

Potential of EV in Public Transport and Shared Mobility

Sustainable Mobility for Bengaluru

20th-January-2020, B. PAC (Bangalore)

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Public Transport Vs. Private Transport

Public transports are already much less polluting (Per person per km)

Public

- ▶ Much lesser pollution per person per km because of sharing the vehicle
- ▶ Mostly useful driving, reducing wasted driving
- ▶ Tighter control and regulations on pollution from Government



Private

- ▶ Much higher pollution because of individual car and bikes
- ▶ Vehicles drives a lot unnecessarily for parking and pickup, adding to a lot of wasted driving
- ▶ Relatively lesser control by Government in enforcing new pollution requirements

Why public transport

Most preferred choice of EV



Predictable use case

Easier to adapt

The routes are generally known.

Better ROI

Better contender for EV investment

Driven for 100-180kms in a day which is sweet spot for EV.

Government Control

Possible to enforce by law

Possible to replace large batch of IC vehicles in a short span of time.

Impact within the city

Better city pollution control

More significant and easily calculable pollution control.

Significant volume

Mass scale production opens market

Significant volume of similar type of vehicle which is needed to attain the critical volume for cost reduction.



Some known efforts

Companies have been trying to unlock this vast business potential

01

Sun Mobility

Pilots with e-Bus and e-Auto

02

BPCL

Pilots with e-Rickshaw and e-Auto in Kochi and Lucknow

03

Ola Electric

Coming up with pilots of 2 wheelers and 3 wheelers

04

Essel Infra

Pilots with e-Rickshaw in Chennai and Mohali

05

Rapido

Pilots with e-Bike in Chennai

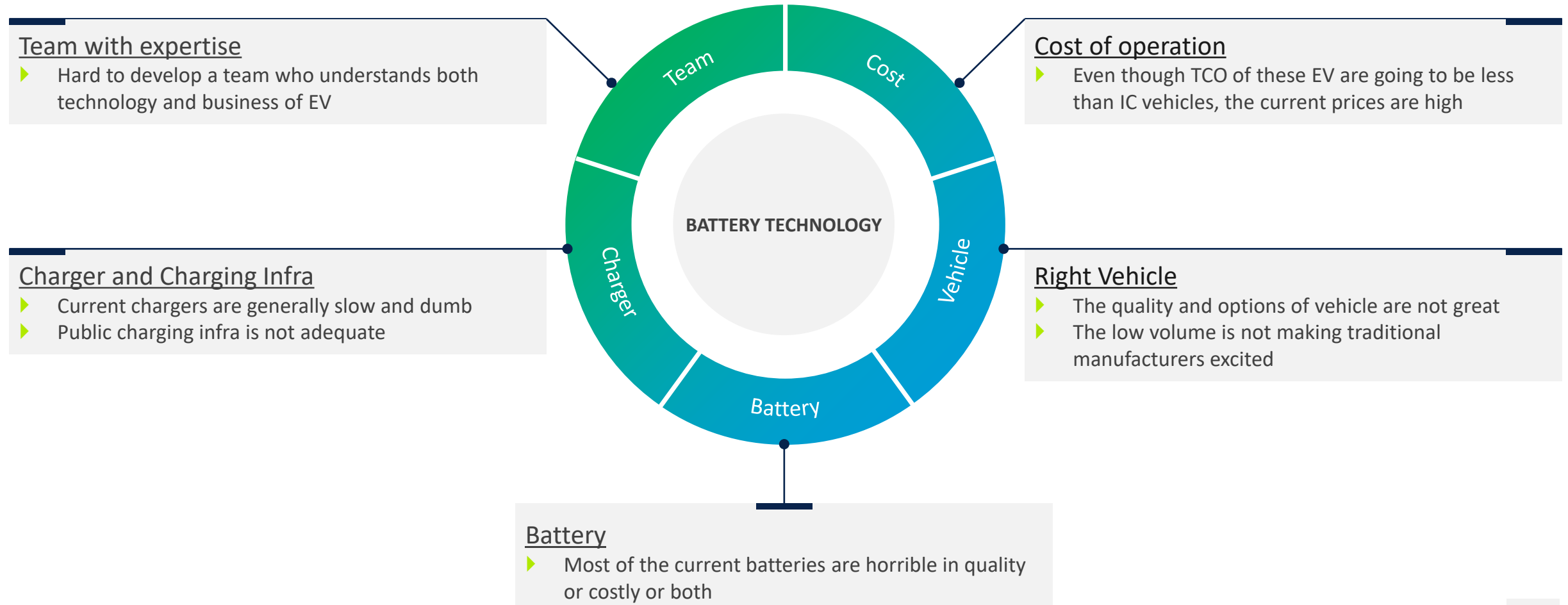
06

Many more...

A lot of other companies are planning pilots with electric vehicles and are at different stages.

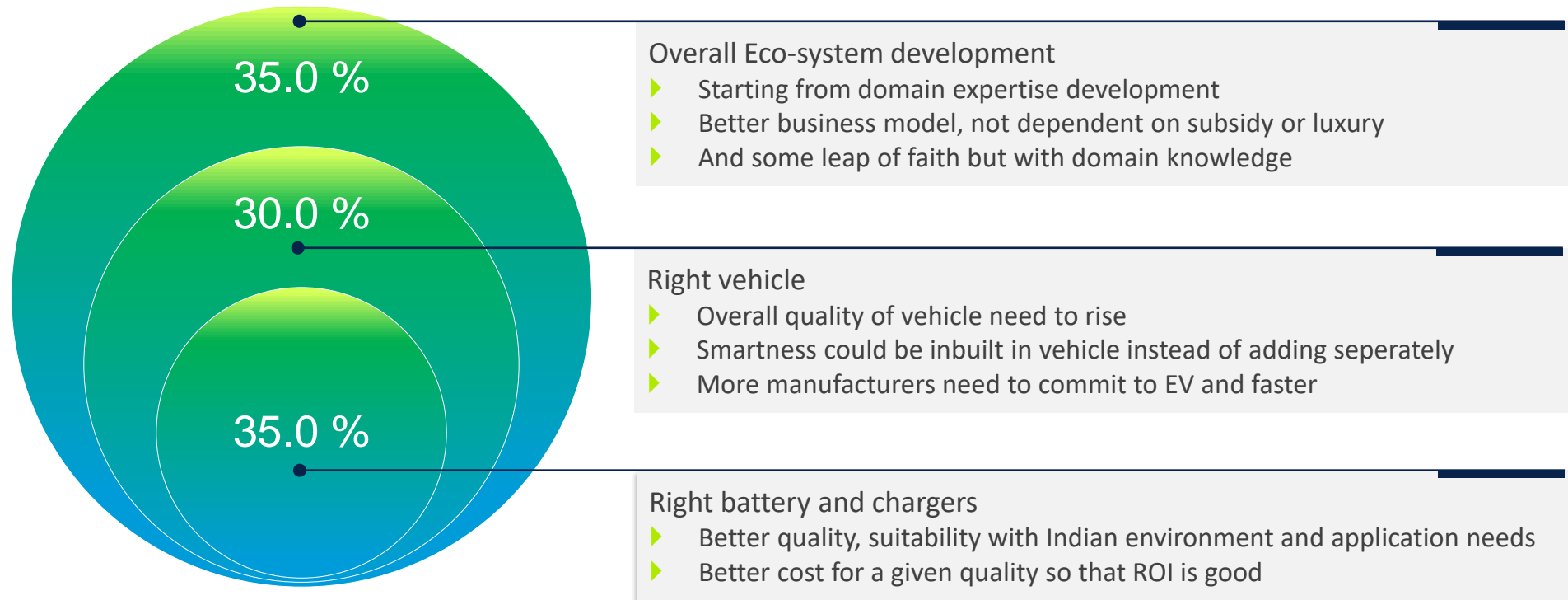
Challenges

Why adoption is still slow



Solution for larger adoption

What need to be done



THANK YOU

Reach us at contact@grinntech.com
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