Driving Dundee Electric

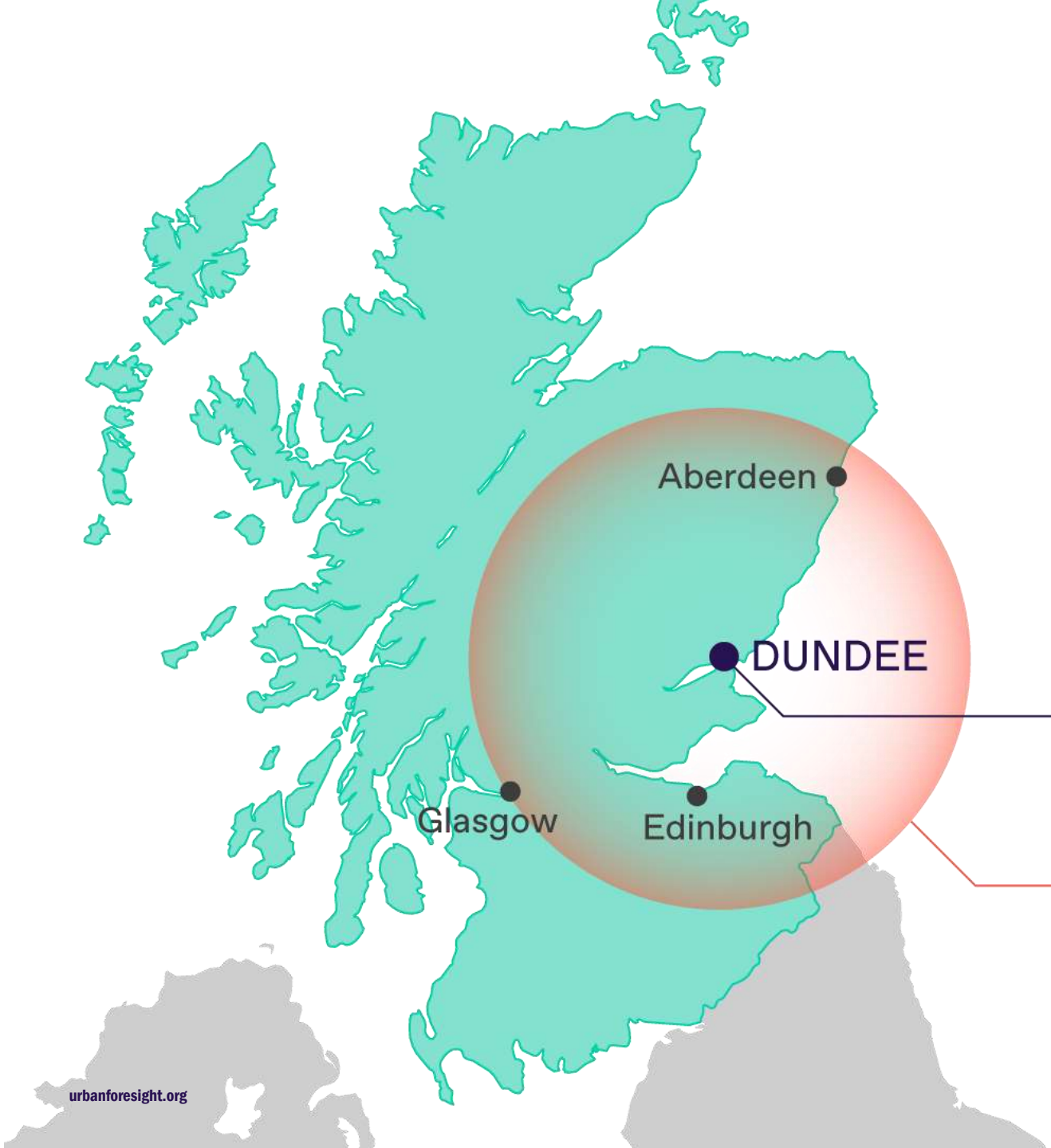
Dr. David Beeton
CEO & Founder, Urban Foresight

15 November 2019

Prepared for
International Smart Shared Mobility Congress

Dundee City Council

Urban Foresight



WELCOME TO DUNDEE

POPULATION
147,800

AREA
13km
by 2.5km

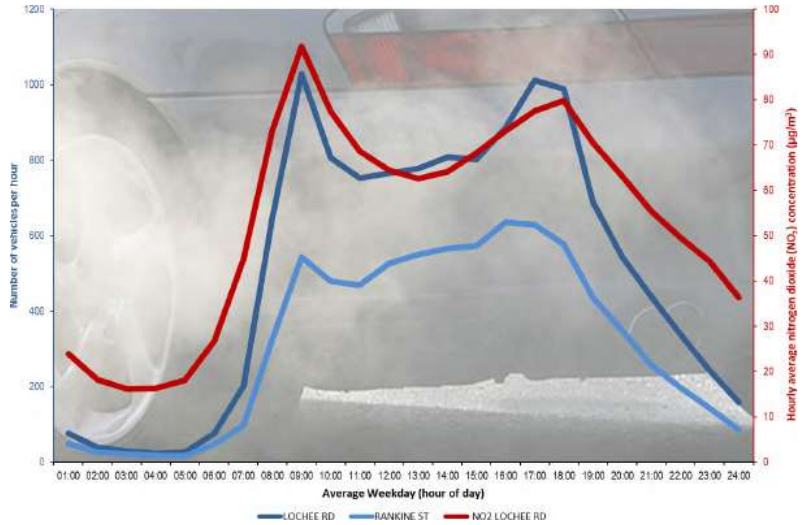
Dundee is the main centre for a regional population of over 400,000

90% of Scotlands population live within 90 minutes travel of the city

Dundee: Changing for the Future







Dundee EV progress

18% Taxis

28 Public Rapid Chargers

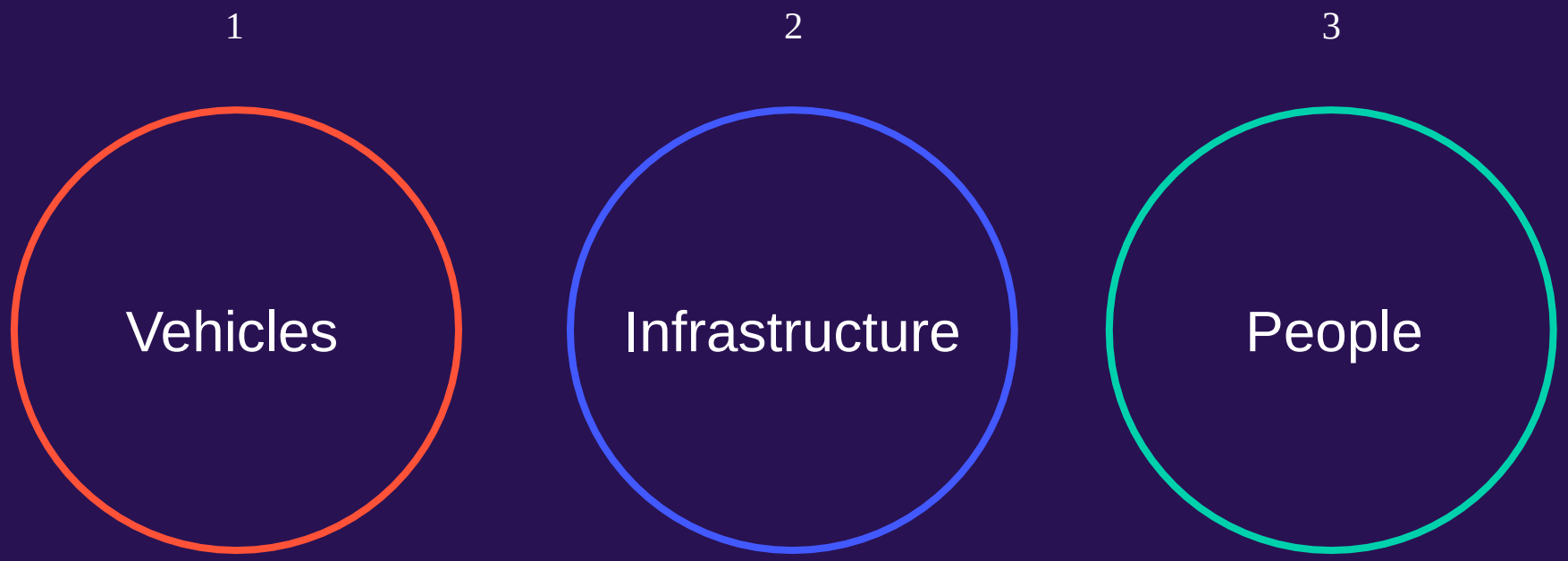
40% Dundee City Council car/van fleet

Scotland targets

2032 all new petrol and diesel cars and vans to be phased out in Scotland.- eight years ahead of targets set by the UK government

Dundee declared the whole city an Air Quality Management Area

Key Areas for Transition



1. Vehicles

Approach to different vehicle categories

Direct Control



Public Fleets



Taxis &
Private Hire

Incentives



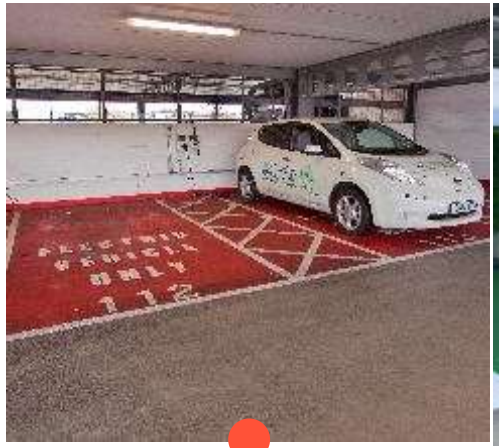
Business



Public

2. Infrastructure

Key charging scenarios

Workplace / Public	Public Car Parks	On-Street Solutions	Depot Charging	Mixed Use Hubs
				

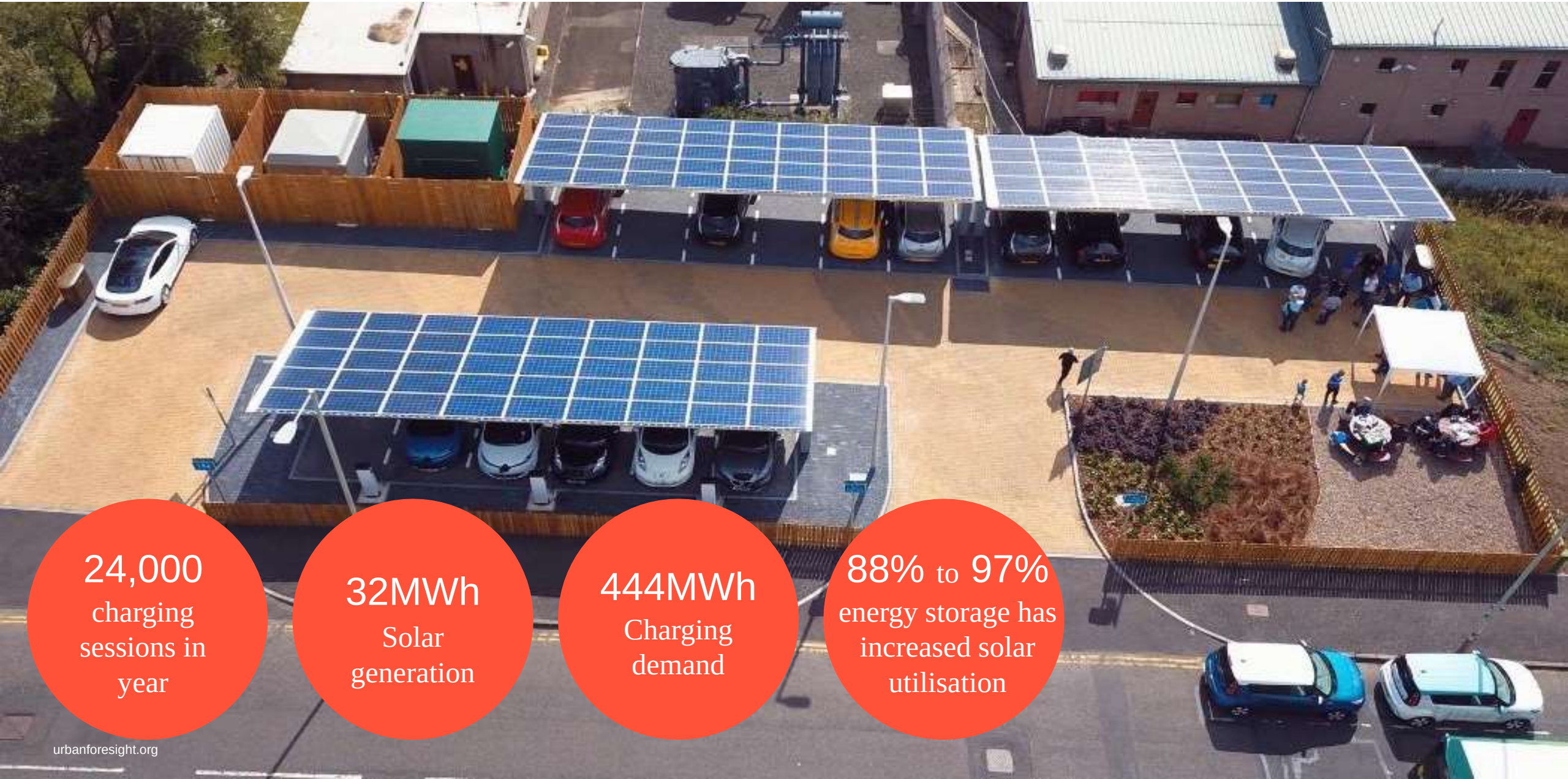
Commuter & residents

Destinations / depots

Charging hubs

Increasing charging speed

2. Infrastructure



3. People

Positives

- Incentives
- Promotion & Knowledge

Negatives

- Myths
- Cultural Change



The Mobility Innovation Living Lab

The MILL

An innovation partnership to make Dundee an international test bed for smart mobility solutions.

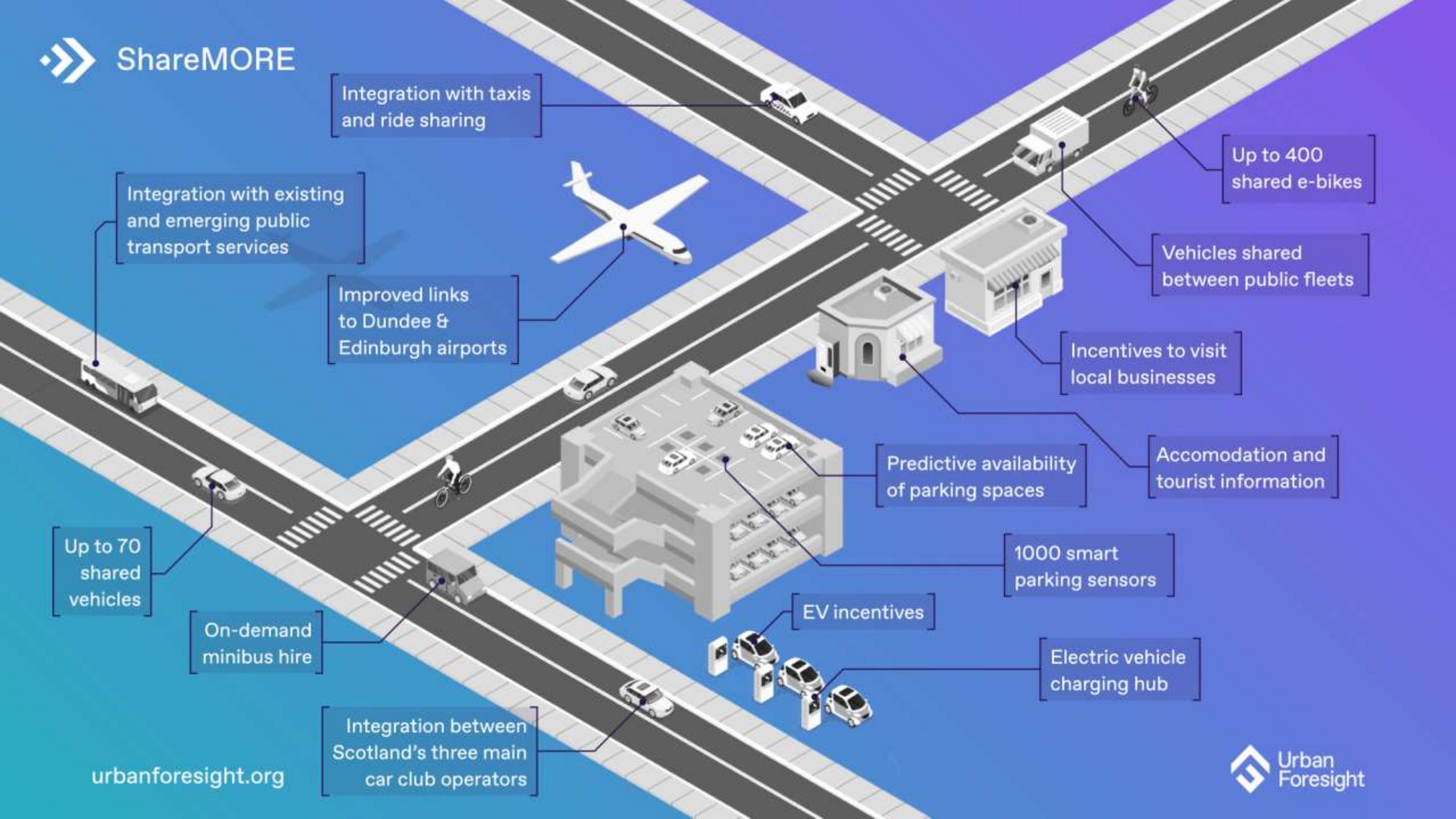
Urban Foresight

Dundee City Council

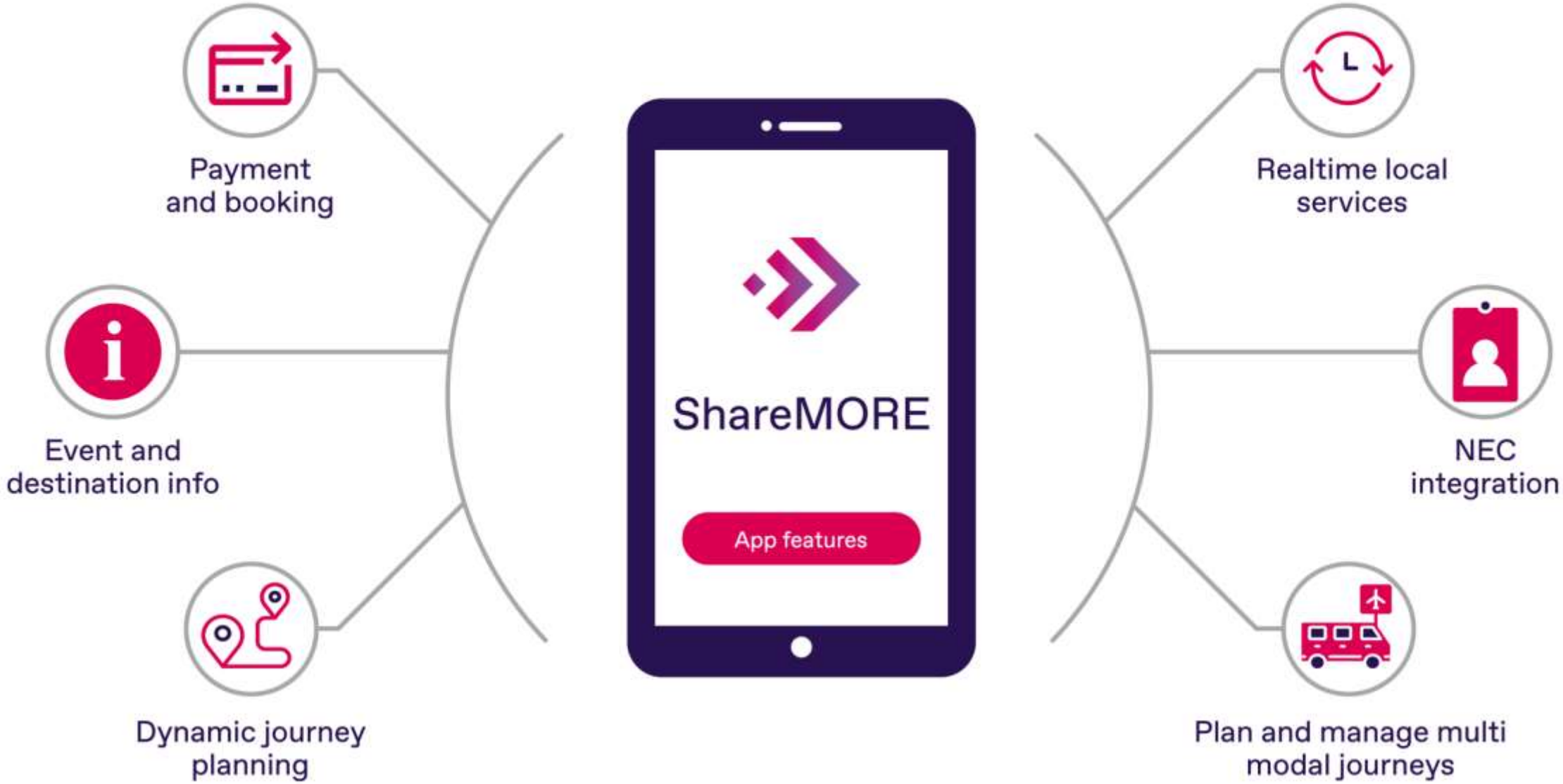
scottishcitiesalliance

smart cities scotland

European Union
European Regional Development Fund


ShareMORE
Integration with taxis and ride sharing
Integration with existing and emerging public transport services
Improved links to Dundee & Edinburgh airports
Up to 400 shared e-bikes
Vehicles shared between public fleets
Incentives to visit local businesses
Accomodation and tourist information
Predictive availability of parking spaces
1000 smart parking sensors
EV incentives
Electric vehicle charging hub
Up to 70 shared vehicles
On-demand minibus hire
Integration between Scotland's three main car club operators
urbanforesight.org
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Mobility as a Service (MaaS)



Join us in Dundee for the EVI Pilot City Forum in 2020



urbanforesight.org

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