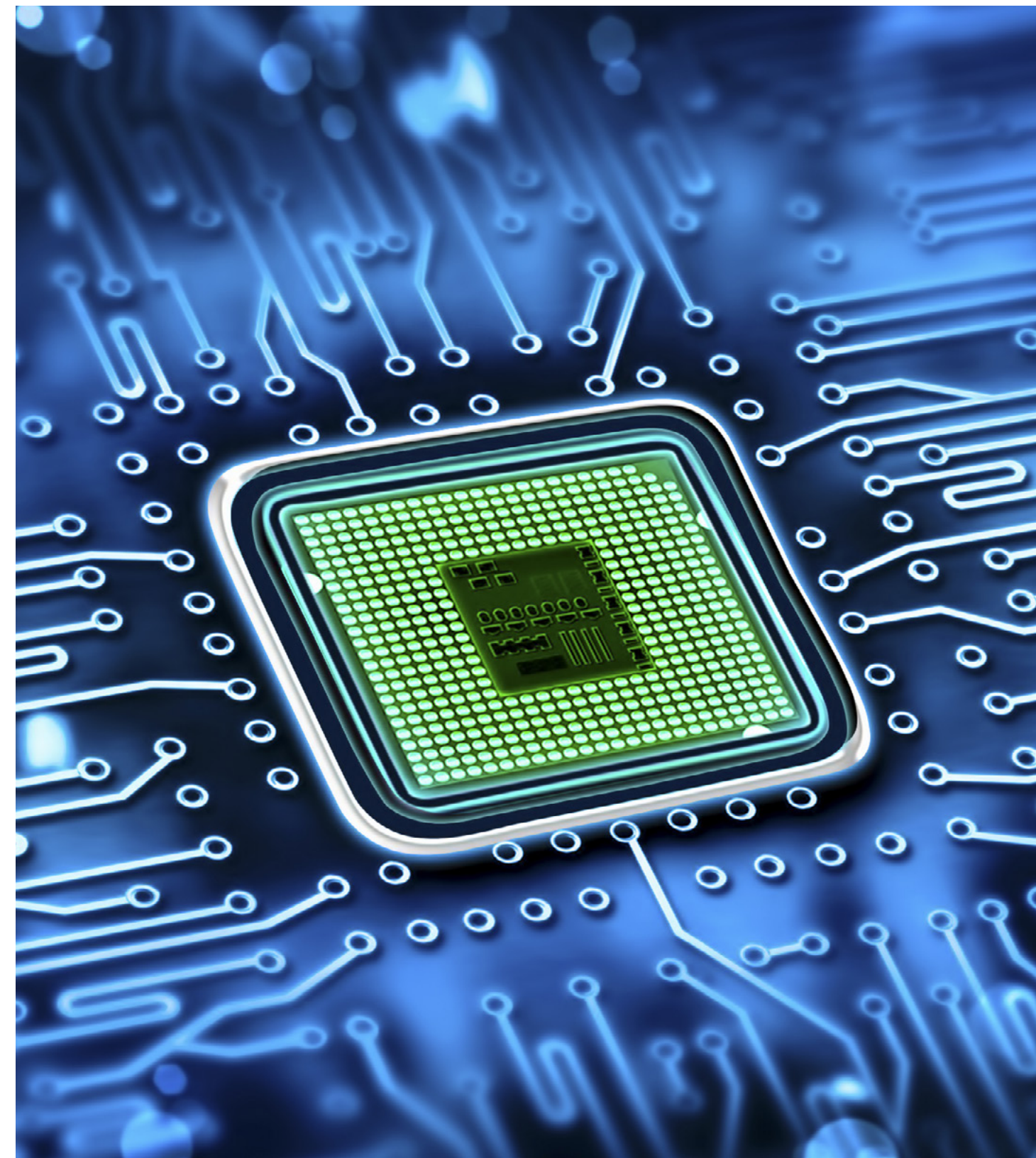# LONDON
CONVENTION BUREAU

Smart City Toolkit

What is a Smart City?

London's vision as a smart city is a collaborative, connected and responsive city. It integrates digital technologies and uses city-wide data to respond to citizens needs, enhancing the quality and performance of urban services such as energy, mobility and utilities in order to reduce resource consumption, wastage and overall costs. The need to create smarter urban environments comes as the world's urban population experiences accelerated growth, placing pressure on infrastructure.

SMART LONDON: HUB FOR RESEARCH, INNOVATION, THOUGHT LEADERSHIP

London is a global "test-bed" city for civic innovation, where the best ideas are developed, amplified and scaled

London is a hub for CleanTech, GovTech, Digital Health, EdTech and smart mobility, as well as the global hub for FinTech, LegalTech and professional services needed to support innovation.

The city is also the European capital of AI, with over 750 suppliers in the city — double the number of Paris and Berlin combined — primed to innovate with the city's data.

London is also home to many cultural, academic and civil society institutions that are thought leaders in this field. Examples include the Open Data Institute, Nesta, the Catapults and London's internationally recognised universities and innovation centres.

It leads the world in research and development, having produced companies such as DeepMind — a world leader in AI, and Improbable — a world leader in virtual reality technology.

SMART LONDON: DATA AND INFRASTRUCTURE

The next generation of smart infrastructure is emerging as London invests in its data connectivity.

A new fibre-optic backbone is being installed by the city using TfL tunnels to make London 5G ready.

City data: The London Datastore is an internationally recognised open data resource with over 700 datasets that help to address urban challenges and improve public services.

TfL is a leader in open data. Its unified API and open data platform power nearly 700 apps produced by over 12,000 developers. At least 42% of Londoners use these apps for real-time travel information.

London is a leader in new 'CleanTech' products, such as sensors that create data in new ways to combat the causes and effects of pollution and climate change. For example, London already has access to the largest network of air quality monitors of any city, with world-class modelling and emissions forecasting.

SMART LONDON: MOBILITY

80% - the Mayor's Transport Strategy aims for 80% of all journeys in London to be made by active travel or public transport by 2041. By that time there will be 33 million trips per day.

A new fibre-optic backbone is being installed by Transport for London (TfL) throughout the capital's historic underground system.

London is a global leader in smart ticketing. Transport for London (TfL) was one of the world's first public transport provider to enable contactless payments using bank cards and mobile phones.

Europe's largest infrastructure project, the new Elizabeth line, is currently slated to open in 2021. The east-west train line will run for 60 miles (nearly 100km), connecting London's airports and major regeneration zones with the city centre, and carrying an estimated 200 million passengers annually.

London estimates there will be 50,000 new electrical vehicle charging points across London by 2025. The Mayor has pledged to create 300 more rapid charge points by 2020.

£2.2bn - a record investment to make the streets across London better for walking and cycling, and to improve air quality. The city-wide Healthy Streets initiative aims to make it easier for all Londoners to do at least the 20 minutes of active travel they need to stay healthy each day.

SMART LONDON:
TALENT CAPITAL OF EUROPE

London is the tech capital of Europe, with 40% of European headquarters of world's top tech companies.

London is an inspiring destination for technology, with a high concentration of global tech companies and a leading ecosystem of policy makers, regulators, startups, scaleups, incubators, accelerators, students, researchers and investors.

The capital is home to 46,000 tech companies, supporting 240,000 jobs in an ecosystem worth an estimated $47bn.

SMART LONDON:
ENVIRONMENT AND SUSTAINABILITY

Zero carbon - the Mayor has set out an ambition for the capital to be zero carbon by 2050.

Currently 99% of the city is subject to a Low Emission Zone (2nd largest in the world). The Ultra-Low Emission Zone was launched in April 2019.

Zero waste - by 2026 no biodegradable or recyclable waste will be sent to landfill, and by 2030 all food and packaging waste will be cut by 50%.

Zero emissions - By 2037 at the latest, all our 9,200 buses across London will be zero emission. All private hire vehicles including the iconic black cabs are also going green — all will have zero emissions by 2033. In central London, all our double-decker buses will be hybrid by 2019 and all single-deck buses will emit zero exhaust emissions by 2020.

Waste heat captured on the Northern Line will be reused to support the heat network for 1,000 homes in Islington.

London has been designated the world's first National Park City with one-third of its area being green. London is in the top 10 of global cities with respect to the amount of green space per head of population. The city is home to 151 registered parks and gardens, eight Royal Parks, and four UNESCO World Heritage sites.

Any questions?
Please contact the Convention Bureau team
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