



POLIS CONFERENCE - energy transition for buses and coaches

Île-de-France Mobilités

-
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CITIES AND REGIONS FOR TRANSPORT INNOVATION

Energy mix

Ile-de-France Mobilities is:

- The Ile-de-France region transportation authority
- 10,000 buses and coaches
- 140 operational bus centers
- 75 transport operators : KEOLIS, RATP, RATP DEV, SAVAC, TRANSDEV, etc.

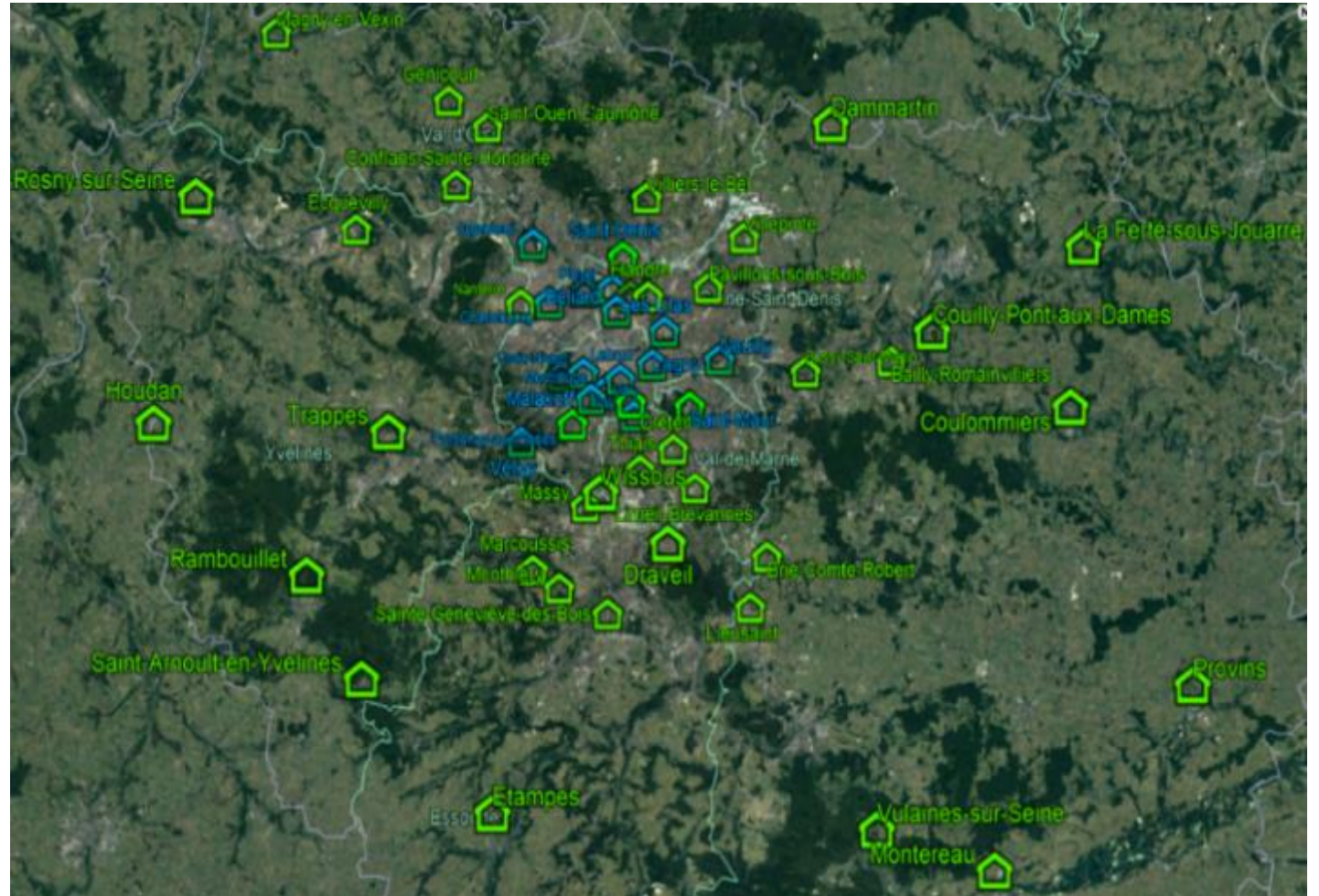
An energy transition:

- Begun since the 24th of April 2018 and the Council's deliberation
- In 2025 in dense areas and in 2030 throughout the entire region
- for 75% in biomethane and for 25% in electric (overnight charging)

Ongoing energy transition

Operational bus centers

- Without 'clean' operational bus centers, no 'clean' buses
- By the middle of 2022:
 - 40 operational bus centers converted with 34 in biomethane and 6 in electric
 - 3.900 parking spaces
 - 290 M€ in investment
- Relevance of each energy
 - operating range
 - industrial offer
 - Fast charging allowed



Ongoing energy transition

Buses and coaches

- Regional standardisation
- Purchased by Île-de-France Mobilités via the CATP and RATP
- By the middle of 2021 :
 - 940 biomethane buses and coaches
 - 560 electric buses
 - 580 M€ in investment



Prospects

Biomethane

- Ongoing R & D
- Innovations:
 - Processing digestate
 - CO₂ valuation
 - Gasification
 - Methanation



Electric

- Study contract on the conversion of bus lines to fast charging
- Study contract on the opportunity of trolleybus



Hydrogen

- Limitations
 - Economical
 - Environmental
 - Technical
- Ongoing experiments on 7 buses
Non mature technology



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Annual Conference 2020

VIRTUAL EVENT | 30 NOVEMBER-3 DECEMBER 2020