

# Future Cities Living Lab in Porto

## Smart Cities and Use Cases 4<sup>th</sup> EU Summit on the Future Internet Aveiro, Portugal

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# Future Internet is...

- Internet of Things
  - Machine to machine communications: the fabric
- Streaming media, gaming, augmented reality
  - Converged networks: fiber, cellular, wifi, device-to-device
- Big data, machine learning
  - Cloud computing: efficient sharing for scale

# Smart City Use Cases

Sharing Economy

Lifecycle Assessment

Mobile Health

Energy Efficiency

Participatory Citizenship

Intelligent Mobility

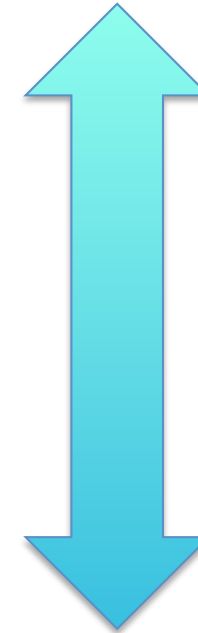
Smart Factories

Smart Environments

# Challenges

- Connectivity and response time
- Security and privacy
- Interoperability
- Usability
- Data access
- Interdisciplinary collaboration
- Business models
- Stagnating economy

Technical



Soft





# FUTURE CITIES PROJECT .EU

# Mobility and VANET

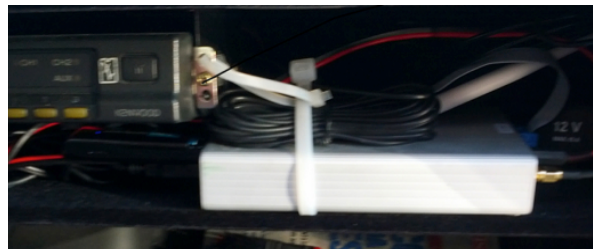
- Taxis, buses, harbour trucks
  - Vehicular communication
  - Equipped with sensors
  - Remotely managed



universidade de aveiro

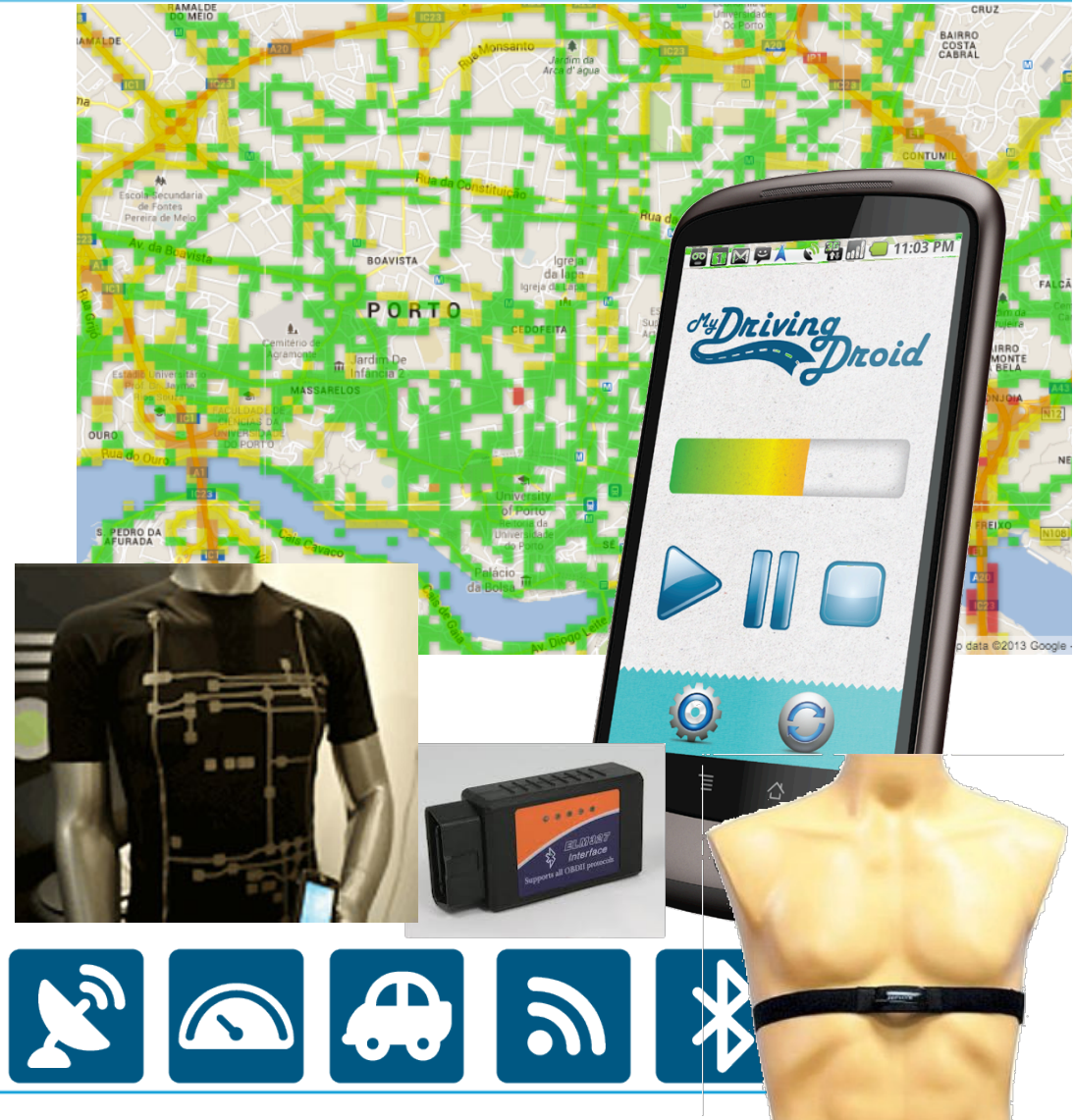


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# SenseMyCity

- Crowd-sensing platform
  - Location, activity
  - Heart wave, CAN bus
  - Emotion questionnaires
- End user trust
  - Firemen, policemen, bus drivers
  - Citizens in general





# Porto – *Our Living Lab for Future Cities*

