

MILTON KEYNES ACCELERATOR COHORT BOOKLET



ABOUT CONNECTED PLACES CATAPULT

Connected Places Catapult is the UK's innovation accelerator for cities, transport, and place leadership. We help organisations drive major improvements in the way people live, work, and travel. We connect businesses and public sector leaders to cutting-edge research to spark innovation and grow new markets. We run technology demonstrators and SME accelerators to scale new solutions that spread prosperity and tackle the climate crisis. cp.catapult.org.uk



ABOUT THE PROGRAMME

The Milton Keynes (MK) Accelerator is a brand-new programme sponsored by Milton Keynes Council and powered by Connected Places Catapult. It is designed to support SMEs with innovative solutions which can improve connectivity and boost urban sustainability in the city.

Ten SMEs have been selected for the six-month programme. They will support Milton Keynes' ambitious commitment to become carbon neutral by 2030 and will address challenges related to sustainable mobility, renewable energy and air quality, as well as infrastructure resilience and community engagement.

The SMEs will receive support tailored to their requirements. This will include advice and guidance on investment readiness, technology and product development, alongside introductions to local stakeholders and potential customers.

Activities will be delivered by a consortium of industry partners led by Connected Places Catapult. The consortium includes delivery partner True Altitude and industry partners Amey, Centre MK, Socius Group and Elisa among others.



DELIVERY TEAM



Sophie Lloyd
Strategic Lead,
Economy & Policy
Milton Keynes Council



Brian Matthews
Head of Transport
Milton Keynes Council



Andrea Pérez
Cipollitti Accelerator
Programme Manager
Connected Places Catapult



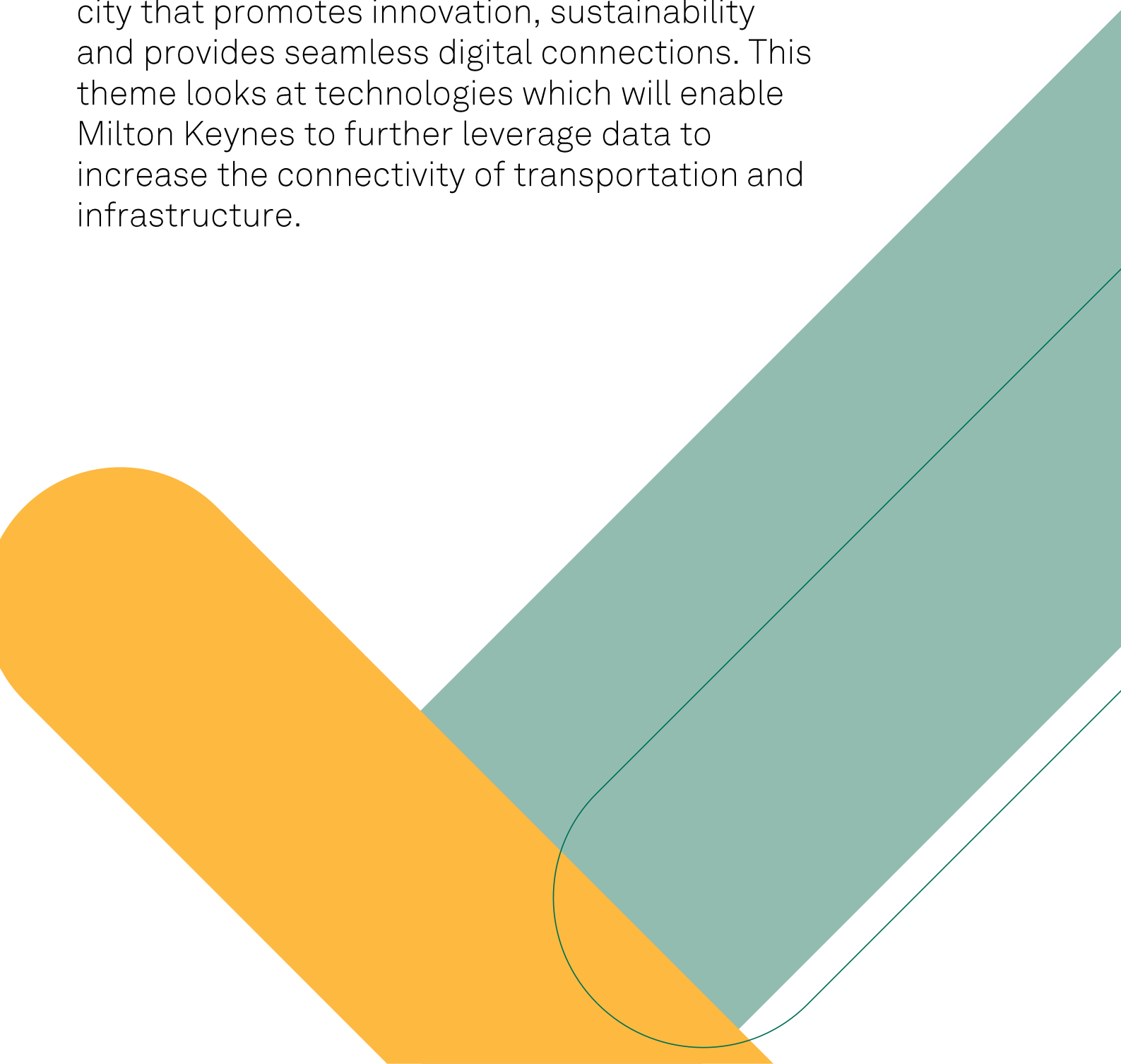
Ellie Gyaurova
Accelerator
Programme Lead
Connected Places Catapult



Arnold du Toit
CEO and Founder, *WeSprint*
Director Corporate Development, *True Altitude*

CHALLENGE 1: CONNECTING MILTON KEYNES

Milton Keynes is a world-leading, smart, digital city that promotes innovation, sustainability and provides seamless digital connections. This theme looks at technologies which will enable Milton Keynes to further leverage data to increase the connectivity of transportation and infrastructure.

A decorative graphic in the bottom right corner of the page. It consists of several overlapping geometric shapes. There is a large teal-colored shape that is roughly triangular, pointing towards the top right. Overlapping its bottom-left corner is a bright orange shape that is roughly rectangular with rounded corners. The overall effect is a modern, abstract design element.

DOCK LOCK CHARGE



Contact details: Wesley James, Micromobility Commercial Director

Website: <http://www.qimanagedservices.com/>

Dock Lock Charge is a universal EV docking and charging standard for Micromobility

Dock Lock Charge provide the infrastructure to help organise public spaces, increase safety and security, as well as providing on street charging for Micromobility vehicles. Our plug and play solution enable cities, operators and companies to implement a standard for how modern Micromobility should be introduced.

Dock Lock Charge consult with their clients to first develop the right strategy . Once they understand the goals of their clients, they implement and manage an end-to-end service.

KERBO CHARGE



Contact details: Michael Goulden, Co-founder

Website: <https://www.kerbocharge.com/>

Kerbo Charge solves the problem of how to charge your electric car if you don't have off-street parking.

Working in partnership with local authorities, they install a safe and secure channel in the pavement outside residents homes. The channel has a self closing lid that sits flush with the pavement.

When residents wish to charge, they simply lift the lid, drop the cable in, and charge using their own supply - meaning they can take advantage of the cheapest off-peak rates.

Kerbo Charge can also install a wall mounted charger and provide an app that lets residents earn revenue from sharing their supply with neighbours (if they wish!).

STEP-HEAR



Contact details: Yael Shomron, Marketing Manager

Website: <http://www.step-hear.com>

Step-Hear is a pioneer in developing smart solution for making public spaces and public transportation accessible for people with disabilities.

The system is combined of a free app for the users, which automatically activates different Step-Hear devices, that are pre-installed in the public realm.

Step-Hear system includes :

- * Accurate wayfinding by audio guidance, indoors and outdoors, designed for people with blindness or visual impairment.
- * Assistance by IoT for people with disabilities including mobility disability.
- * Smart interactive accessibility system for public transportation – with features such as indicating a bus driver that a person with disability is waiting at the next stop and more.

URBAN TIDE



Contact details: Simon Tricker, Co-founder

Website: <https://urbantide.com/>

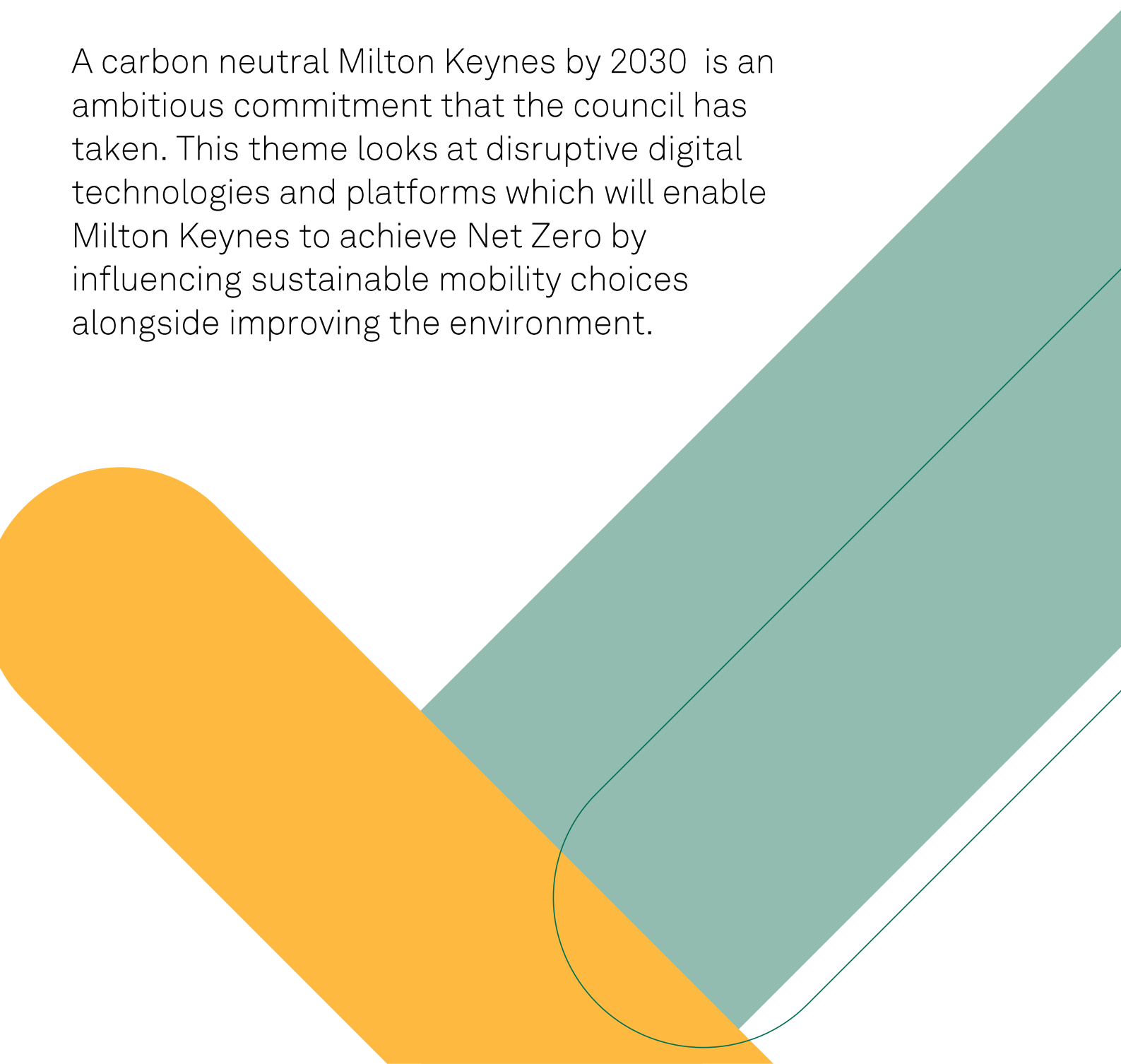
UrbanTide provide Smart Cities insight and innovation platform, USMART. USMART offers:

- Smart Integration - Integrate any data from any source into the infinitely scalable, automatable and super secure platform.
- -Smart Exploration - Drive real organisational value and transform data into actionable insights using Machine Learning and Artificial Intelligence.
- Smart Discovery - Advanced visualisation and sharing capabilities, with API curation to open data publication. All designed to build smarter communities.

The software enables the creation of better places. For example, the modules can identify missing business revenue for Councils and help housing providers manage their assets better with real-time data.

CHALLENGE 2: DECARBONISING MILTON KEYNES

A carbon neutral Milton Keynes by 2030 is an ambitious commitment that the council has taken. This theme looks at disruptive digital technologies and platforms which will enable Milton Keynes to achieve Net Zero by influencing sustainable mobility choices alongside improving the environment.



PLUVO



Contact details: Matteo Maccario, CEO

Website: <https://www.pluvo.co.uk/>

Designed for targeted placement at air pollution hotspots, the Pluvo Column, draws in polluted air and pumps out purified air. This works due to the innovative three-stage scrubbing process that eliminates harmful airborne Particulate Matter (such as dirt and soot), targeted gases (such as Nitrous Oxides), and viruses (including Covid-19). Each Pluvo Column has a built-in air quality monitoring system to empower landowners with data-driven insights and policymaking. Externally the Pluvo Columns are designed with two back-lit sheet advertising displays for bespoke communication campaigns or sponsorship revenue so that it can double as an air quality education "billboard".

The team design, manufacture, and lease the Pluvo Column to landowners (currently focusing on transport hubs), with the help of contractors. They also provide the Column maintenance and air quality data gathered as part of the ongoing contract.

SKENARIO LABS



Contact details: Tom Somers, Director UK&I

Website: <https://www.skenariolabs.com/>

There are complex challenges in decarbonising large portfolios of highly heterogeneous building stocks. Issues in accessing data on buildings and modelling the impacts of retrofit scenarios across thousands of vastly divergent properties means that the path to net zero is obscured.

At SkenarioLabs we help property owners, portfolio managers, banks and insurance companies make more responsible decisions through our objective, transparent and accurate risk and value assessment platform.

We do this by creating virtual representations of building portfolios and using our analysis engine to model changes to their components (such as windows, roofs and heating systems) in order to assess the impact on energy usage, carbon intensity and value.

This enables our clients to make better, more sustainable decisions regarding their assets without taking their eye off of return on investment.

KARFU



Contact details: Samuel Ellis, Co-founder & CEO

Website: <https://www.karfu.com/>

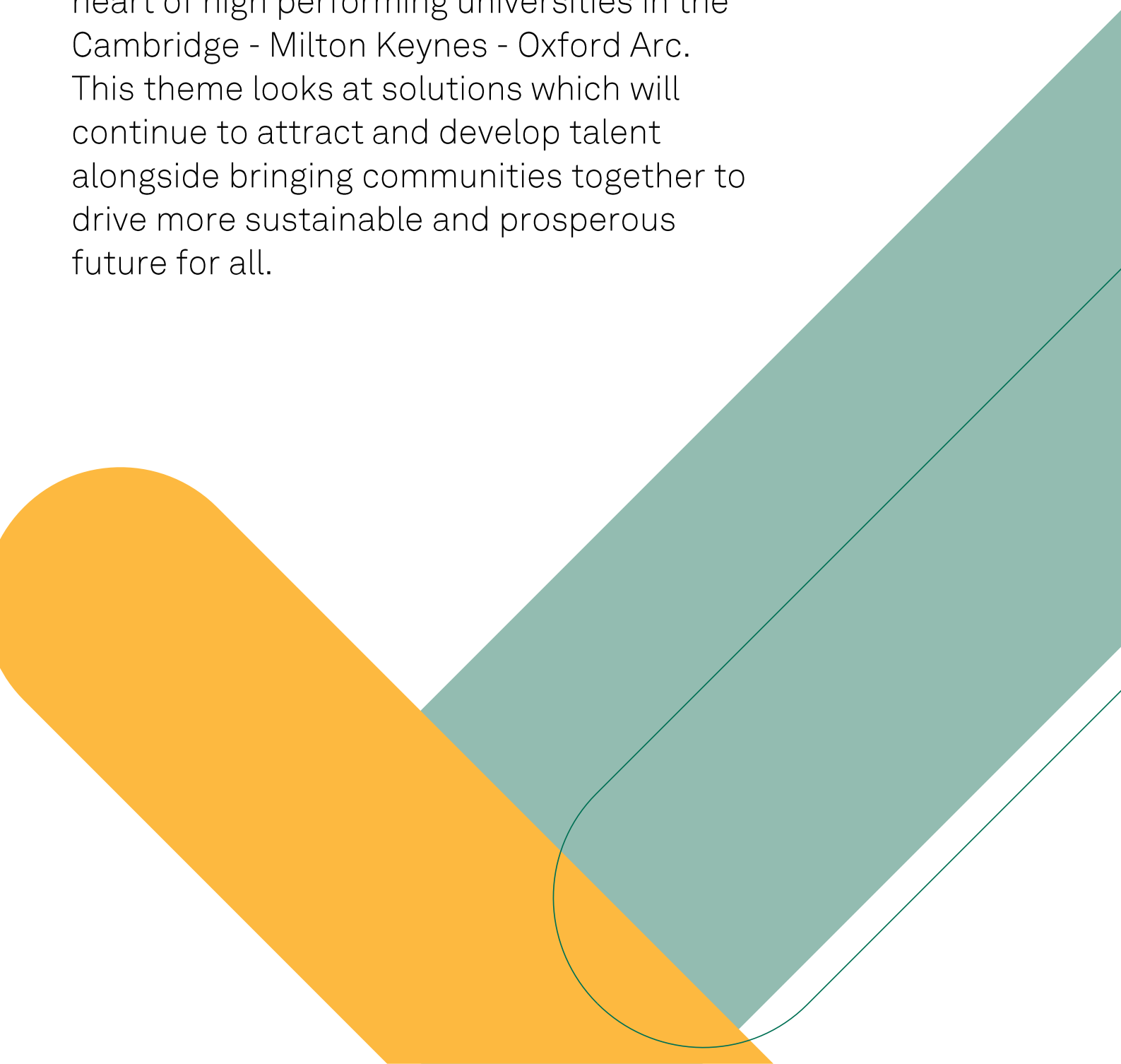
Karfu is a new impartial 'mobility' comparison website.

It helps consumers discover, understand and compare both the lifetime financial and environmental costs of different mobility choices. It compares different vehicles - from cars through scooters to electric bikes; how much they cost over their lifetime – both acquisition and running costs; how consumers should access them based on their personal circumstances – across options including finance, leasing, subscription, sharing and rental, and the lifecycle environmental impacts of these choices.

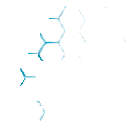
Karfu helps consumers find better value to help ease the cost of living crisis, save time on their vehicle research and makes it easy to switch to more sustainable mobility choices.

CHALLENGE 3: CONNECTED COMMUNITY

Milton Keynes is recognised internationally as a centre of learning and innovation at the heart of high performing universities in the Cambridge - Milton Keynes - Oxford Arc. This theme looks at solutions which will continue to attract and develop talent alongside bringing communities together to drive more sustainable and prosperous future for all.



ACTIVE ORBIT LTD



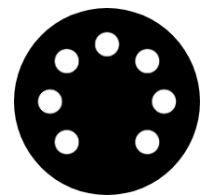
Contact details: Rachel Flower, Co-founder

Website: <https://www.activeorbit.co.uk/>

Active Orbit is an engaging app and mobile wellness rewards platform that incentivises people to be more active, linking daily brisk walking with rewards. We are not about fitness or exercise. We are encouraging sedentary people to build healthy movement and habits back into their lives. Rewards are earned via the app for active minutes, redeemed in the local community so encouraging people to connect and shop locally. There is no need to integrate a wearable, making this a digital solution that is maximising inclusion and accessibility for all.

Our app is designed based on latest evidence based behavioural science, with the ability to deliver profound health transformation through gradual creation of sustained lifestyle change. We encourage users to walk 10-20 minutes per day, based upon scientific research that this can add 7 years onto a healthy lifespan and reduce likelihood of mental health issues such as depression / anxiety by 30-50%. Consistent daily walking is proven to reduce existing mental health issues and act as a natural anti-depressant. Importantly, our app also encourages people to leave the car at home and walk/ cycle on local journeys.

OTHERSHIP



Contact details: Benjamin Carew, Co-Founder and Director

Website: <https://othership.com>

Othership is a flexible working business that fosters community whether you are remote-first, in the office or hybrid. Built with remote and hybrid working in mind, Othership does this through our network of workspaces and office management solutions.

- On-demand workspaces, bookable by the day or hour.
- Fixed workspaces, for the perfect office or coworking space.
- Hybrid solutions, workspace management software that lets source, manage, book and analyse all your workspaces in one place.

THE FUTURE FOX



Contact details: Annette Jezierska, Co-founder

Website: <https://www.thefuturefox.com/>

The Future Fox is a technology company with a social mission to accelerate the development of smart, sustainable and people-focused places via PlaceBuilder. PlaceBuilder, helps planners collaborate with communities on ambitious urban planning schemes.

PlaceBuilder enables planners (government, local authorities, developers, planning consultancies) to receive high quality feedback and hyperlocal knowledge from the public to help spot solutions in the community feedback, reflect it in their designs, and close the feedback loop.

It's SaaS that is easy to use, and is underpinned by local data and industry techniques, facilitating co-design at scale.

PROGRAMME PARTNERS



PROGRAMME SPONSOR



INDUSTRY PARTNERS



DELIVERY PARTNER





THANK YOU

If you have any questions or would like to learn more about the programme, please reach out to:

Andrea Perez Cipollitti

Milton Keynes Programme Manager

andrea.pcipollitti@cp.catapult.org.uk

Delivered in partnership with:



CATAPULT
Connected Places

Copyright © 2022 Connected Places Catapult. No part of this report may be reproduced, distributed or communicated to any third party without written consent. Connected Places Catapult does not accept any liability for reliance placed on this report. CPC00290