

AECOM Ventures

Focused on Innovation and Technology
In Our Evolving Infrastructure

Transportation Initiatives

Connected and Automated Vehicles
Electric Vehicle Infrastructure
Smart Cities
Mobility as a Service
Hyperloop

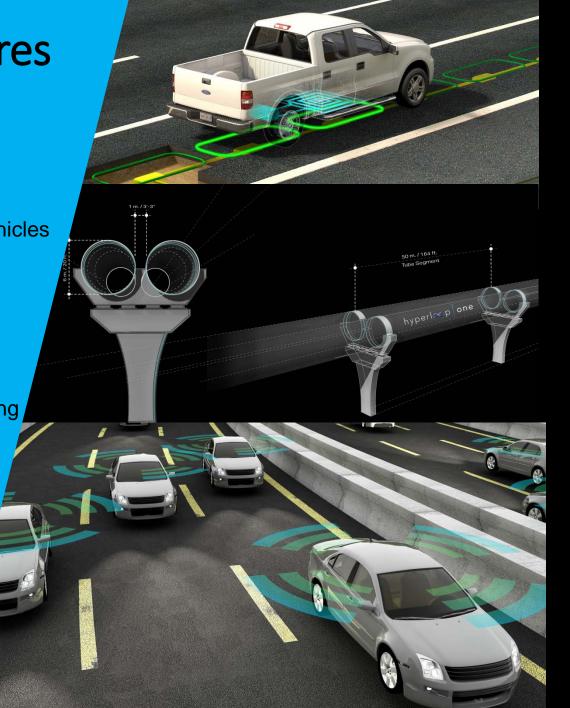
Focuses

Policy and Strategic Planning

 Technology Integration and Deployment

Infrastructure Readiness

Partnerships



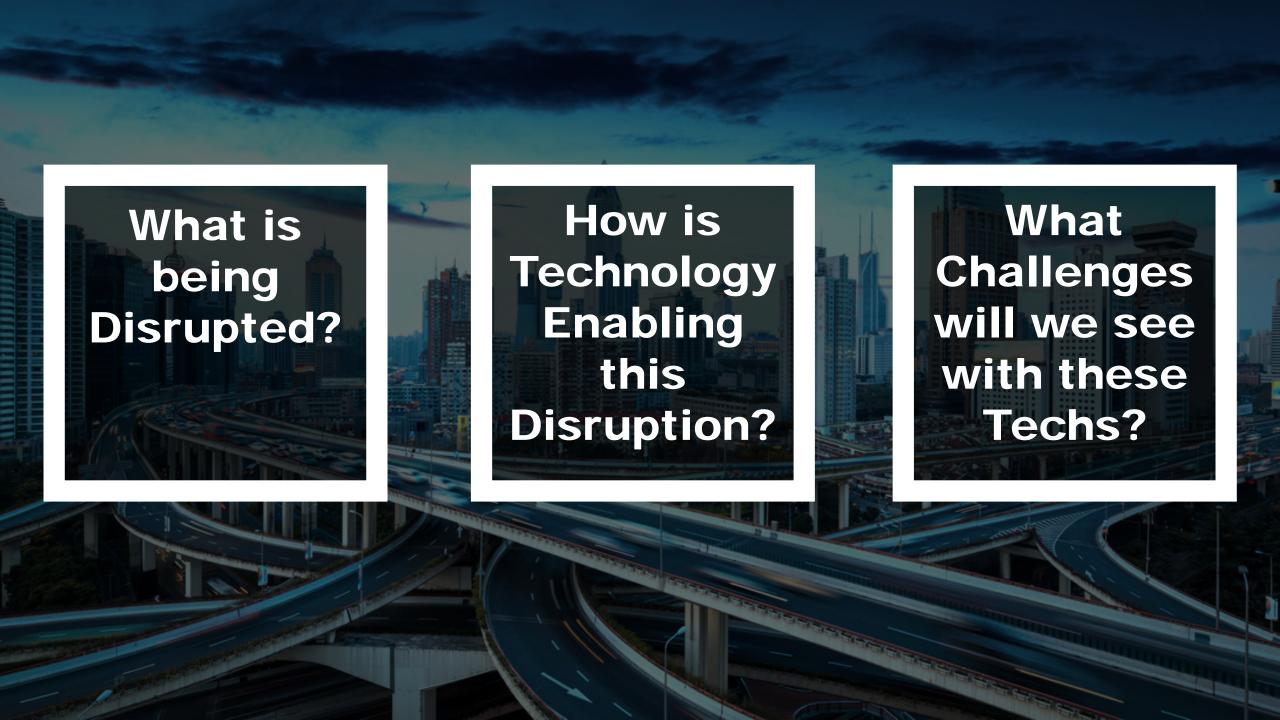




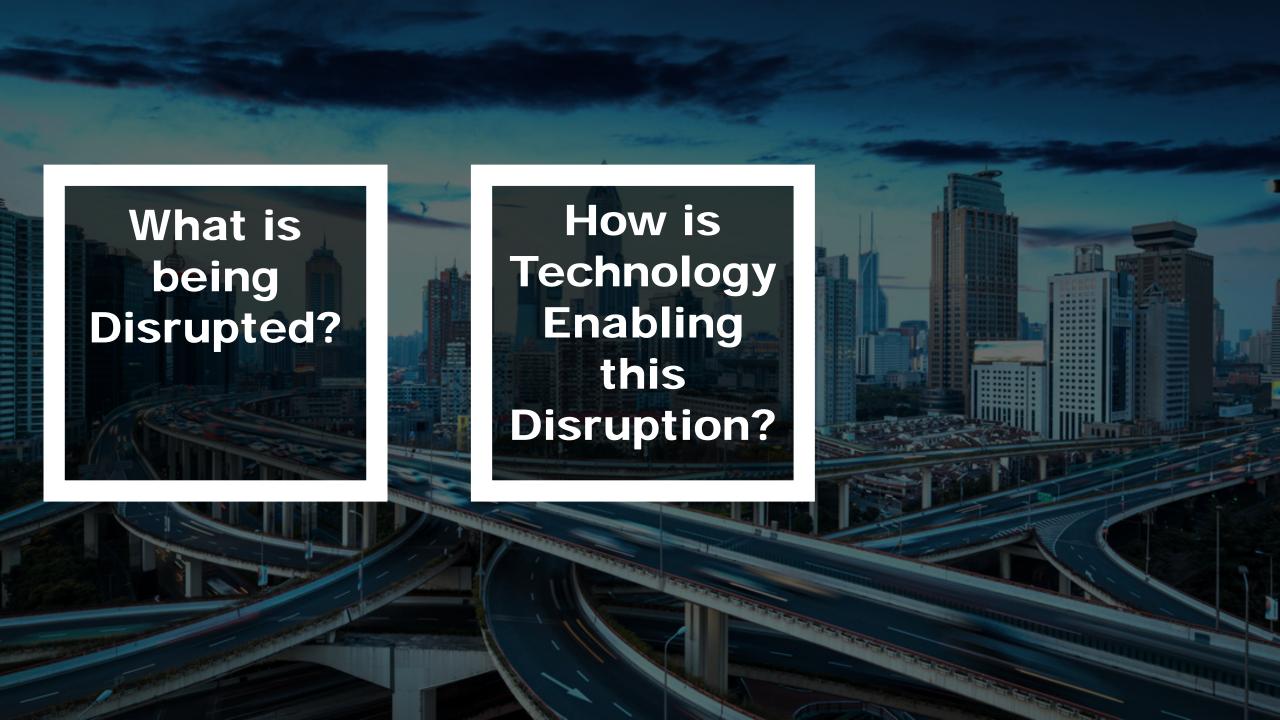




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TRANSPORTATION TRENDS



SHARED

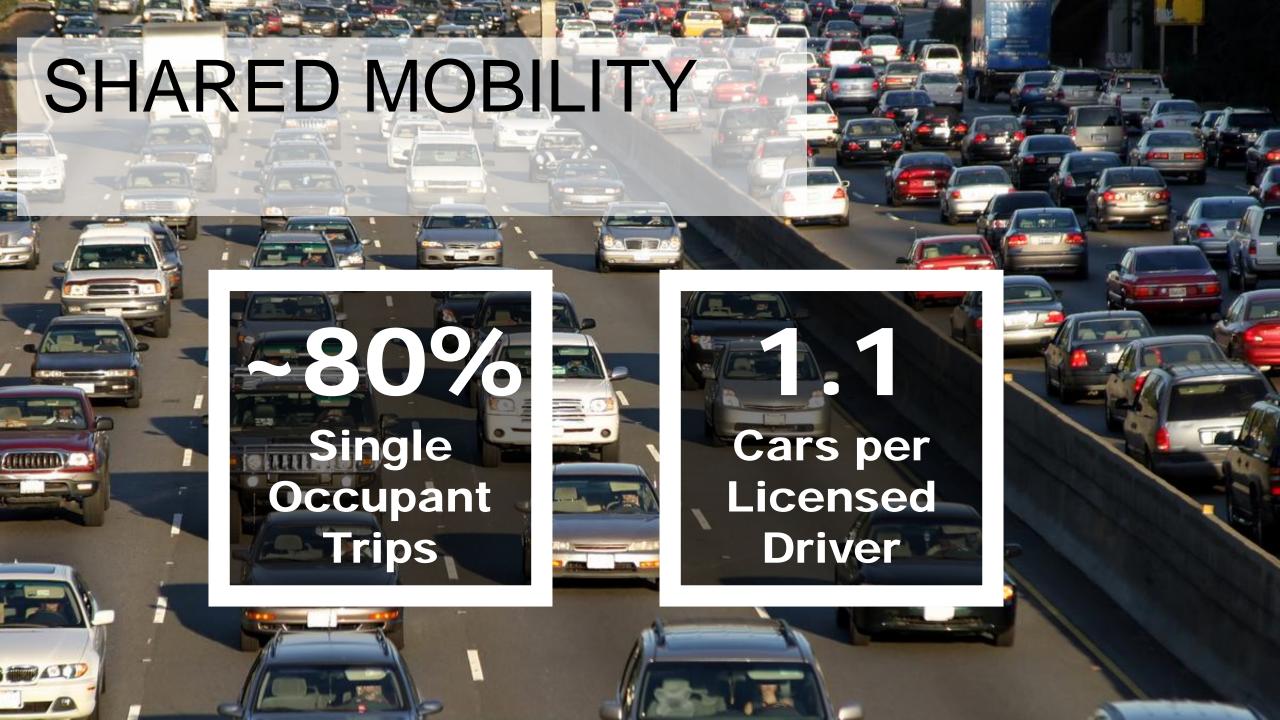


SUSTAINABLE



HIGH SPEED





SHARED MOBILITY

Mobility Based Apps



Ride Hailing, On-Demand
Transportation

Fip Planner

Transportation



Parking, Car Ownership





CONNECT STOPS

Connecting Routes

non St E	19, 66L
HOH SEE	17, 00L
Pine Ave N	67, Countryside/Oldsmar/ Tampa Connector
atricia Ave	61, 66L, 78, Dunedin/ Palm Harbor Connector
St Layby	4, 11, 52, 59, 97, 98
Park Transit Center	11, 34, 52, 74, 75, 97, 444
ole Blvd & Orange m Ln	18
St S & 18th Ave S	23
Dr & Missouri Ave N	18, 52, 98

OW TO RIDE



Choose a provider

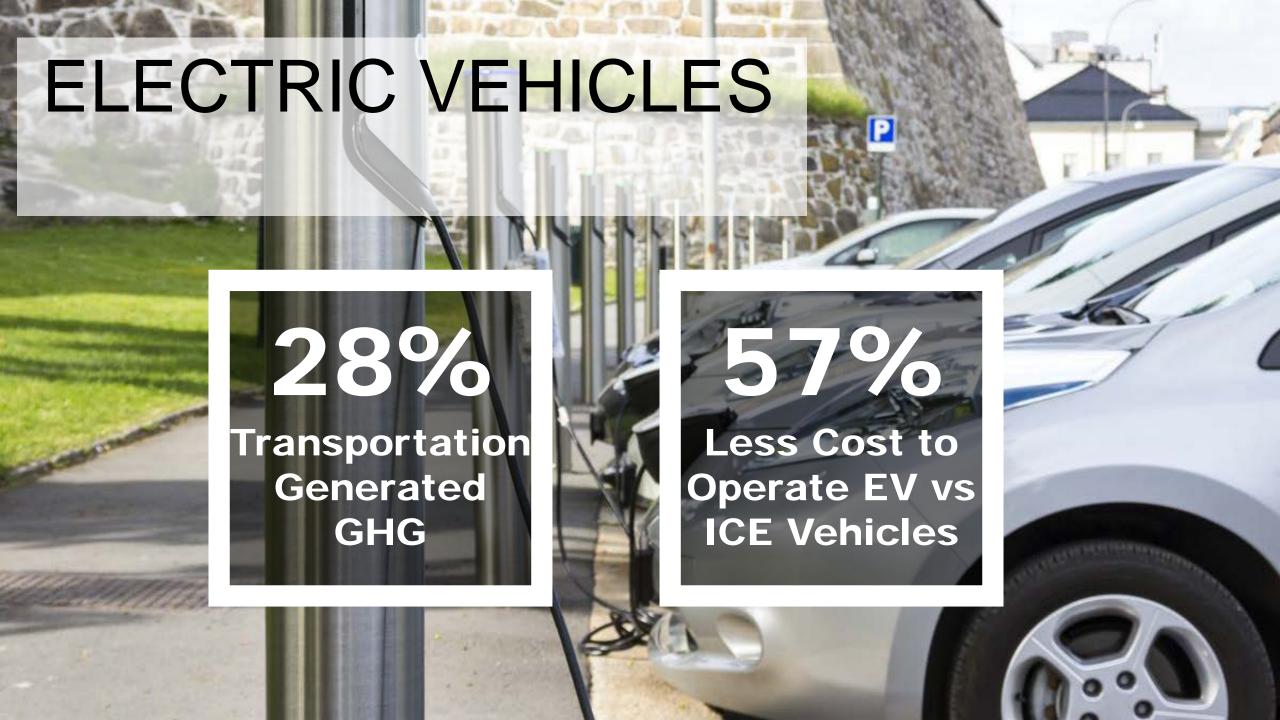


Hail a ride



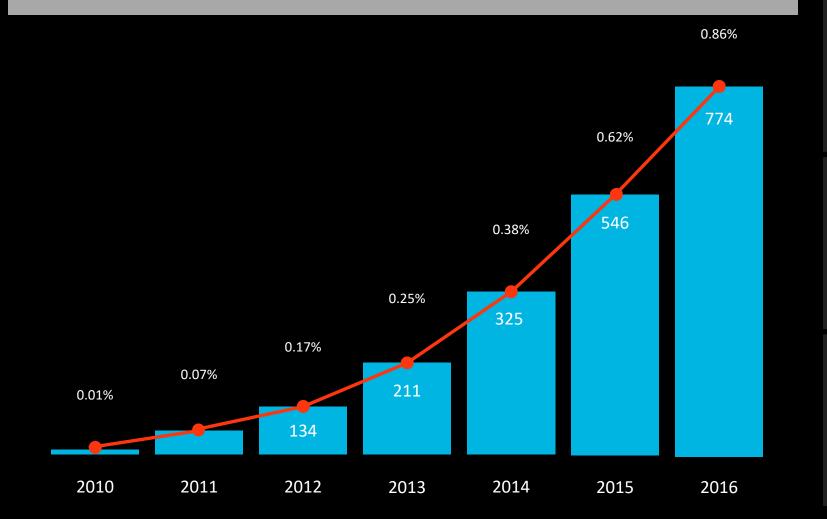
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Travel to/from a designated PSTA stop



ELECTRIC VEHICLES

Light Duty Vehicle Adoption



GLOBAL EV STATISTICS

2016 EV SALES

774K 42%

2016 GROWTH

EVs ON THE ROAD



2M

EVs ON THE ROAD BY 2017



EV OEMs



BATTERY COST REDUCTION



ELECTRIC VEHICLES

Buses



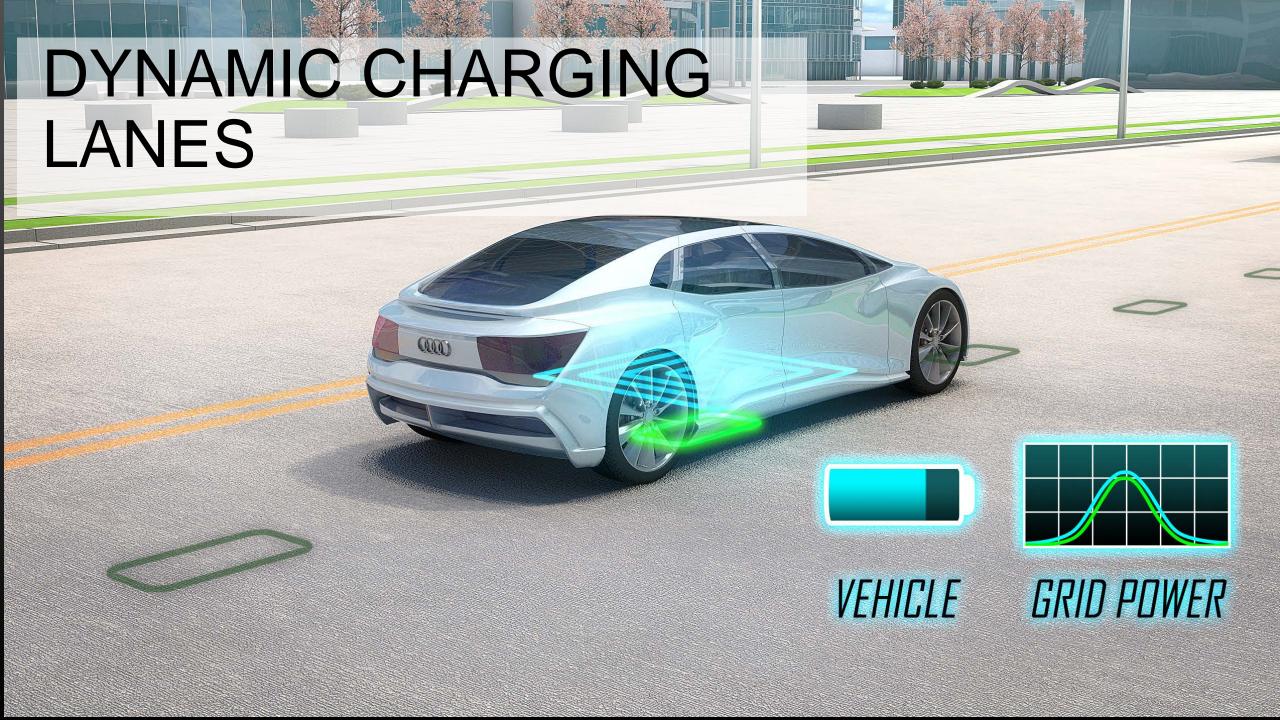
98% of world sales of electric buses were in China in 2016





- LA Metro pledge for Electric Fleet by 2030
 - Full cycle Zero-Emissions
- Antelope Valley Electric Bus Fleet by 2018
- \$15B Volkswagen Settlement
- CPUC Proposal for all California Transit Buses to be Electric by 2040

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Lower cost to electrify fleet vehicles

Better fleet efficiency with electric vehicles that don't need to stop to charge Cleaner vehicle fleets that are not reliant solely on fossil-based fuels





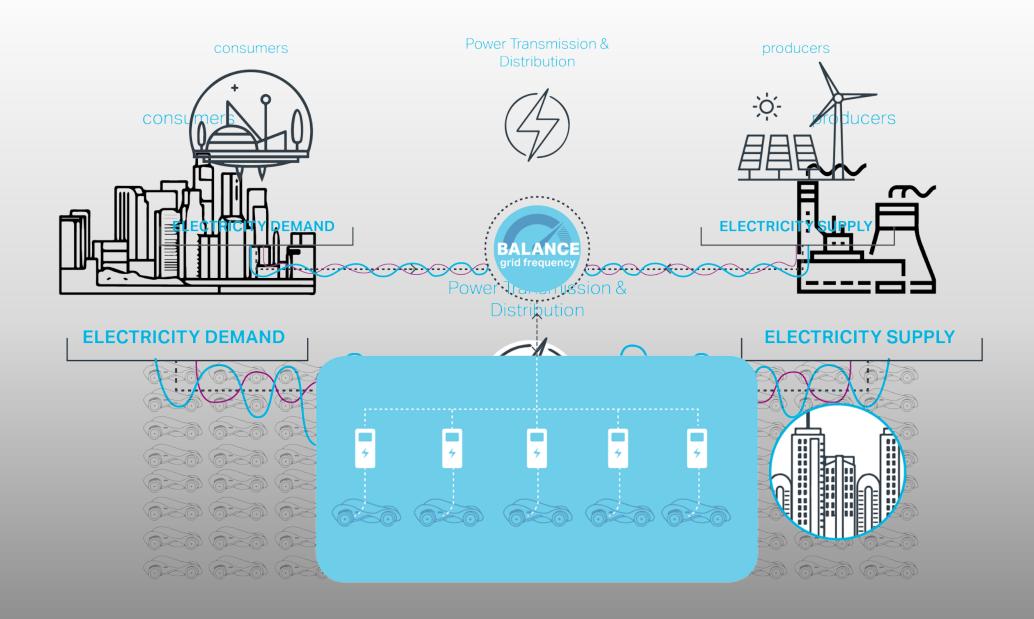






Reduce transportation operations costs

Minimal changes in operations, maintenance and required facilities





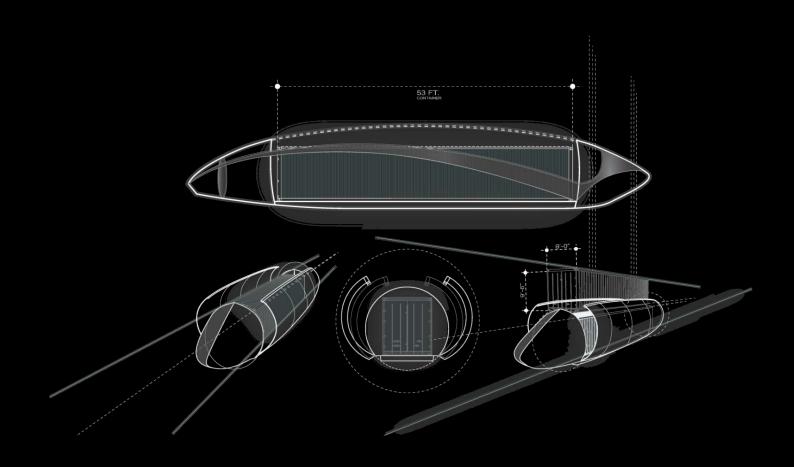
Hyperloop

KEY ASPECTS

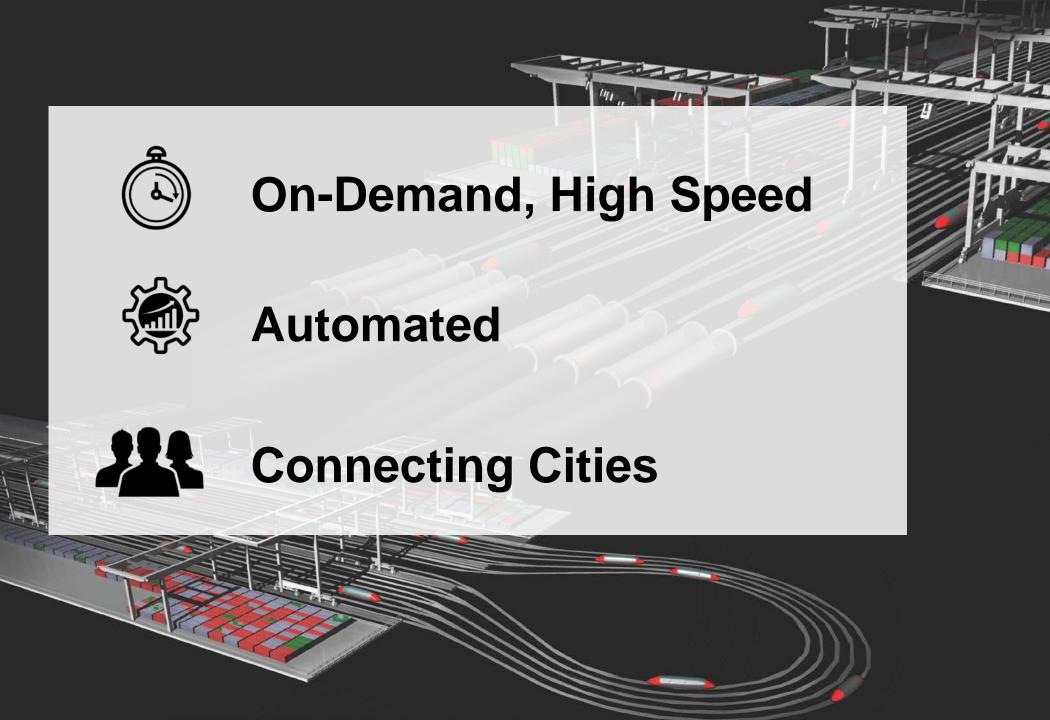
- Isolated environment
- Reduce pressured
- Levitation

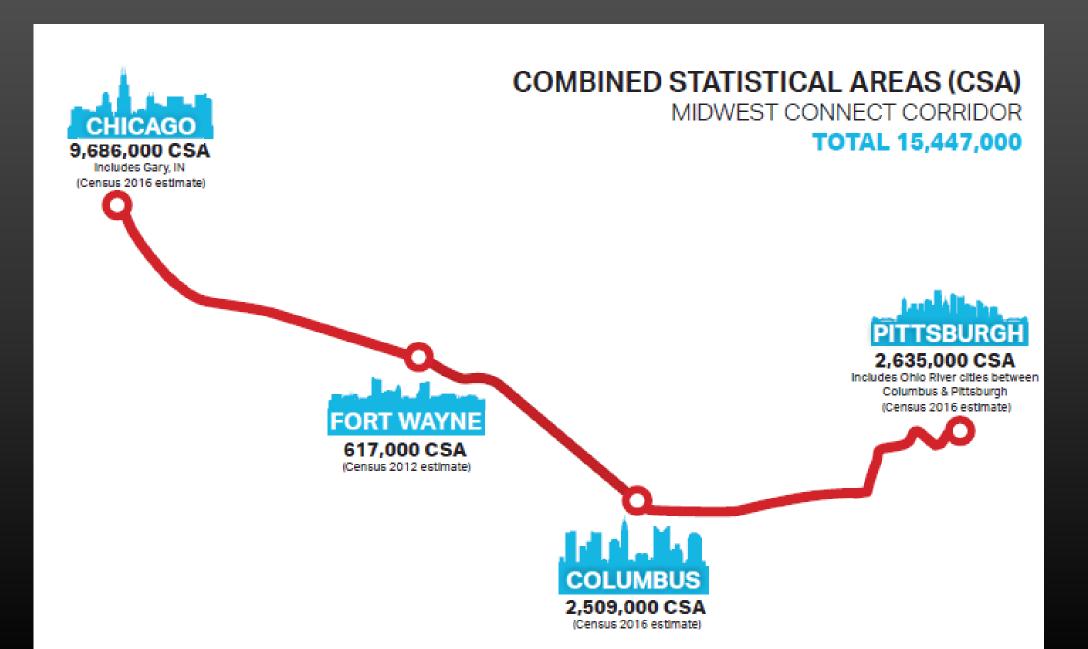
BENEFITS

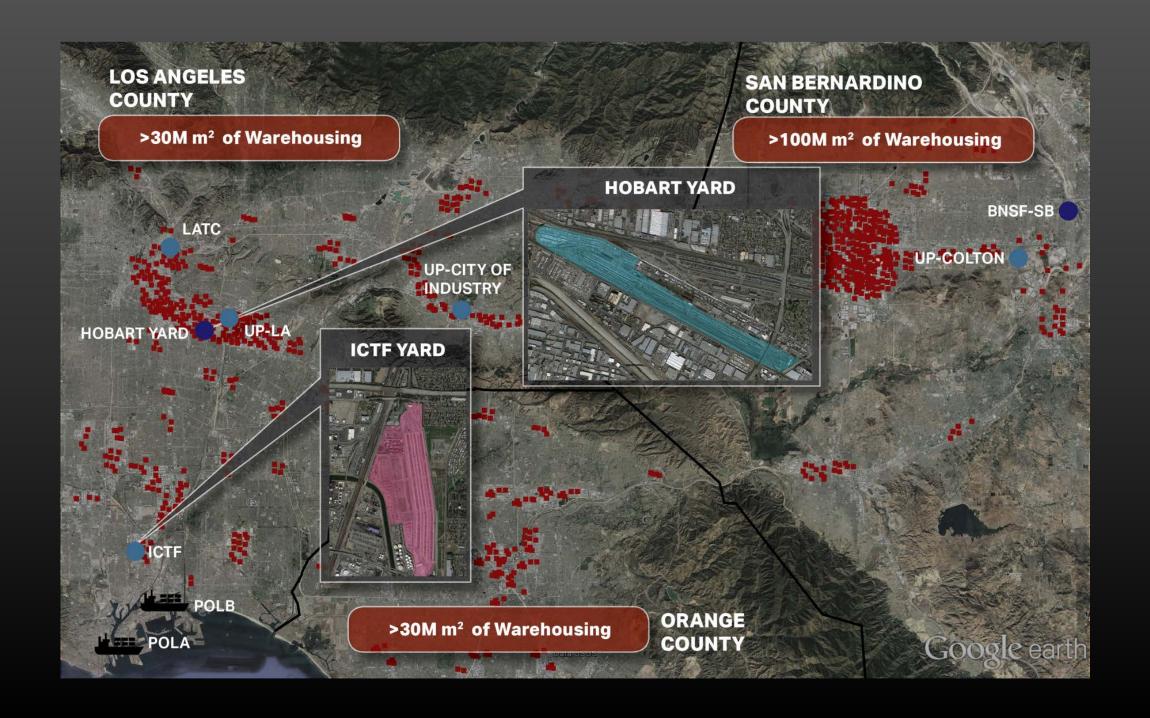
- High speeds, up t0 760mph
- Autonomous and separated
- Sustainable

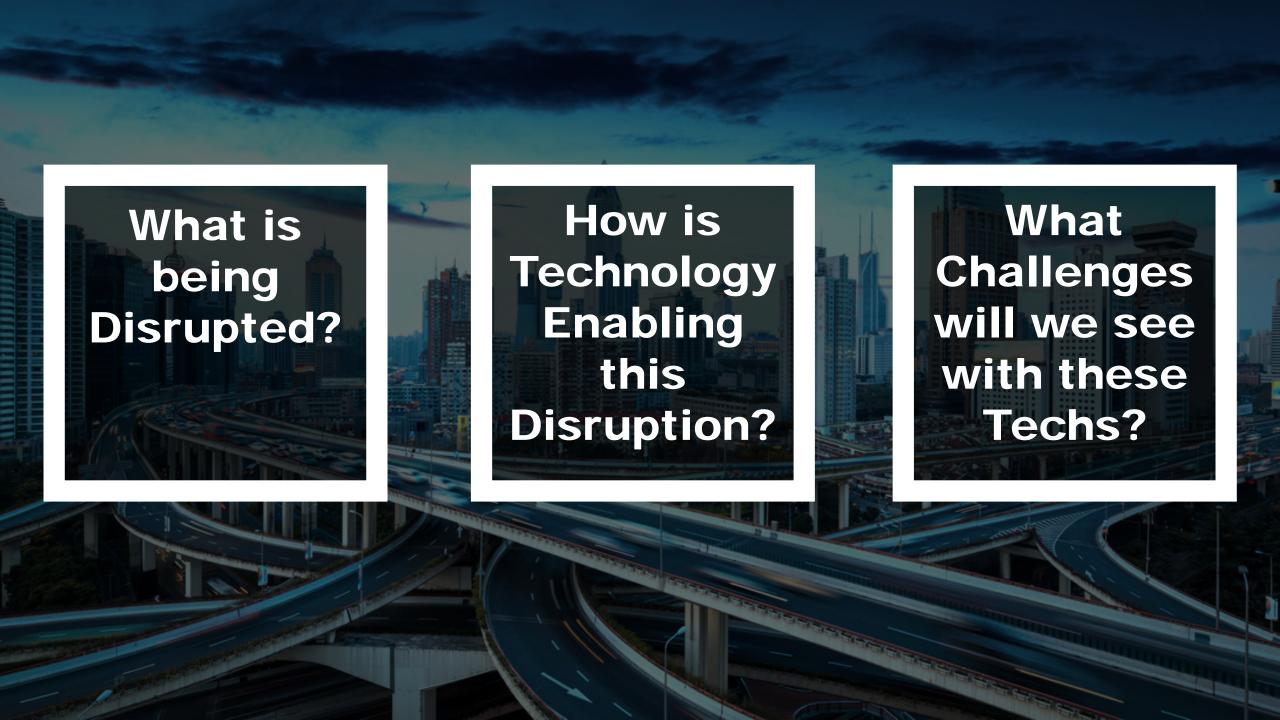












TECHNOLOGY CHALLENGES







TECHNOLOGY INTEGRATION

INTEROPERABILITY

Questions?

Andrew Bui, PE AECOM

Andrew.bui@aecom.com