



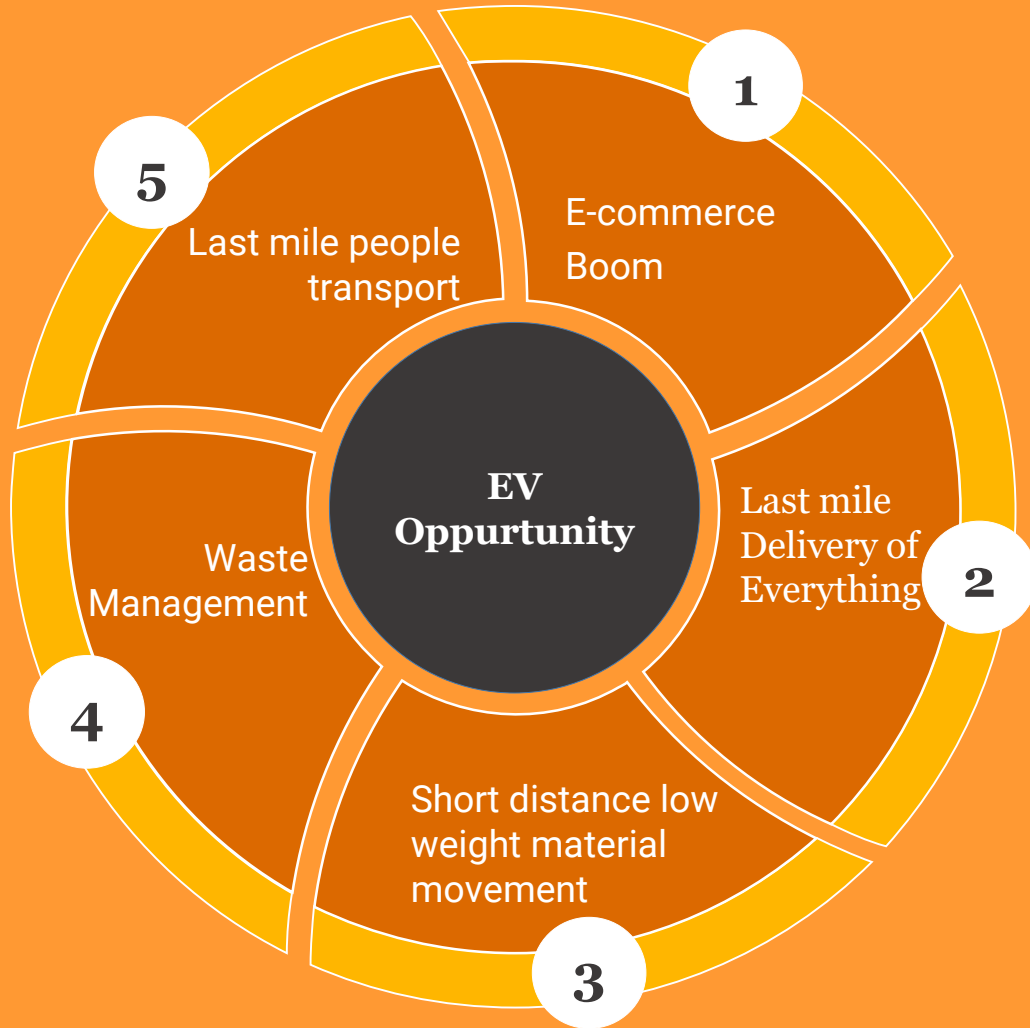
PI BEAM

**Sustainable
Affordable
Transportation
Solutions**

**Presented at Workshop on Sustainable and Green Transport in Bengaluru
Date: 20-1-2020**

An IIT Madras Incubation Cell Graduated Company

EV Opportunity and Share



1

Working with giant e commerce firms to solve the hyper local delivery logistics.

2

3 and 2 wheelers for food delivery, courier delivery, grocery delivery B2B and B2C players.

3

Micromobility vehicles for material handling in warehouses, factories and public workspaces

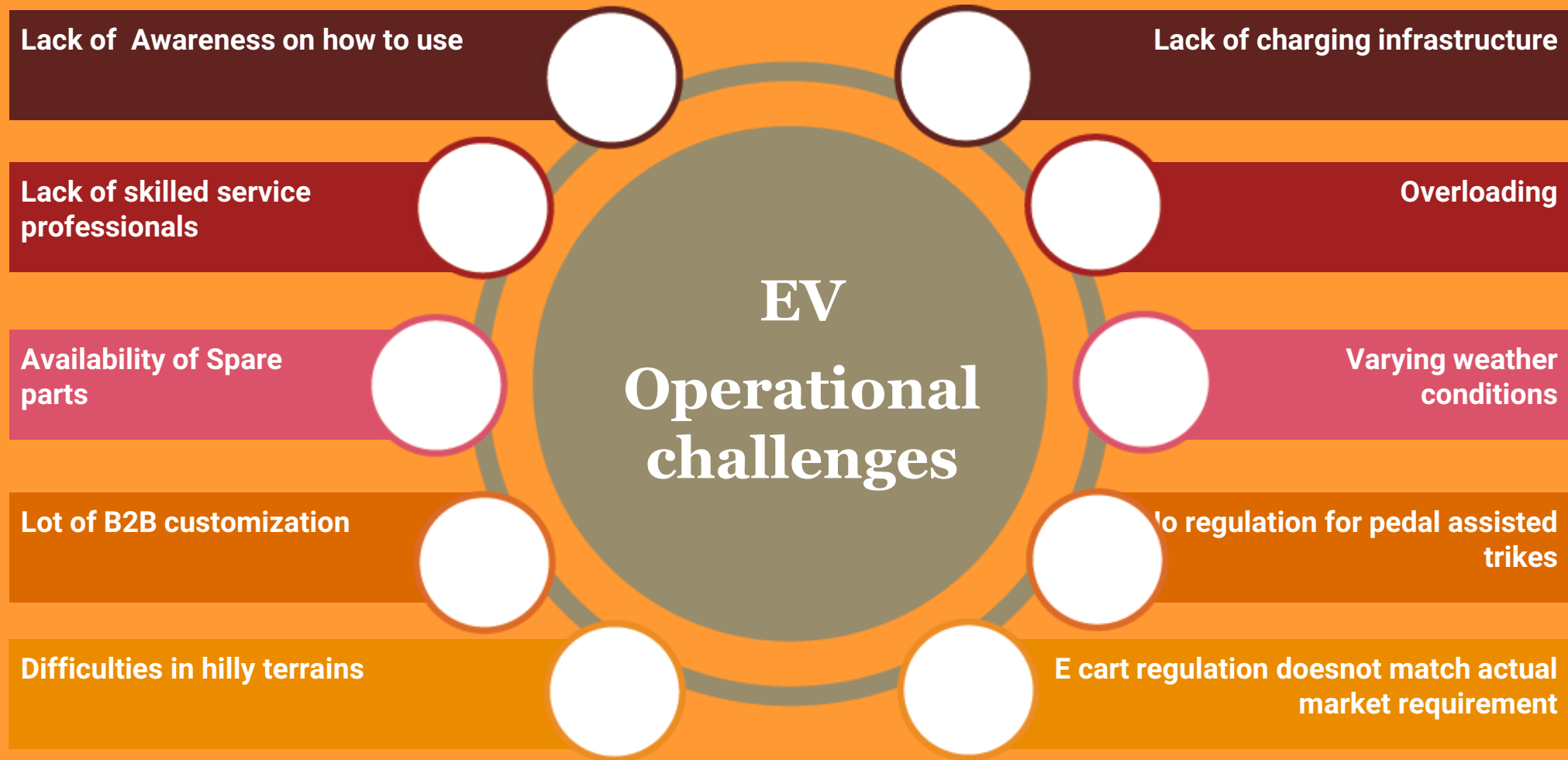
4

Works with Municipal corporations to convert all garbage collection vehicles to Electric.

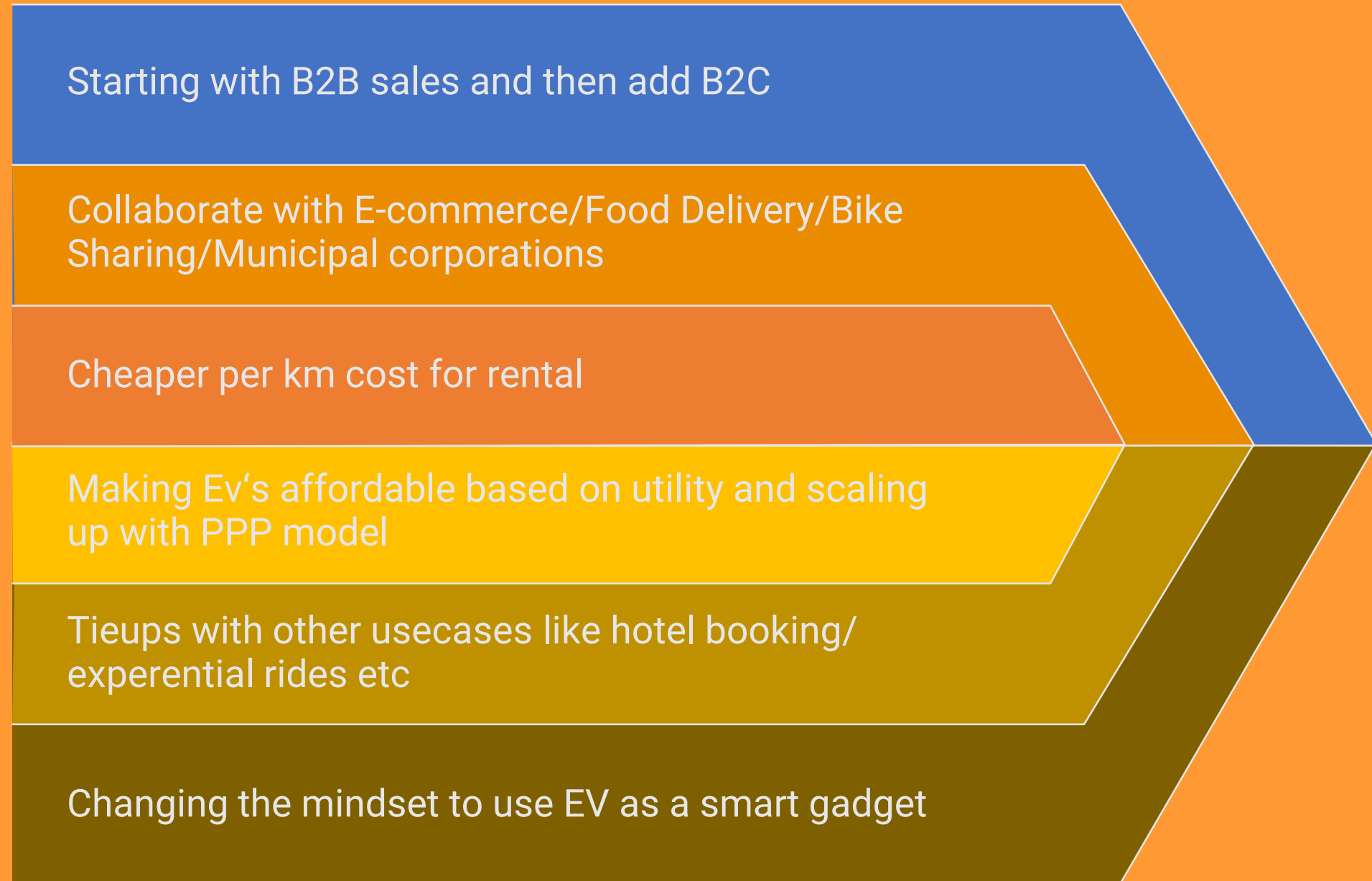
5

Works with two wheeler sharing/rental companies to solve last mile connectivity issues. .

Operating issues and Challenges



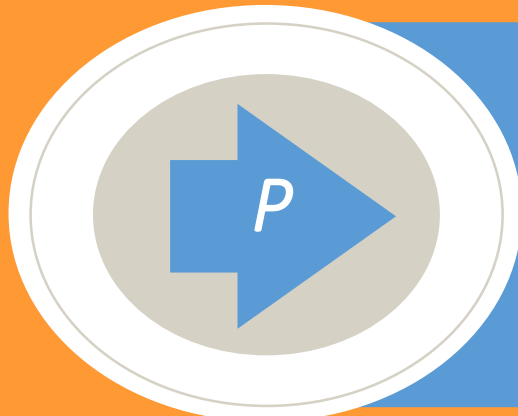
Accelerating EV adoption



Policy, Regulation and Infrastructure requirements



Accelerating EV adoption



Short Term

Green mile incentives for every km run using EV

Mandatory use of EV in campuses

Medium Term

CSR funding to be utilized for EV adoption.

Govt institutions should use only EV

Long Term

Govt Scheme for supplying EV to the needy.

Carbon credit system to be monetized

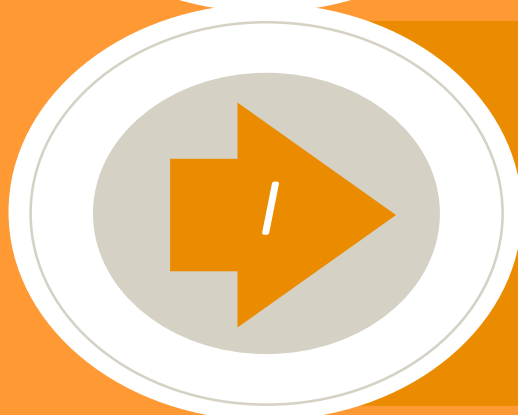


Exemption of licence a, registration for all micro-mobility vehicles(power of 750 w and below).

Pedal assisted trikes to be exempted by treating it as a tricycle.

No polluting vehicle to enter inside city or campuses.

Localization of components for RV to be made mandatory



Charging Infra using PPP model

Skilled service team to be looked at

Battery manufacturing infrastructure to be set up.

Battery Swapping stations should be set up for B2B usage.

Separate lanes for micro-mobility vehicles. Roads to be constructed taking into consideration of how to effectively utilize the micro-mobility vehicles.