



ElectRoad

Everywhere Anytime Energy

The Problem



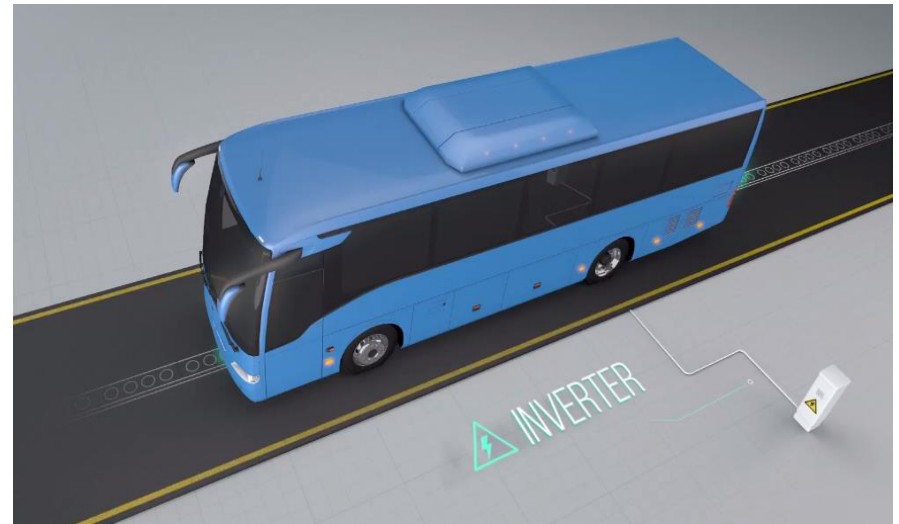
64% of all travel is made within urban environment

All pollutants will cause approximately 8 million global fatalities by 2020

Almost one quarter of carbon emissions is caused by the transport sector

The Solution

- ElectRoad takes a different approach by removing the energy source, the battery, from the vehicle and transmitting the power wirelessly directly from the road during the drive.



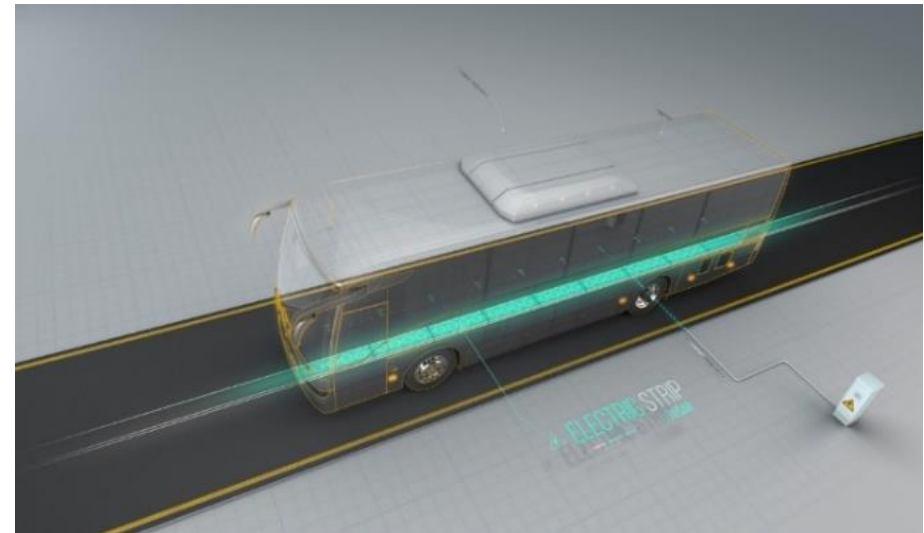
- ElectRoad offer a unique solution based on an extremely advanced technology, generic, universal and applicable to any electrical vehicle (Mainly for urban transportation - buses)

The System

Dynamic Wireless Electrification System for urban transportation

Main Components:

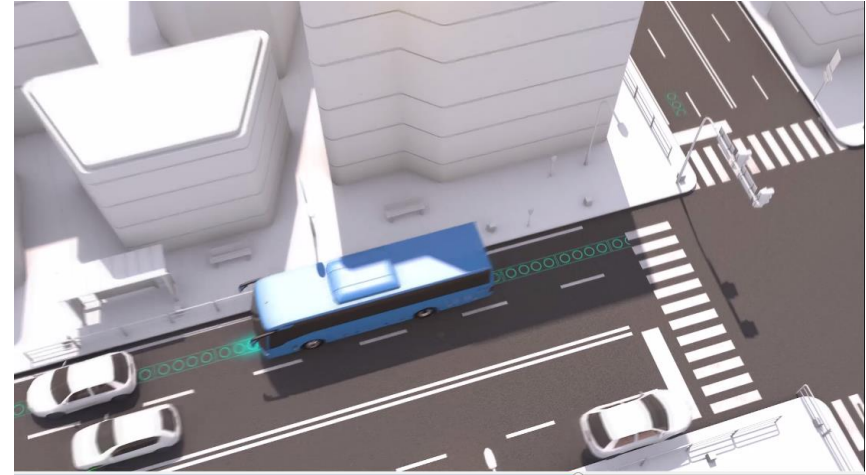
- ❑ Stripe :
Placed underneath the asphalt.
- ❑ Receiver:
Placed on bus's chassis
- ❑ Electric converter:
transforms energy from the grid to the stripe.
- ❑ Communication system



The System

What makes Electroad attractive?

- Significant lower costs of installation.
- Much easier and faster road installation. can be installed on existing road without major changes
- Once installed, can service multiple customers (city buses, taxis, municipal and commercial trucks, etc.)

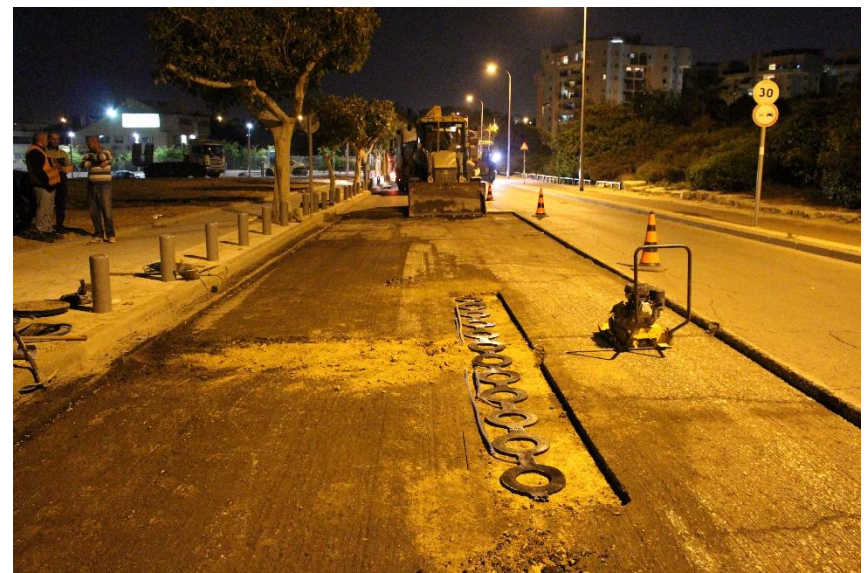


Special features include:

- Real-time communications between the system and the vehicles within the grid
- Billing system
- Energy transfer at maximum efficiency and minimum radiation



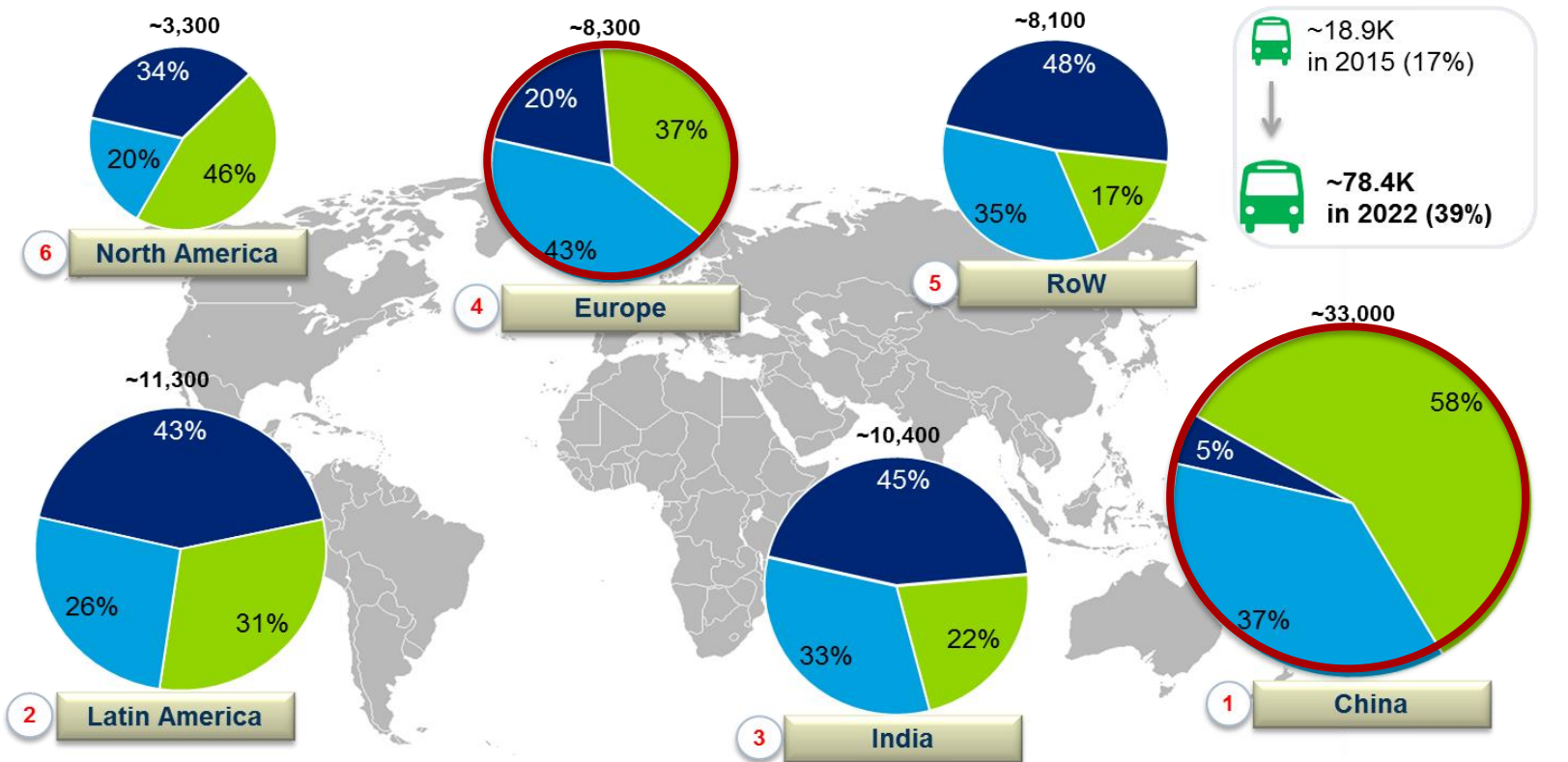
Unique DWPT system



Market Opportunity

Public Urban Transportation

Forecasted to grow at a CAGR of 20.6%.



Size of ball denotes the market size by unit shipment and (%) denotes the market penetration of 'H&E Transit Buses' in respective regions.

'x' Ranking of region as per market size of 'H&E Transit Bus'

Note: All figures are rounded. Source: Frost & Sullivan

Comparison

TCO Calculations for Buses – Bus line

\$M

33,000

30,000

27,000

24,000

21,000

18,000

15,000

12,000

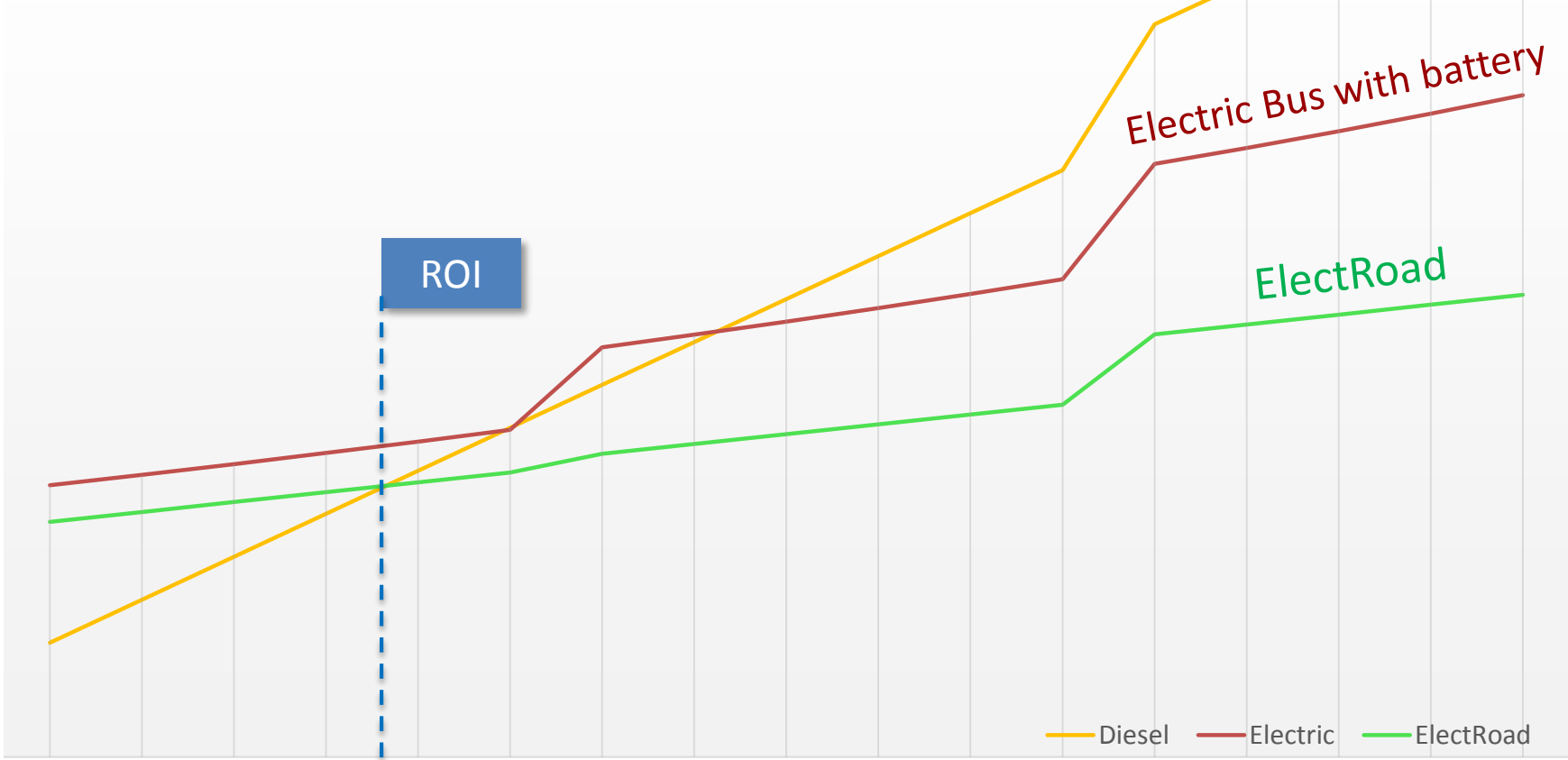
9,000

6,000

3,000

-

Day 0 Year 1 Year 2 Year 3 Year 4 Year 5 Year 6 Year 7 Year 8 Year 9 Year 10 Year 11 Year 12 Year 13 Year 14 Year 15 Year 16



Diesel Electric ElectRoad


ROI

Diesel Bus

Electric Bus with battery

ElectRoad

The Alternative

| | Hybrid | Electric Bus (Battery) | SuperCap Charged along the road | Battery charged during ride | Trolley |  |
|---------------------------------|-----------|------------------------|---------------------------------|-----------------------------|---------|---|
| Bus costs | Very high | Very high | High | Medium | Medium | Low |
| Infrastructure costs | Low | Medium | High | High | High | Low |
| Flexibility with other vehicles | √ | √ | Low | Medium | Low | √ |
| Maintenance | Medium | Medium | Medium | Medium | High | Low |



Thank you