

## THE (NEAR) FUTURE OF MOBILITY

“Choice” as the paradigm of innovative mobility, Integration between static volumes and dynamic flows

- We are living a new era for Mobility in the cities. Mobility is becoming an element that is more and more central in the urban planning of the cities and metropolis.
- Mobility patterns are also changing. We move more and more often. The systematic trips (home to work) of the past have multiplied in a series of erratic, multi-purpose movements between several static objects.
- The interaction between static and moving objects (the design of Flows) is becoming a layer of primary importance in urban planning.
- Innovation technology is radically changing the way that we move around. The era of the dichotomy between public and private transport it's coming to an end. None of these will disappear, both of them are essential for the liveability of the cities, but they will not be alone.
- We have entered in the era of Shared Mobility, the concept of property of a vehicle will soon come to an end, and the era of temporary ownership will become real.
- The future of mobility and the liveability of the cities will be more and more related to the potential “choices” for the users: the right mode, for the right movement, for the right needs and necessities of the user (economic, social, sustainability)... And technology is the key for helping this choice.
- But this is just the first and most immediate radical change that technology is forcing into the present. The near future will also see two great technological shifts:
  - The mass deployment of electrical vehicles in the automotive market
  - The development of autonomous vehicles in our streets.
- These technological layers will radically change the way that we move and the way that we plan cities. The way of doing urban planning will be different and will have several impacts on several aspects of society:
  - For the Users: multi-platform services for real and digital services
  - For Urban planning and legislation (big data – ability to understand traffic patterns in real time, parking and planning standards, transport accessibility mapping)
  - For the retrofitting of the traditional cities:
    - Energy grids (how we are going to cope with the massive deployment of the electric vehicles?)
    - Data bandwidths (5G and autonomous vehicles)
    - The street layout and design with the autonomous vehicles (design, legislation, insurances, the foggy area of transition from human to autonomous when all will be mixed)
- For all these reasons Flow Design is going to be even more important in the near future, radically changing the way we design, our cities.

Finally, can San Marino Republic become an International example of Sustainable Mobility? (few slides on San Marino Draft Strategic Plan).