




ready to go green?

**KLC SHARED ELECTRIC
MOBILITY SOLUTIONS**

MOBILITY

HOW EASY AND CHEAP
IS FOR US TO MOVE
AROUND IN A BIG
URBAN CENTER SUCH
AS LISBON?



2017 LISBON REALITY

80%

is the average
downtime of a
vehicle

1.2

PASSENGERS

is the average of
people using
their car in each
dislocation

**MORE CARS
THAN SPACES**

Parking
management
issues

14HOURS

is the average
time a driver
spends in traffic
at A5 highway

**HIGH CO2
EMISSION**

in a Lisbon
overcrowded
with cars

**CAR
OWNERSHIP**

gets more
expensive every
year

Car-Sharing

- Station Bound:
 1. Cars are parked in a dedicated parking spot
 2. Cars can be dropped off at any dedicated spot
- Free Floating:
 1. Cars can be picked up and parked anywhere
- Free Floating, emission free:
 1. Instead of ICEs, only EVs are used

DIFFERENT APPROACHES

OUR VISION: KLC SHARED MOBILITY

CUSTOMIZED SOLUTION

IT IS NOT CAR SHARING, NOR CARPOOLING
NOR PUBLIC TRANSPORTATION

KLC OFFERS AN ALL-INCLUSIVE SOLUTION:

- ELECTRIC VEHICLE
- ENERGY FOR DISLOCATIONS
- CHARGING STATION
- VEHICLE MAINTENANCE
- INSURANCE

EXAMPLE



- Working hours only
- Use for different type of dislocations (eg, meetings, training, etc.)
- No need to purchase own vehicle
- Eliminates / reduces costs with Uber, Taxi or public transport

CHALLENGES

1. Electrical Vehicles have little autonomy
2. Little charging infrastructure
3. High charging times
4. Cities must provide sufficient demand
5. Political Support
6. Parking access
7. Coherent serviced area
8. Define a suitable first target to gain traction

1. Electric vehicles do not emit CO₂, NO_x or any particles.
2. Suitable for applications with limited mile range
3. Electrification is financially most beneficial than fossil fuels
4. Reduce of Noise Pollution
5. Significantly low cost per Kilometer
6. Its transmissible.

BENNEFICTS

OPPORTUNITIES

1. Vehicle to Grid (V2G)
2. Park Automatization
3. Downsize of parking spots
4. Focus on changing the production of energy to renewable sources
5. Green awareness
6. Paradigm change

1. Infrastructure – Charging Points
2. Infrastructure – Dedicated Parking Spots
3. Infrastructure – Interface user/infrastructure
4. Interoperability between Infrastructures
5. Political support
6. Public/Private Investment

WHAT'S NEXT?

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info@kmlowcost.com

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