Paris Transportation Trip Learnings and Exchanges

Vice-Chair Melgar Executive Director Chang

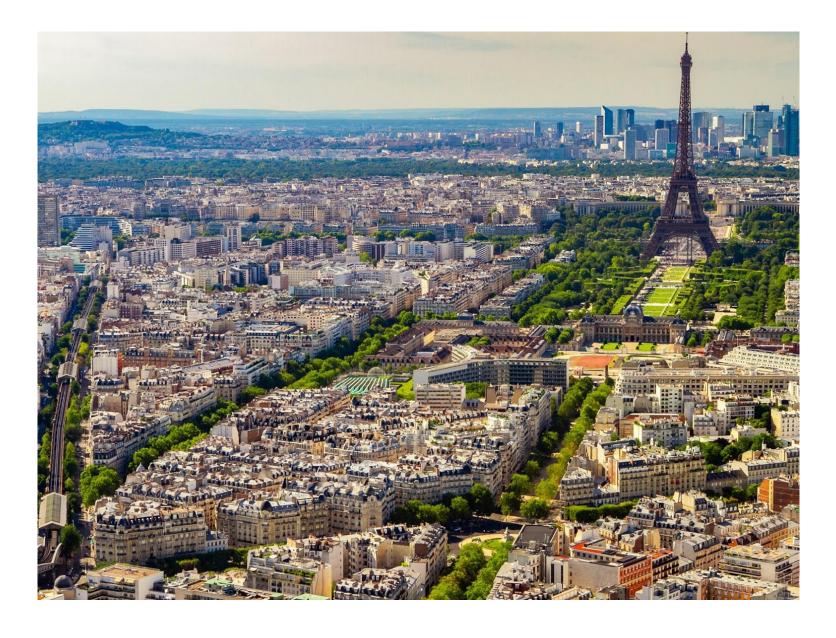






Paris at a Glance

- 2 million pop
- 41 sq. miles area
- Part of Ile-de-France region (12 million), GDP E765
- Paris Metro serves 5.2 million passengers daily
- Mayor Anne Hidalgo
- 20 arrondissements, each with own Mayor and total of 120 deputy mayors
- City budget E9.5B (2018)





Agenda

- 1. Local Streets & Transit
- 2. Oliver Wyman Executive Mobility Forum
- 3. RATP (Paris Transit Operator)
- 4. Societe du Grand Paris Express





Local Streets & Transit





Velib Bikeshare and Paris Streets

- Paris has 64% public transit mode share for work trips, 11% commute by private automobile, 11% walk or skate, 6% bike and 4% commute by motorbike
- Mayor Hidalgo's climate and transportation initiatives "<u>Paris Respire</u>" (literally "Paris Breathes"),:
 - 50 kilometers (31 mi) of pop-up cycle lanes known as "coronapistes" to ease pressure on public transport
 - Removal of over half of Paris' parking spaces (70,000 out of 140,000 spaces) and increasing parking fees
 - Conversion of certain sections of a highway along the <u>River</u>
 <u>Seine</u> into a riverside park

 - Creating "15-minute city" access to schools, offices, shops, parks, health centers by a 15-minute walk or bike ride









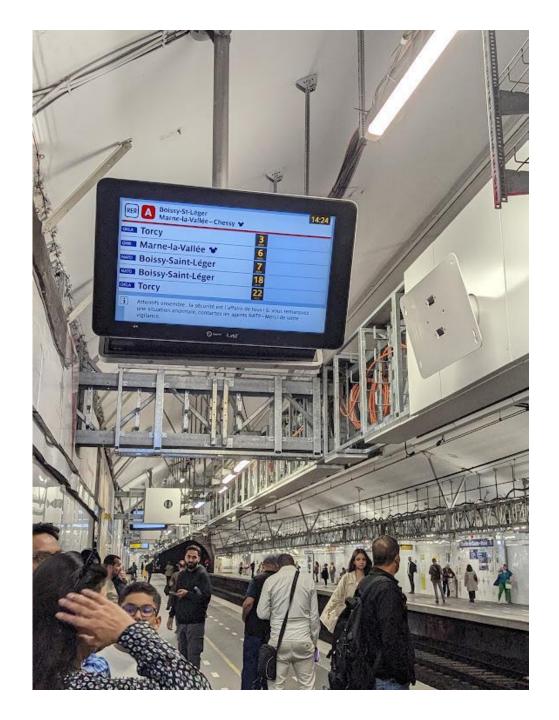


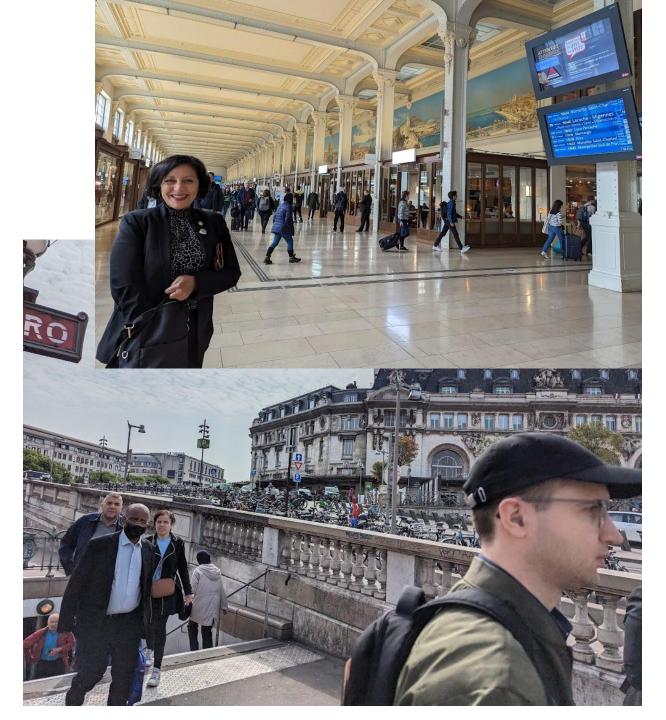






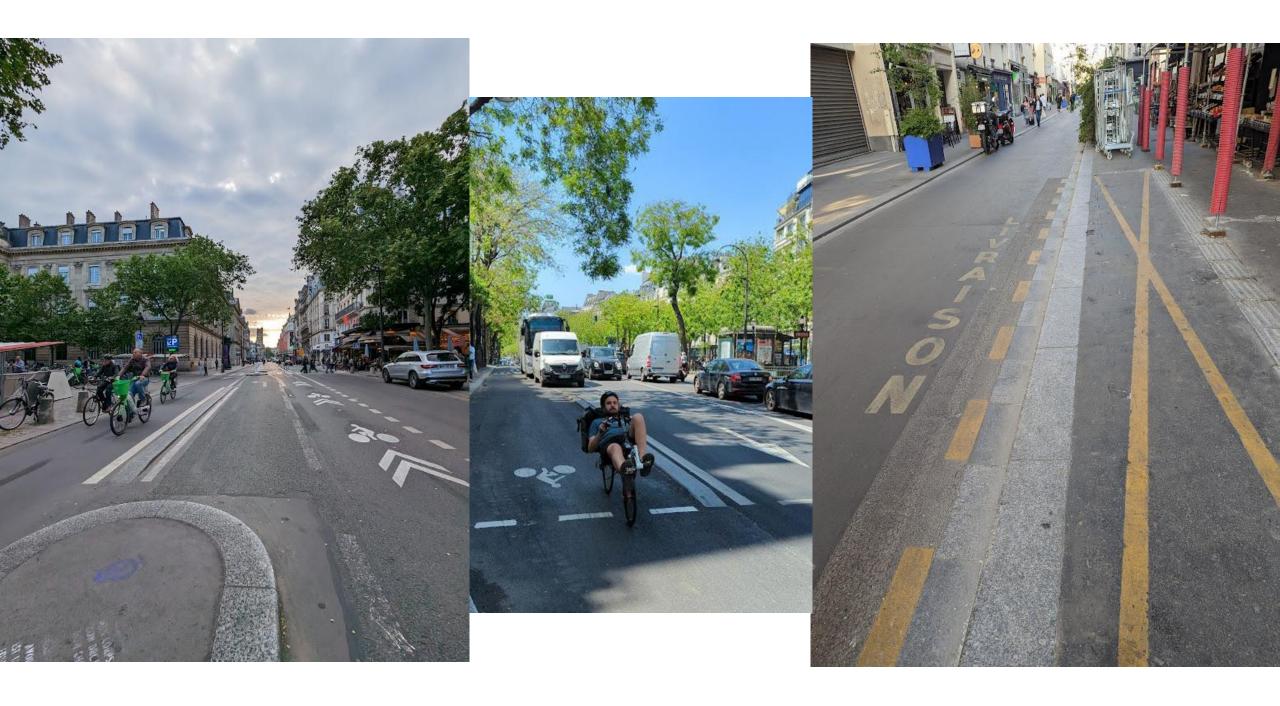






Gare de Lyon



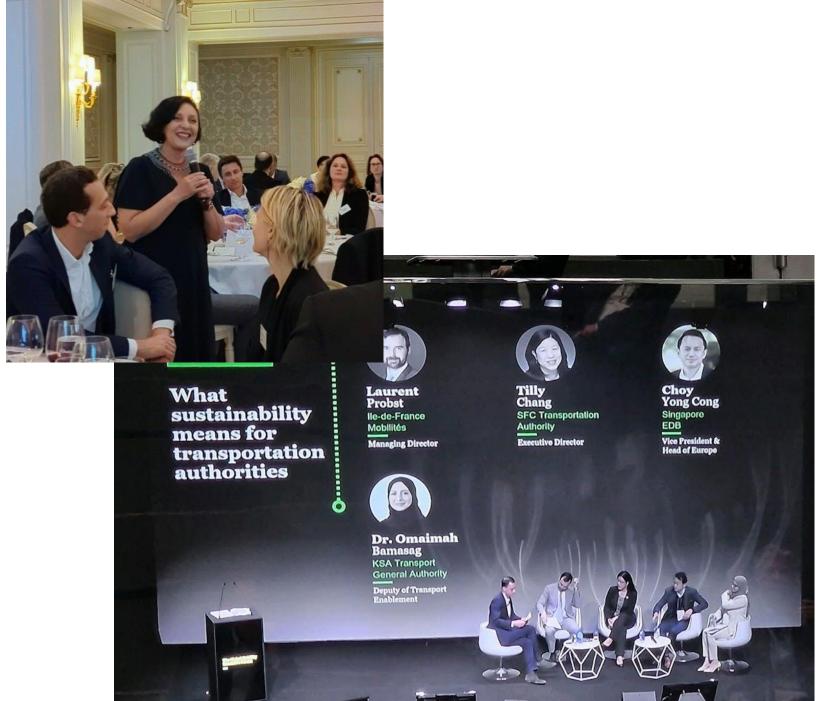


Oliver Wyman Executive Mobility Forum



Oliver Wyman Forum

- SF Ranked #1 in Mobility Readiness
- VC Melgar featured speaker at CEO dinner
- Dir. Chang spoke on Sustainability panel
- Participated in workshops on decarbonization of parcel deliveries (Amazon) and EV insights



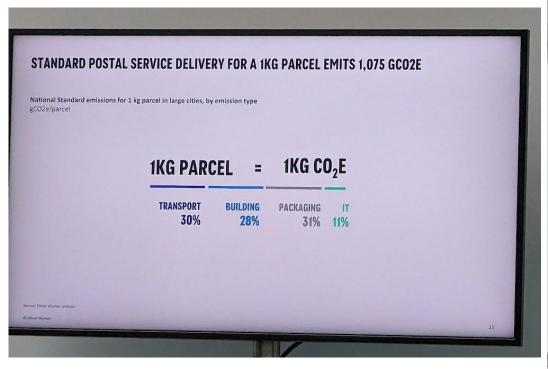


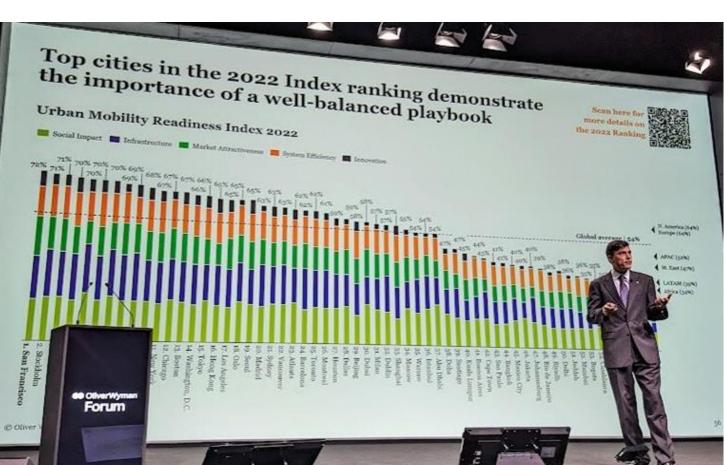
Oliver Wyman Forum

- SF Ranked #1 in Mobility Readiness, lower on Sustainability and Transit Indexes

- Parcel Delivery workshop was interesting (OW +

Amazon)





UITP Secretary General

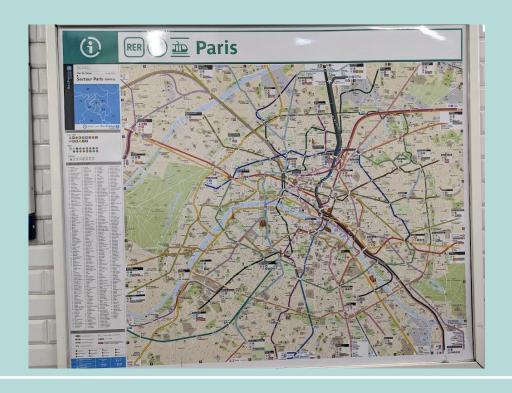
- Compared EU post-COVID situation to US/SF
- Climate efforts
- Transit funding and sustainability
- Ride-hail regulation





RATP







RATP Group

- Public transit services provider contracted by regional authority lle-de-France Mobilites
- RATP operates 34 bus lines, 16 Metro rail lines, 8 tramway lines and sections of the RER regional rail and suburban rail systems
- RATP Dev is engaged transit operations across France and the world in transport, autonomy, energy, development and finance





RATP Dev/Group

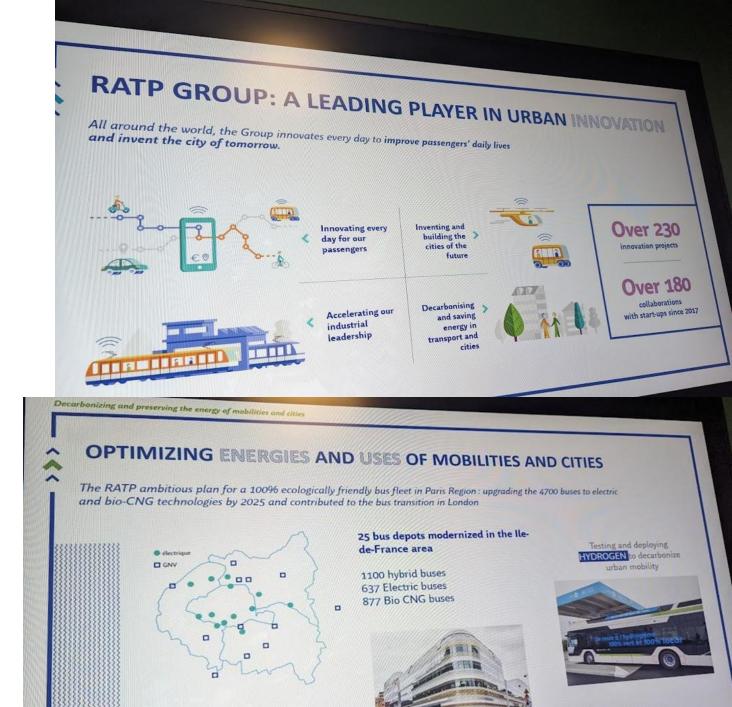
RATP operates in 16 countries, including US

E1.5B in Revenues

Lines of Business include:

- Public Transport
- Real Estate
- EV and AV buses and cars
- Logistics
- Fiber Optics, Telecom
- Energy











Comparison of existing alternatives to diesel

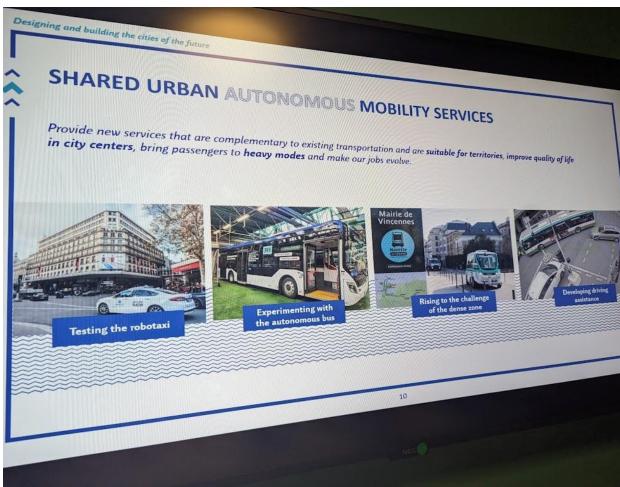




RATP Dev

- MaaS
- Autonomous Services

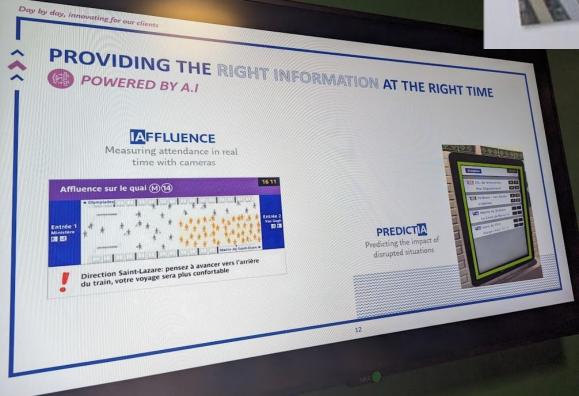


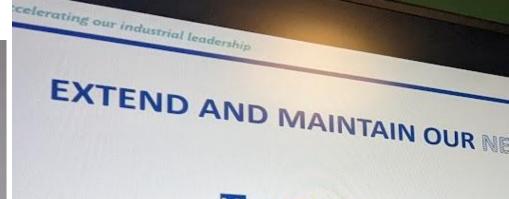


RATP Dev

- AI
- Robotics











Societe du Grand Paris





Paris Grand Express

- Largest infrastructure project in Europe E 56B
- Grand Paris Express set up by 2010 federal Law
- Delivering 4 lines, 200 km, 68 stations (10% aerial, 90% subway)
- Connecting poorer suburbs on east
- Circumferential with N/S axis connecting airport to support Summer Olympics in 2024





Funding:

- Office space tax
- Special infra tax
- Property tax on restaurants and biz
- Flat rate tax on network biz
- Regional tourist tax
- Regional parking space tax









Notable:

- Attention to outreach
- Architecture of stations
- Green features/bonds















