

### Driving global ambition through local action

As global challenges increase – from inequality to climate change – cities are on the frontline of disruptions and serve as incubators and accelerators of new solutions.

The Centre for Urban Transformation advances publicprivate collaboration in cities, enabling more resilient and future-ready communities and local economies.





## Centre for Urban Transforma

#### More than 130 cities across 30 countries

Forum offices and 4IR Centres Active city engagements

# Centre for Urban Transformation

#### Driving action on urban mobility

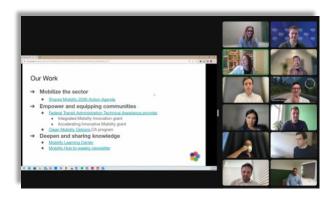
The Global New Mobility Coalition brings together the public and private sector to address the footprint of mobility in cities – both physical and environmental.



#### We do this through:



**Events** 



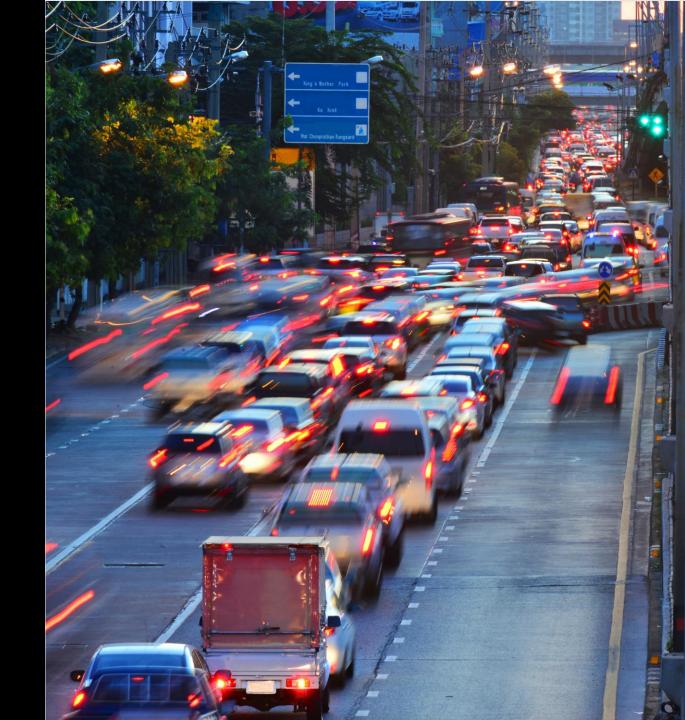
**Projects** 



**Tools** 

## Sentre for Urban Transformation

## The EV Charging Challenge

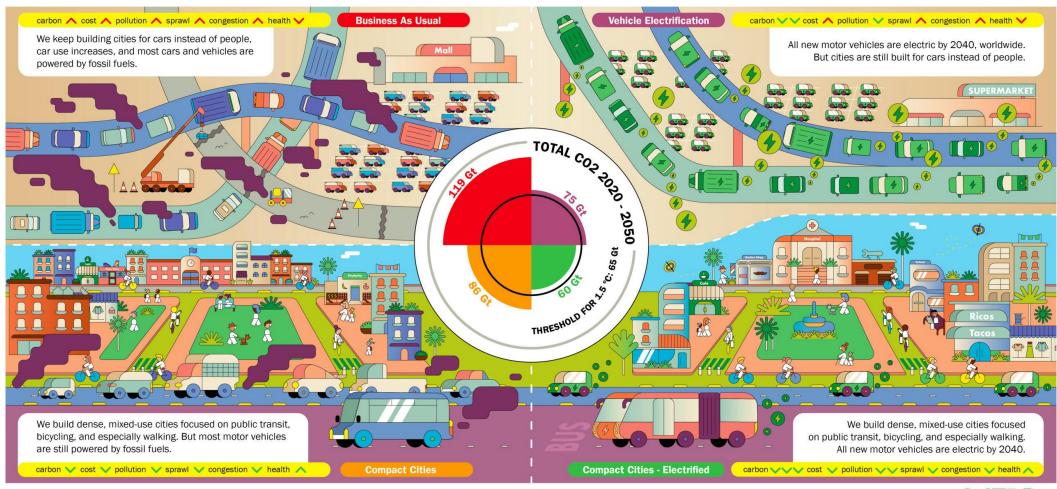




#### The Compact City Scenario Electrified

The Only Way to 1.5°C

As we recover from COVID-19, we must choose how our cities will grow. Recent research studied four possible scenarios for the future. Only one scenario is consistent with limiting global warming to less than 1.5 °C and avoiding the worst effects of climate change.







#### The EV revolution is well underway

FINANCE · ELECTRIC VEHICLES

EV sales expected to hit new U.S. record in 2023—but Germany, China and Norway still lead the way

EU October car sales up 14.6%, EV sales jump more than 36%

#### German sales rose 37% in August, boosted by EV demand

EV sales jumped 171 percent last month ahead of a Sept. 1 deadline change in incentives for business buyers.

SMMT: UK second-hand EV sales double to reach record market share



#### But is our infrastructure keeping pace?

Charging points: growth not keeping pace with rising demand for electric vehicles, new data show

Power vacuum: road to fast charging at UK services has been 'laboriously slow'

### Electric vehicle charging points aren't keeping pace with sales, leaving drivers in growing queues

The roll-out of public chargers is not keeping pace with electric vehicle adoption, leading to tense waits at charging stations

Nearly half of shoppers are rejecting EVs because of infrastructure concerns

Public EV charging cannot support growing fleet, new Siemens Financial Services study finds

#### The EV charging challenge facing cities

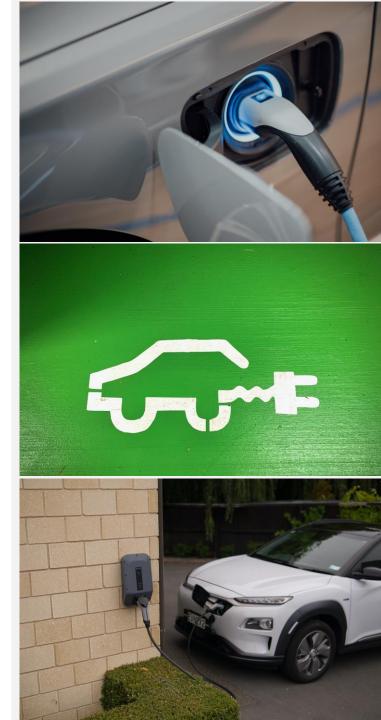
Despite strong ambitions for EVs, many cities face major hurdles to scaling EV charging infrastructure:

- Financial constraints
- Lack decision-making powers
- Limited resources

So how can cities scale charging infrastructure to keep pace with local demand and local/national targets?



**Public-private collaboration** 



# Centre for Urban Transformation

#### EV Infrastructure Investment Taskforce

### How can cities foster private investment in EV charging

- Public-private taskforce investigating how cities can encourage investment from private sector in charging infrastructure:
  - How can local policy be used to encourage investment in and deployment of infrastructure?

infrastructure?

- What key barriers are facing the private sector in deploying EV charging networks?
- What are successful models for deploying and financing infrastructure?

































### Scaling EV infrastructure through public-private collaboration

#### Some key lessons so far:



Clear strategy with demand forecasting



Simplifying access to space and power



**Grid connections and upgrades** 



**Data sharing agreements** 



Joint ventures



#### Next steps

- Launch of Policy Toolkit for city administrations in March 2024
- Engagement with cities to support and inform decision-making on EV charging
- Exploration of new work for 2024: **Urban deliveries**





#### Thank you

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