EV and mobility issues

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Introduction of the IAEE Webinar

Today mobility is

- 1. Mostly privately owned Internal Combustion Engines
- 2. Polluting sources of various emissions (CO2- NOx-PM...)
- 3. Raising urban congestion issues
- 4. Generating Noise pollution
- 5. Inducing an Overuse of public space for car parks
- 6. Killing or injuring drivers, passengers and pedestrians
- 7. Little use of carsharing mobility services for pooling
- => So actual business model is clear: mainly private with no internalisation of main issues (externalities and network effects)

We must explore 3 innovations

- Electric car (Hydrogen or Battery EV)
 - Noise reduction
 - Local emission reduction
 - Global emission reduction if electricity comes from Renewables

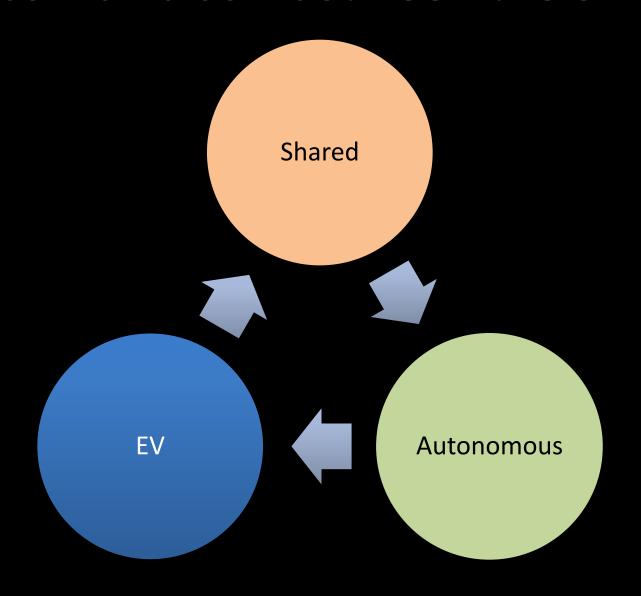
Sharing Economy:

- Reduction of urban congestion (4-15 cars for 1 shared)
- Cost reduction per Km for passengers

Autonomous cars

- Running all the time (- refuelling time) => non stop services
- Fewer accidents but unclear liability rule in case of accident

And the combinaison between the 3 innovations



IAEE Webinar May 6 2020

Electromobility: technical solutions for system integration

• Moderator: Yannick Perez

Speakers:

- Rémy le Boennec
- Emilia Suomalainen
- Icaro Freitas Gomes
- and Christophe Bonnery

Outline of the session

