

EMEL – ITS

Exceptional Mobility, Greater City!



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1. A little bit of History...

2. Mobility Department - Team ITS

2. Challenges

3. What we are Doing2.1 Modernization2.2 Traffic Model2.3 SIM.Lx





of the on-street parking



- . 81 dock stations
- . 500 bicycles

- . Over 75 000 On- parking spaces
- . Over 3 000 parking meters
- . Over 90 000 resident "distics"
- . Over 6 000 Off-street Parking spaces











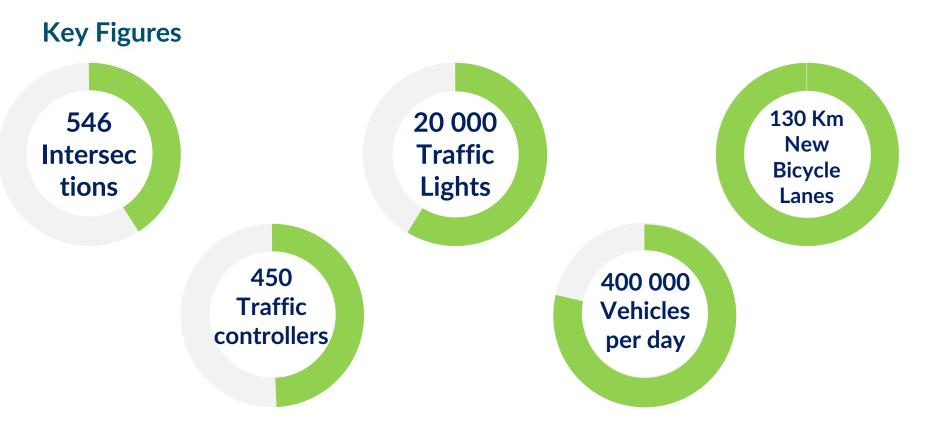
Scope of Expertise





Challenges!!!





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New Traffic Controller

Substitution of all traffic controllers for technology of last generation with OCIT protocol



New Sensors

Substitution of the old loops for new wireless and radar sensors

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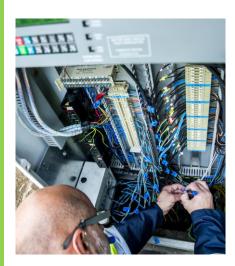
New Intersection Programs

Update of all traffic program

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LED Optic Monitorization

Possibility to know remotely which LED optic is not working



Modernization.







New Traffic Model - PTV

Built from Scratch, which include all roads, traffic lights, public buses



(4)

Macroscopic Level

Built from a strategic point of View

Different Inputs

Loads of Data were used to build the model

Reference for the future

All traffic studies will derive from the model Database for SIM.Lx





All Road and Movement tipology coded



Peak hours coded

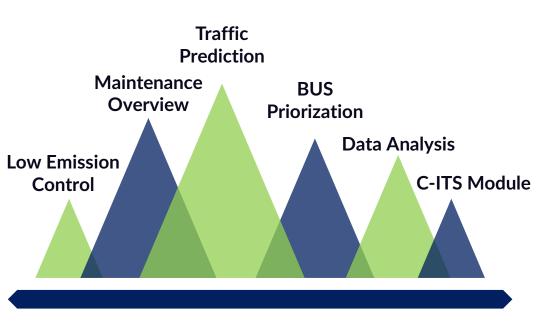






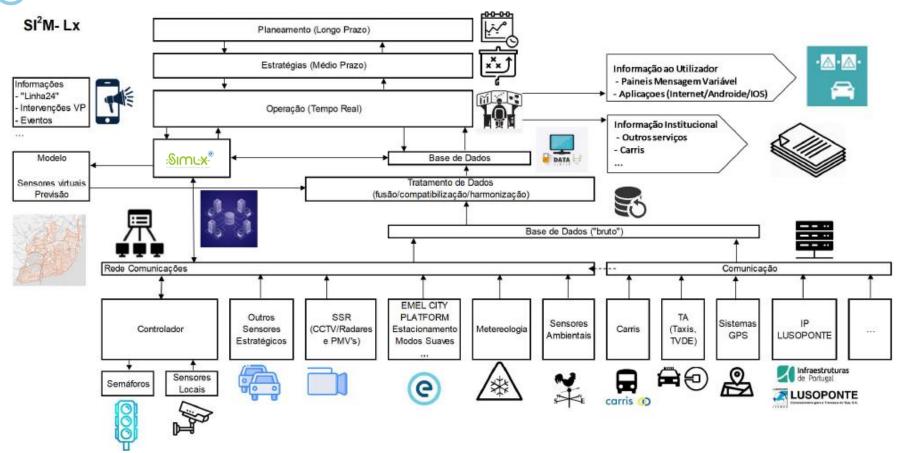


Safe and reliable at all Levels





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Thank you.

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