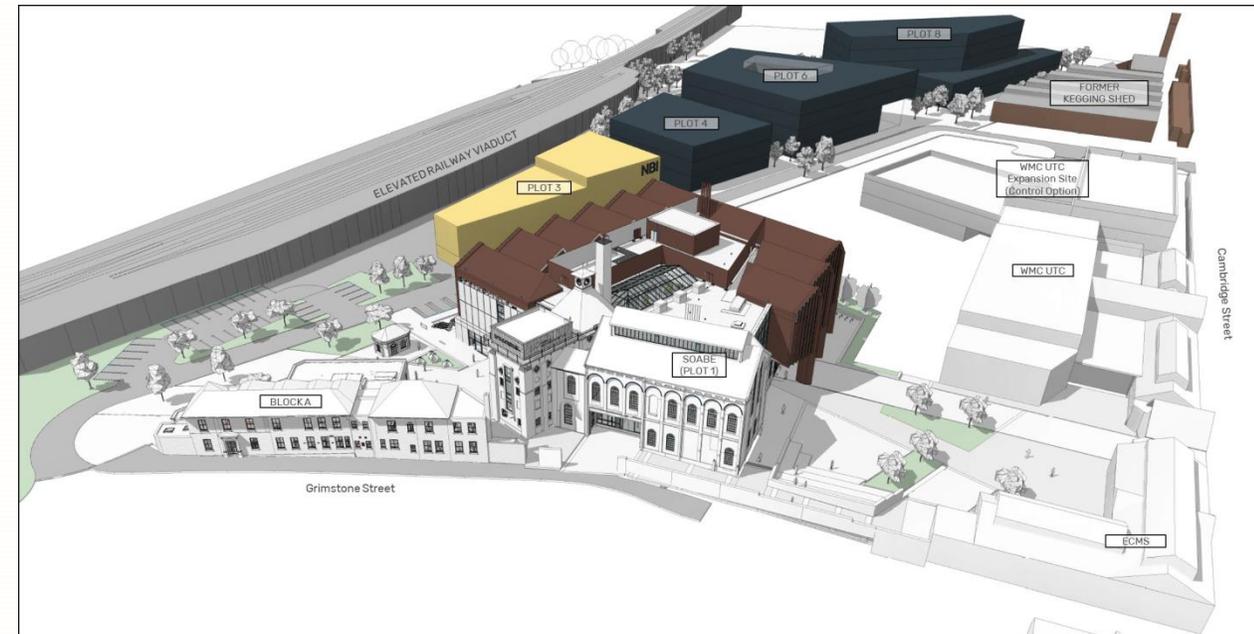
“Create a world-class brownfield regeneration industry cluster through multi-sector partnership, based at the University of Wolverhampton’s Springfield site.”



Realising the vision

The multi-million pound National Brownfield Institute (NBI) will realise the city's vision of becoming an International Centre of Excellence in brownfield regeneration, sustainable construction and circular economy.

- Securing city's position at the forefront of construction and brownfield development nationally and internationally
- Bringing new skills, innovative technologies and new policies for remediation and regeneration of brownfield sites
- Contributing to the 'levelling up' and green growth agendas





Transformative Impact: Students

- New Courses/modules in Brownfield Remediation
- WLW Graduates Uniquely Qualified For Brownfield Related Jobs
- Access to Industry and Cutting Edge Knowledge
- Potential for Internships and Placements
- Access to Industry Leaders in Brownfield through Guest Lectures



Transformative Impact: Research

- Unique Research Facility in the World Addressing Key Issues in
 - Soil Testing Remediation
 - Groundwater Testing and Remediation
 - Social and Economic Factors in Brownfield Remediation
 - Planning and Decision Support Systems Development for Brownfield Development
 - Nationwide Database and Digital Twin for Brownfield Sites in the UK



Transformative Impact: Knowledge Exchange/Transfer

- Support Local and National Enterprise with Brownfield Related Expertise
- Act as National Knowledge Hub for Brownfield Development
- Policy Institute to Influence Government Brownfield Policies at National, Regional and Local Levels
- Extensive Knowledge Transfer
 - Reskilling
 - Upskilling
 - Retraining

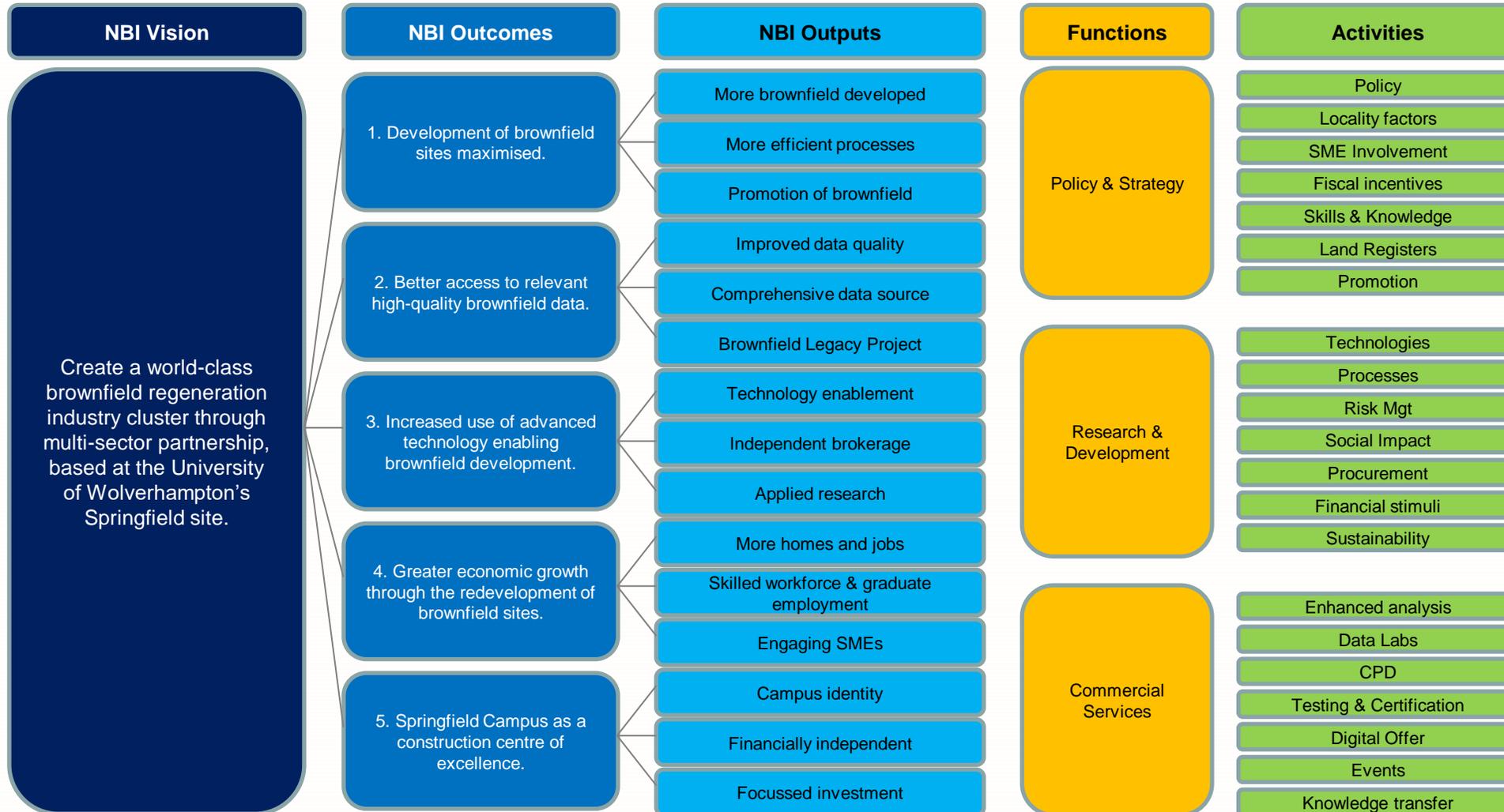


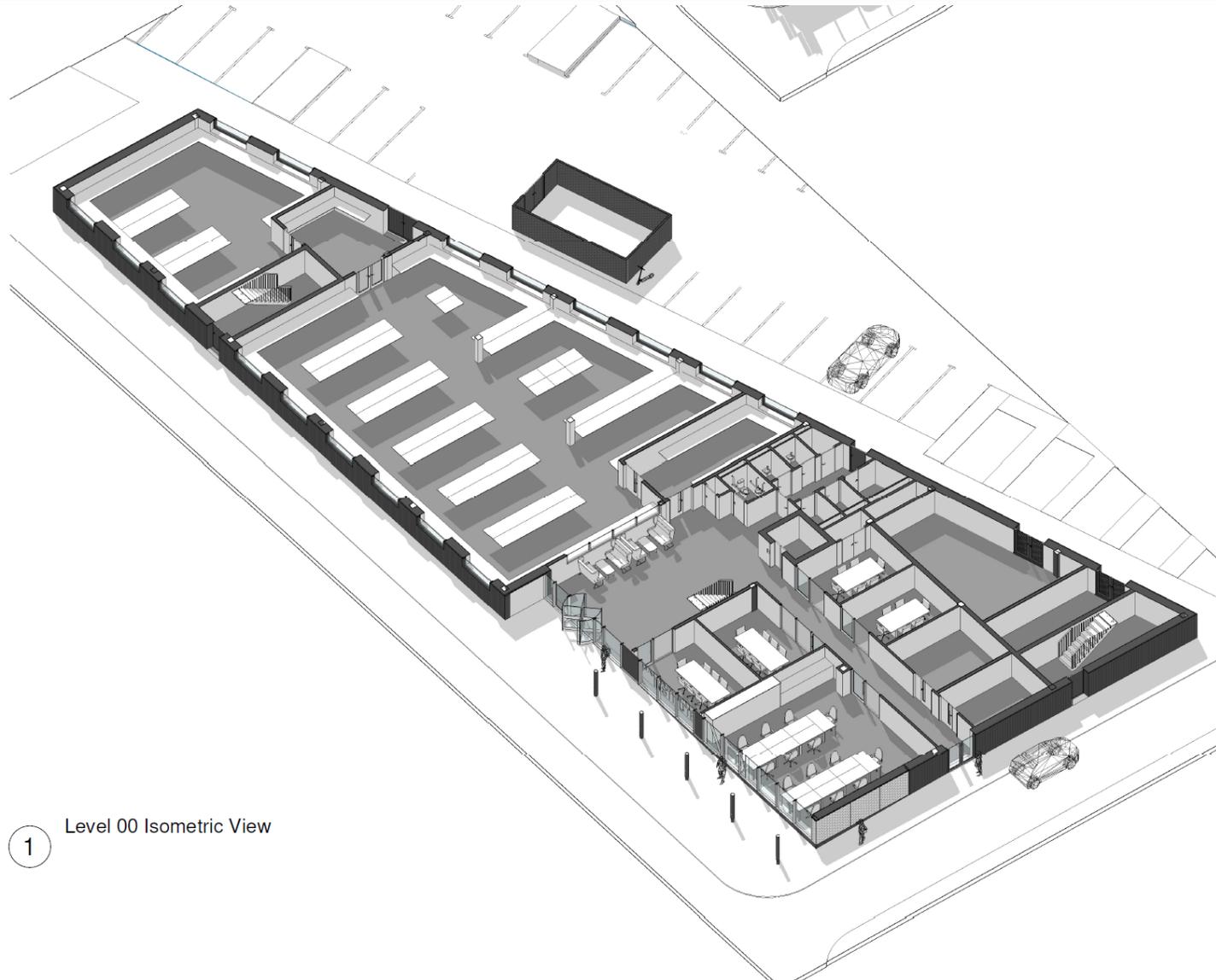
Transformative Impact: Place

- Promote Brownfield Related Industries in WM Region.
- Establishing WM as “Silicon Valley” of Brownfield Development
- NBI to Facilitate Development of Local Economy and Promote Enterprise in the Area
- Job and Expertise Creation in the Region
- Brownfield Know-how to Become Key Regional Export to the World

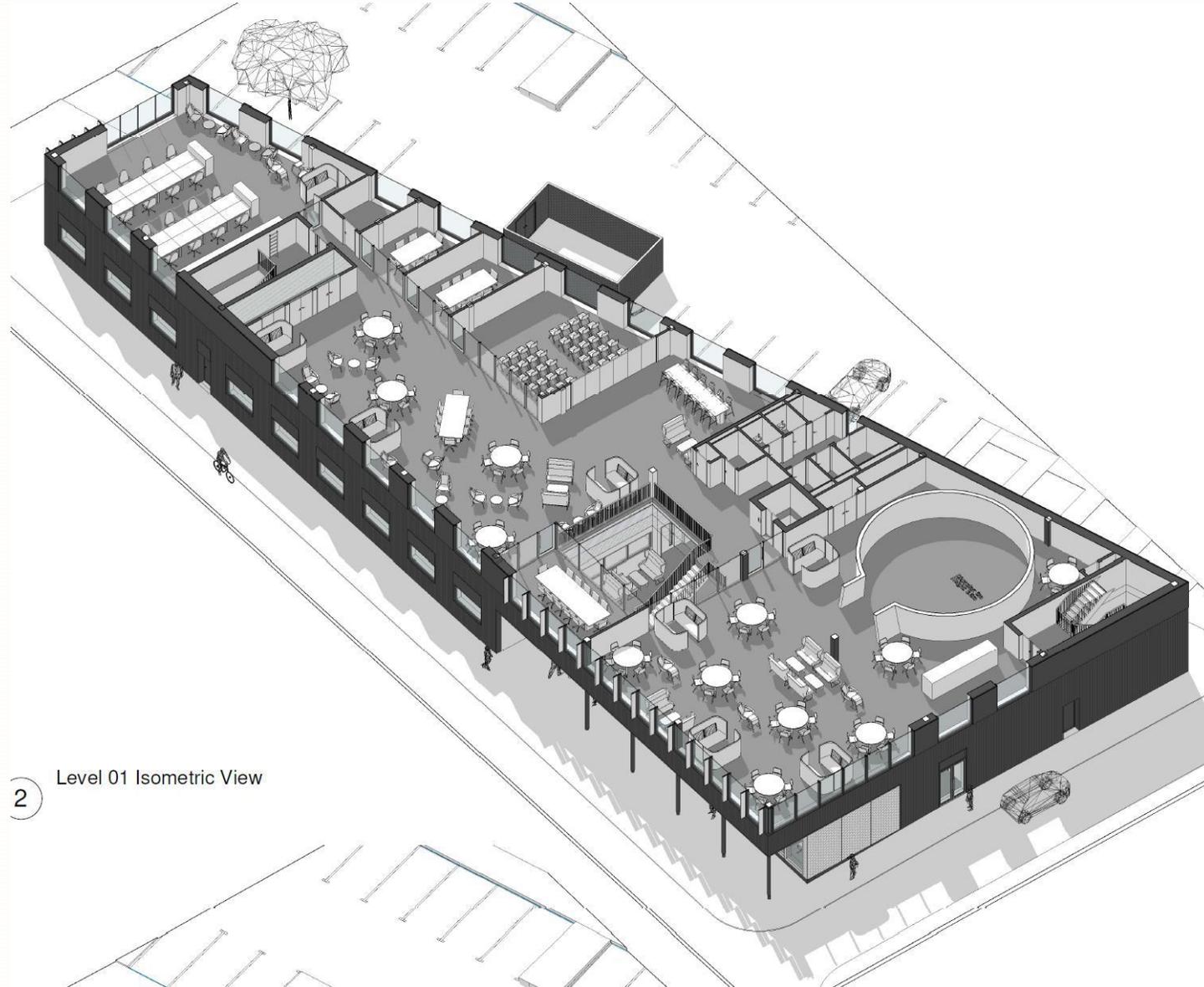


NBI Delivery





1 Level 00 Isometric View



2

Level 01 Isometric View

Discussion



THE UNIVERSITY OF OPPORTUNITY