

Understanding the perspective of industry stakeholders on decarbonization strategies in India

Priorities for transport decarbonization in India

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24 Feb 2021





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World Business Council for Sustainable Development (WBCSD)

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Decarbonization of transport in India

1. Road transport carries almost 90% of India's passenger traffic and 65% of the country's freight. Road transport utilizes ~78% of the energy share used for transport.¹
2. As the cost of batteries and renewable energy falls and innovative mobility business models emerge, shared electric 2W, 3W, 4W, buses and freight can help make mobility cleaner affordable and accessible to everyone.
3. But decarbonization of transport is not just about the energy transition – it is also about efficiency and behavior change.

¹India Transport Report : Moving India to 2032–Volume III

Decarbonization of mobility

Energy transition in mobility

The transition to clean energy in the transport sector

Efficient mobility system

Increased efficiency of the transport system without limiting mobility – more public transport, shared mobility, better last-mile, better commute planning, etc.



Behaviour change

Motivating a switch to low-impact modes of transport (public and private interventions)

Value for industry: Decarbonization of mobility

Unlike traditional vehicles, electrified vehicles require a different value chain and processes to support them.

The potential value of the transition to decarbonized road transport resides at the intersection of mobility, real estate and energy. Collaboration will accelerate EV adoption and strengthen the business case for efficient electric fleets, effective space management, enhanced role of charging network in grid management and help attract capital.

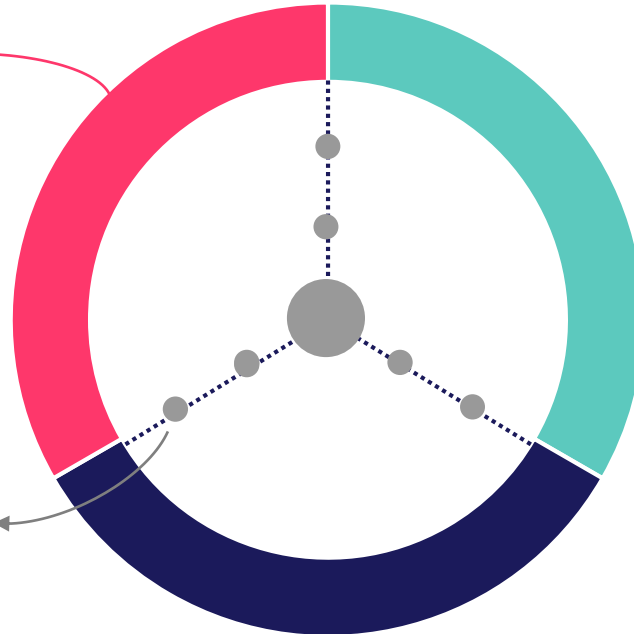
Collaboration can untap value at the intersection of mobility, energy & real estate

What can each sector do to enable the other?

Mobility

How can electric, connected fleets accelerate the creation of an economically viable charging infrastructure that supports the energy transition ?

What value can be unlocked based on collaboration at the intersection of the different sectors?



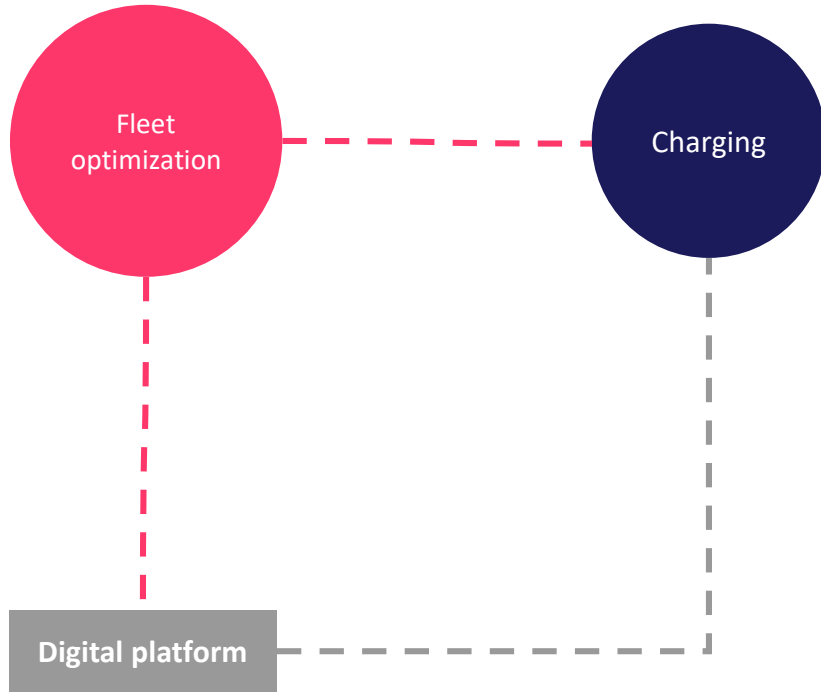
Real estate (public & private)

How buildings, mobility hubs and urban infrastructure can help improve efficiency of electrified mobility services, improve access and social integration?

Energy

How energy companies (incl utilities & charging infra companies) can leverage digitalization to enable efficient fleet management and help increase the value of space in the urban environment?

Making mobility, infra and space-management smarter



1. How can electric, connected fleets accelerate the creation of an economically viable charging infrastructure that supports the energy transition?
2. How can fleets share data for effective planning and management of charging locations?
3. What kind of partnerships and licensing agreements be activated for long term collaboration?
4. Can fleet operators provide demand guarantees to support investments in charging infra and grid upgradation?

Real estate



Mobility



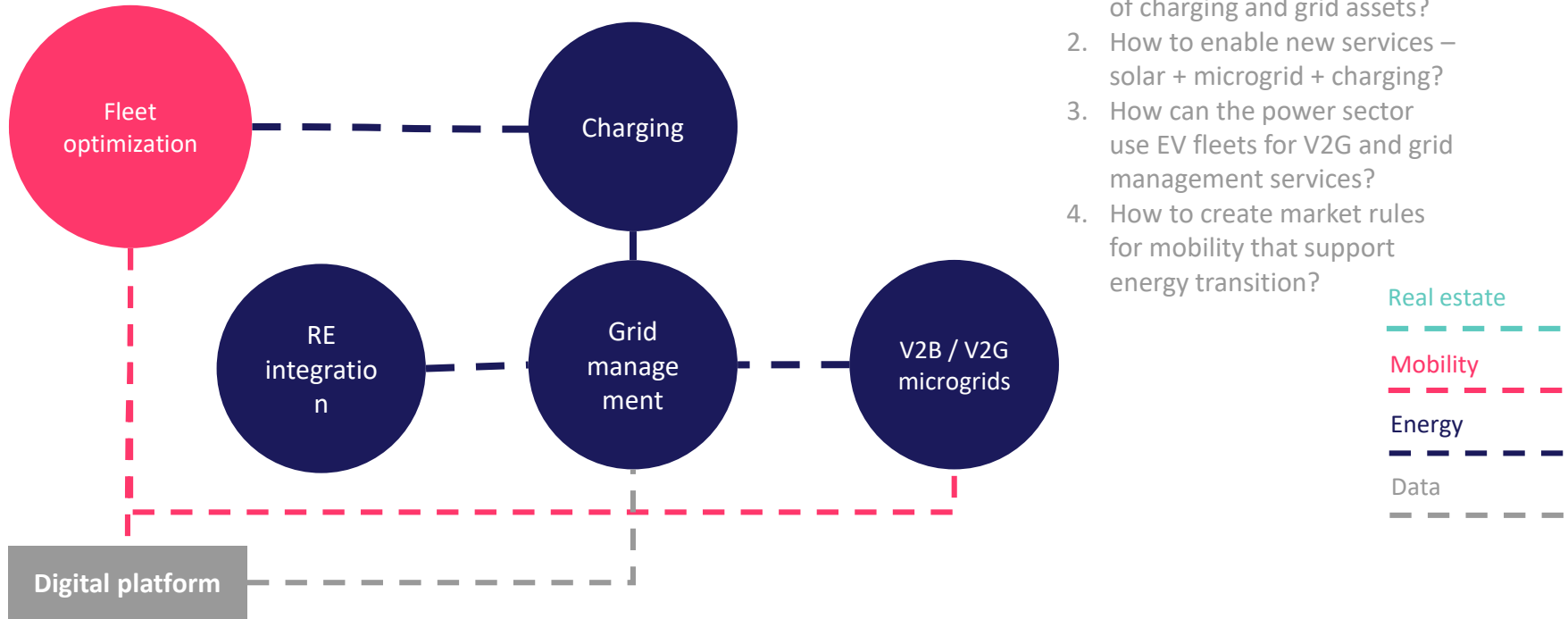
Energy



Data

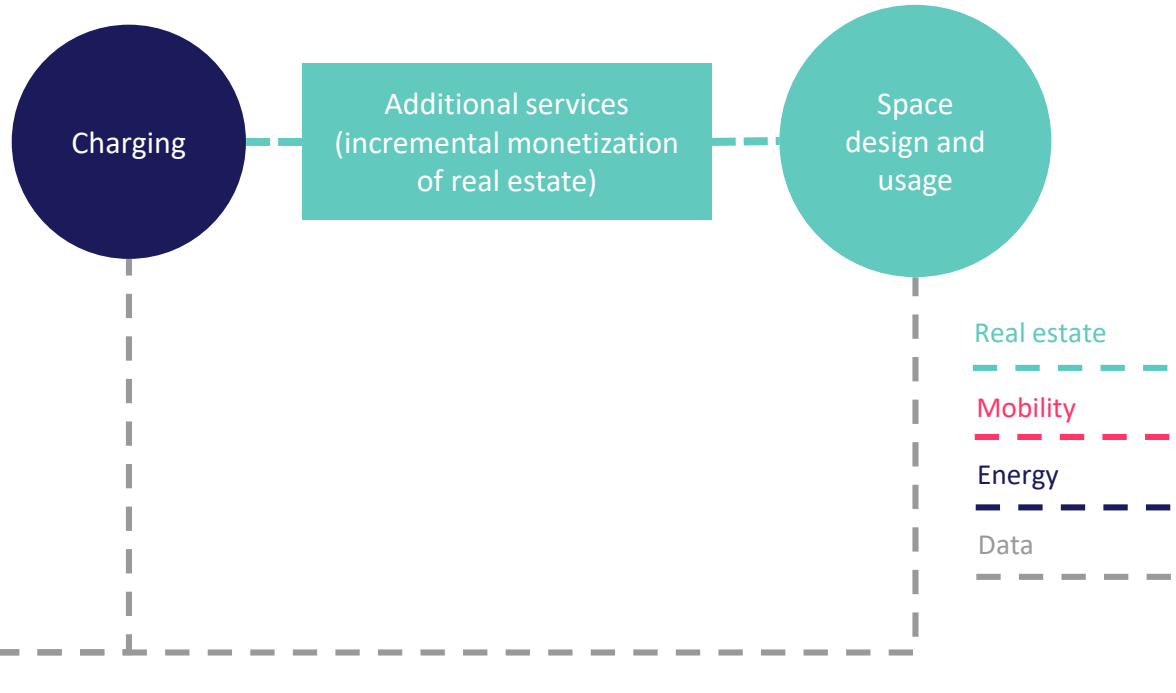


Making mobility, infra and space-management smarter

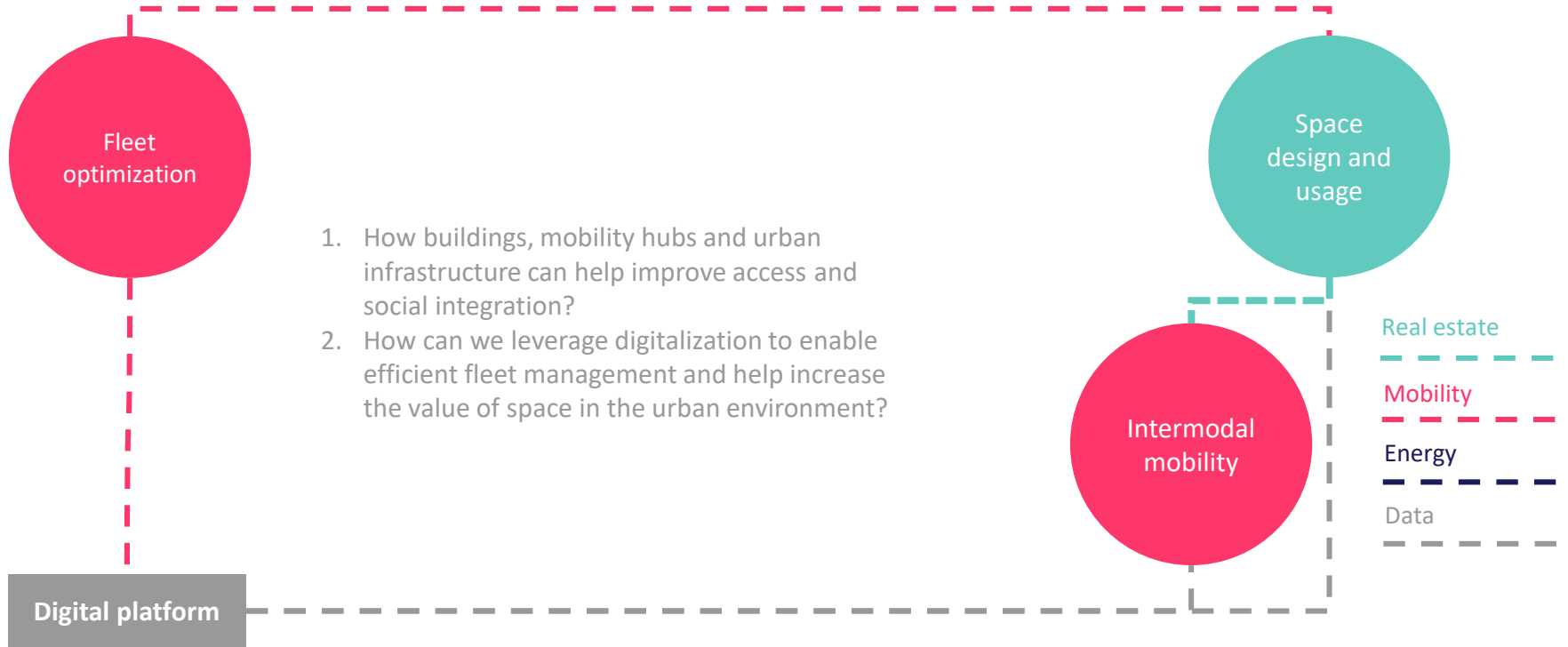


Making mobility, infra and space-management smarter

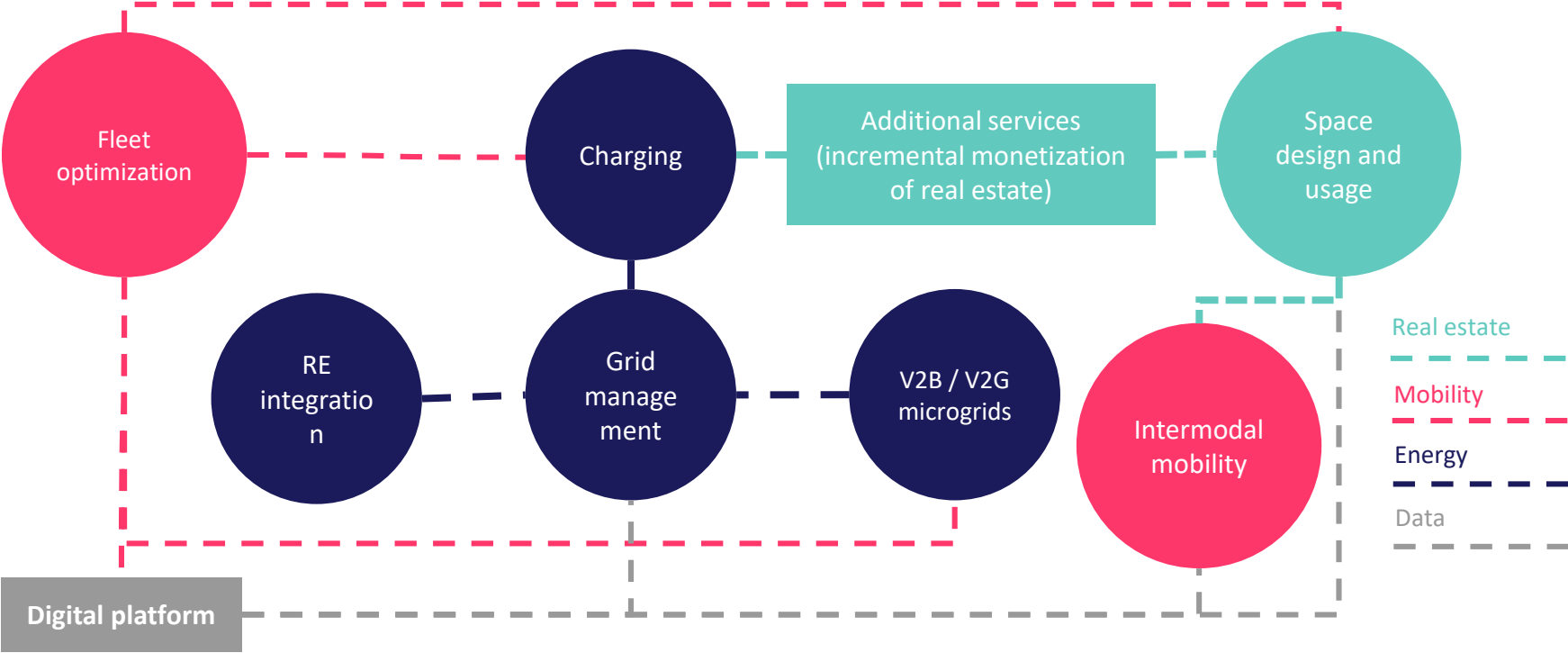
1. How to unlock land for charging infrastructure?
2. Is the current real estate licensing model fit for purpose for what we are trying to achieve?
3. Is there value in aggregating with other services? How can the value of space be enhanced / monetized by opening it up to mobility services?
4. How to make real estate ready for future requirement from space (including the requirement for being ready to provide charging infra)?



Making mobility, infra and space-management smarter



Making mobility, infra and space-management smarter



REmobility: working with forward looking business to accelerate decarbonization of mobility in India

Funding partners



Organizational partners



OEMs



Other tech provider



Start-up accelerator



Charging infra



Utilities



Mobility focussed companies



Corporations



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