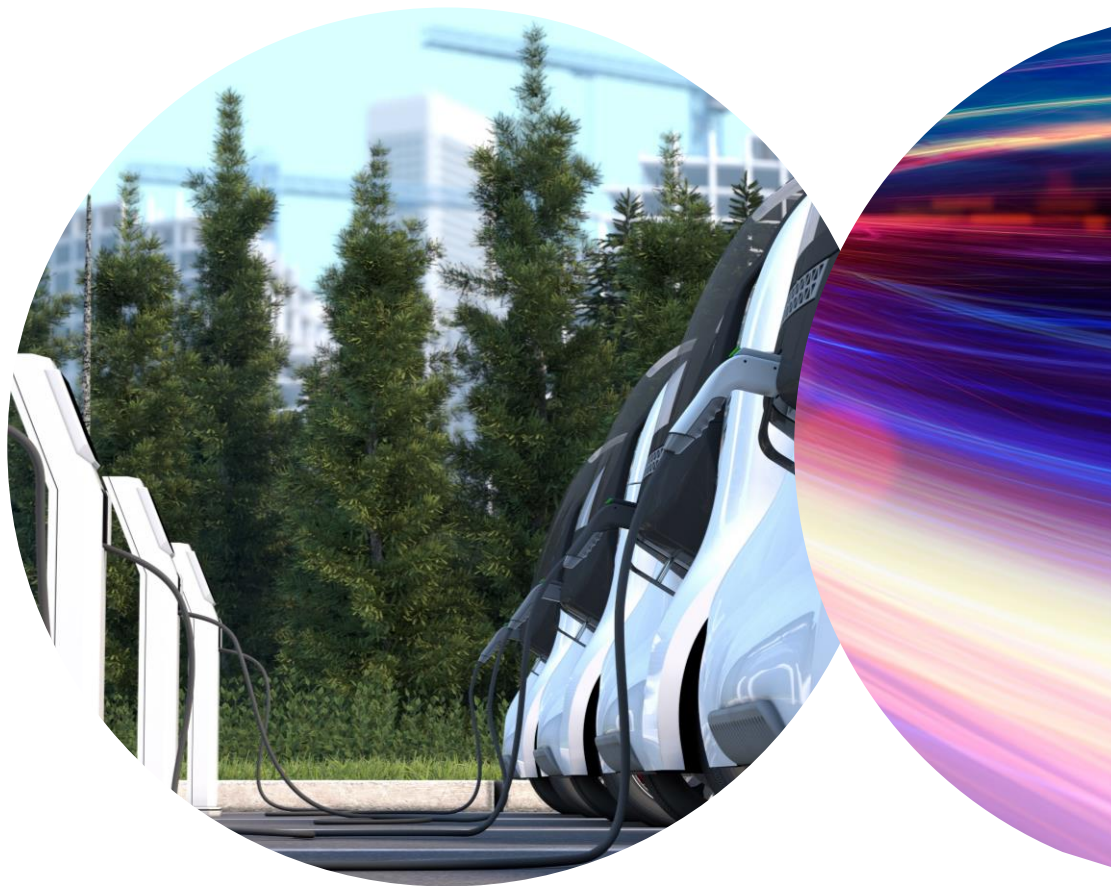




WBCSD accelerating charging infrastructure deployment

GEF E-Mobility program

8th December 2021



Reaching the Net-zero target represents a systemic and unprecedented technology scale-up challenge

Systemic challenge



Complex cross-sectorial alignment



Alignment on key technologies



Alignment on technology deployment roadmaps



Coherent policy framework

Investment challenge



USD 2.7 Trillion investments annually



Governments not sufficient to close the gap



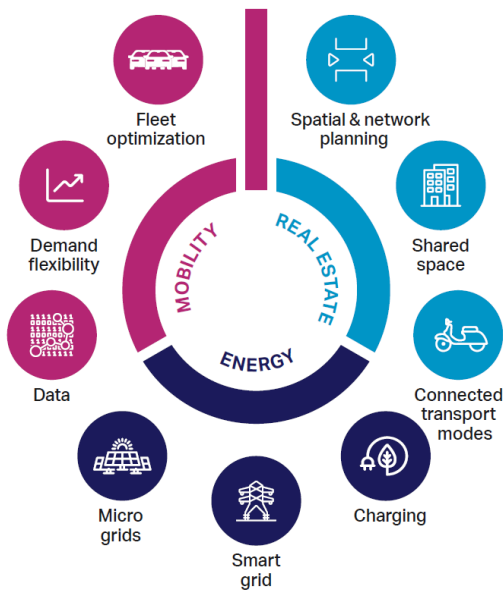
High upfront costs



Unclear & long payback period

Aligning businesses on charging framework

9 technology and policy recommendations ensuring
TIMELY, INCLUSIVE, SUSTAINABLE transition












[Click to see the full report](#)

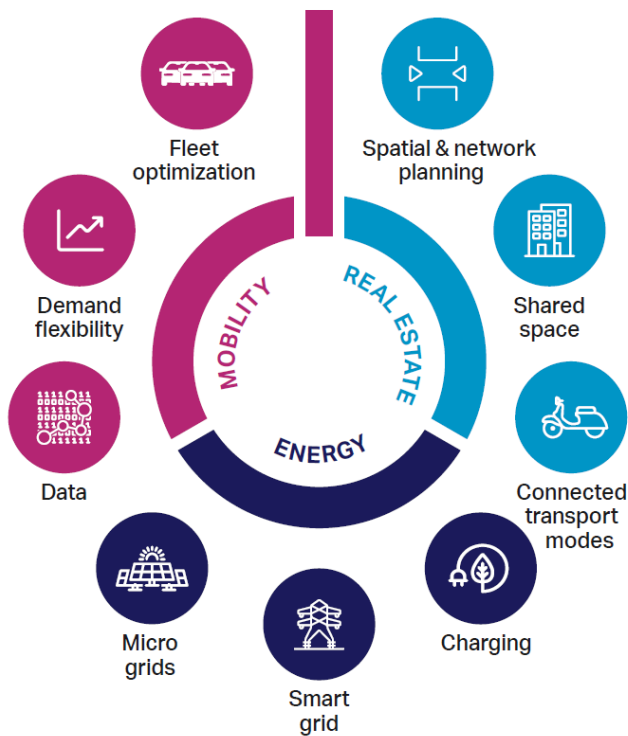
CROSS-VALUE CHAIN COLLABORATION

Bringing **energy, mobility and real estate** business leaders together to propose a common vision of **interconnected system** that can improve the **business case** for charging infrastructure deployment and catalyze EV market growth.

Cross-sectorial alignment on key technologies

MOBILITY			ENERGY			REAL ESTATE		
								
Data	Fleet optimization	Demand flexibility	Charging	Micro grids	Smart grid	Spatial & network planning	Shared space	Connected transport modes
Data intelligence Digital systems for sharing data	Fast and slow charging	Demand flexibility systems Virtual power plants	Unidirectional controlled charging (V1G) Vehicle-to-grid (V2G) Charging point management software	Building energy management systems EV battery repurposing Renewable energy sources	Smart metering Power management technologies Storage technologies	Advanced network and spatial planning tools Smart parking systems	Charging station safety	Integrated fleet management solutions Modular charging technologies

Providing nine key actions to unlock shared value



ADDRESS THE NEEDS OF DIFFERENT EV FLEETS

AGREE ON DATA SHARING PRINCIPLES

ENGAGE AND INCENTIVIZE FLEXIBLE CONSUMERS

INCENTIVIZE AND FACILITATE CHARGING INTEGRATION

ENCOURAGE THE DEPLOYMENT OF SMART GRID TECHNOLOGY

MAXIMIZE CHARGING FROM RENEWABLE SOURCES

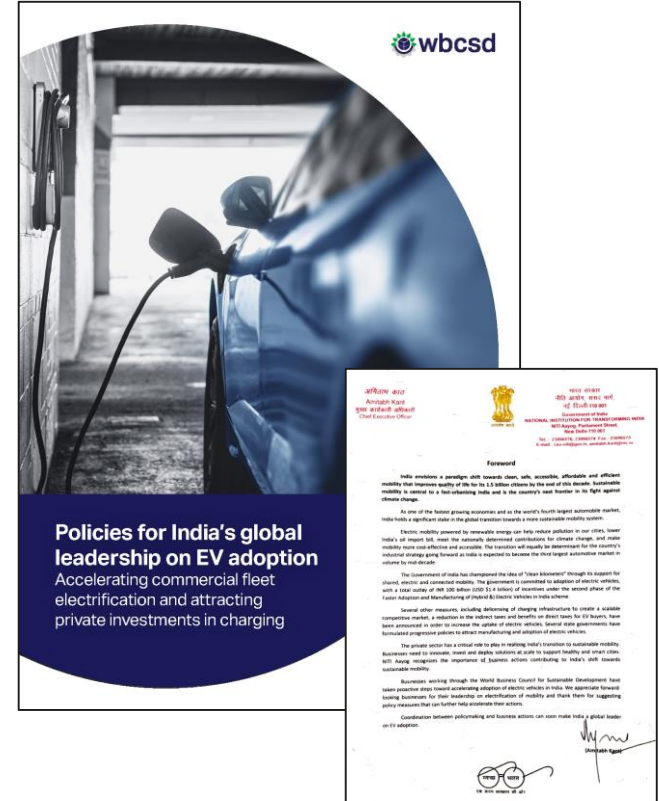
ESTABLISH COORDINATED STRATEGIC PLANNING AND MANAGEMENT

SHARE SPACE AND CHARGING INFRASTRUCTURE

CONNECT TRANSPORT MODES

Accelerating deployment through national coalitions - India

- Participating businesses have electrified 250 million kms through own actions – representing over 50% of electrified corporate fleets in India.
- Collaborating with the department of Heavy Industries in the launch of “India Business Guide to EV Adoption” at COP 25.
- Supporting demonstration project with 500 electric cars to showcase viability of 100% electric ride-hailing fleets in Delhi.
- **Invited by Government of India to suggest improvements and changes to India’s EV incentive scheme worth USD \$1.4 billion**
- **Launching India EV ambition at COP 26, pledging to at least 65% of all new vehicles sold are electric by 2030.**



Accelerating infrastructure deployment globally

Bring confidence in investment decisions

Form local coalitions to align public, private sector on common deployment roadmaps considering regional market conditions

Leap frog on lessons learned from other countries

Exchange knowledge on best practices to feed locally-informed policy & financing mechanisms

Catalyze action of high impact segments

Collaborate closely with businesses that have capacity to act as catalyzers for further technology deployment

Time to Transform.



Geneva, Beijing, Delhi, London, New York, Singapore