2:26
1337084
Unlock
Lock
Time used
1 min
Due back in 33 mins
Schedule Return Time 03:00 PM - 25/02/19
Add more time
$0.42
Fare rate: $25.00/hour
ENVOY
PAY-PER-RIDE
CHARGING INCLUDED
INSURANCE & 24/7 SUPPORT
CLEANING & SERVICING

ENVOY

MOBILITY AS AN AMENITY

We’re the first company to provide community-based car sharing

COST-BENEFIT ANALYSIS FOR PROPERTIES

	Capex (startup cost)	Rent Premium (rent/month)
Pool	***$500K - $1M***	**+$9**
Gym	***$100K - $500K***	**+$11**
Mobility	**$0**	**+$13**

COST-BENEFIT ANALYSIS FOR PROPERTIES

	Capex (startup cost)	Rent Premium (rent/month)	Opex/ Revenue
Pool	***$500K - $1M***	**+$9**	**-$250**
Gym	***$100K - $500K***	**+$11**	**-$150**
Mobility	**$0**	**+$13**	**$500+**

MONTHLY REVENUE / VEHICLE

UTILIZATION OVER 15% (3.6 HOURS/DAY) RESULTS IN POSTIVE REVENUE FOR PROPERTY

OWNERS

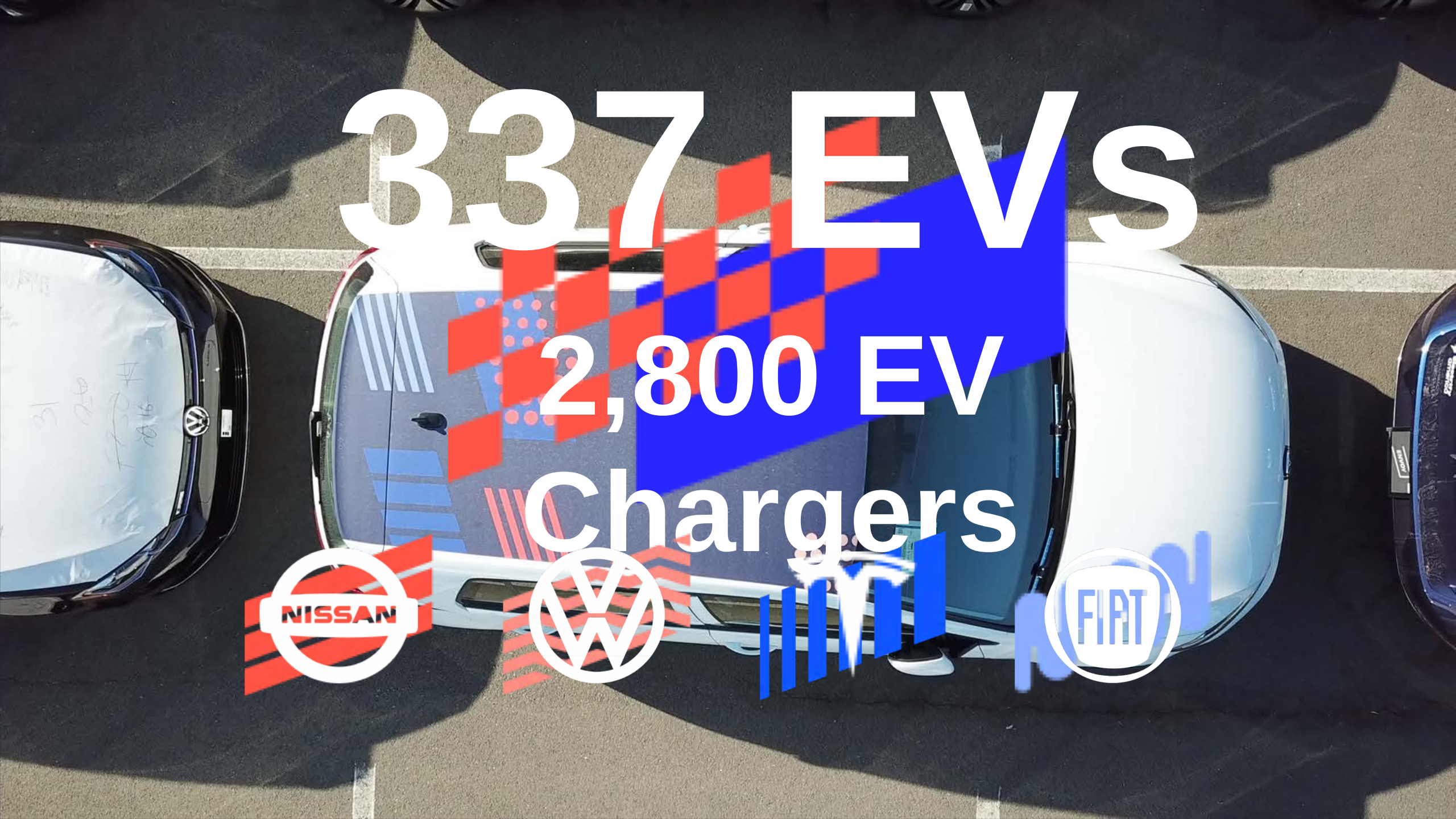
Commercial Real Estate

TURNKEY SET-UP
LOW-RISK ADOPTION
REDUCED PARKING
MEET GREEN CODES

USERS

Tenants

CONVENIENCE
AFFORDABILITY
COST OF LIVING
ECO-FRIENDLY


337 EVs
2,800 EV
Chargers
NISSAN
FIAT

263
PROPERTIES
APARTMENTS+OFFICES+HOTELS

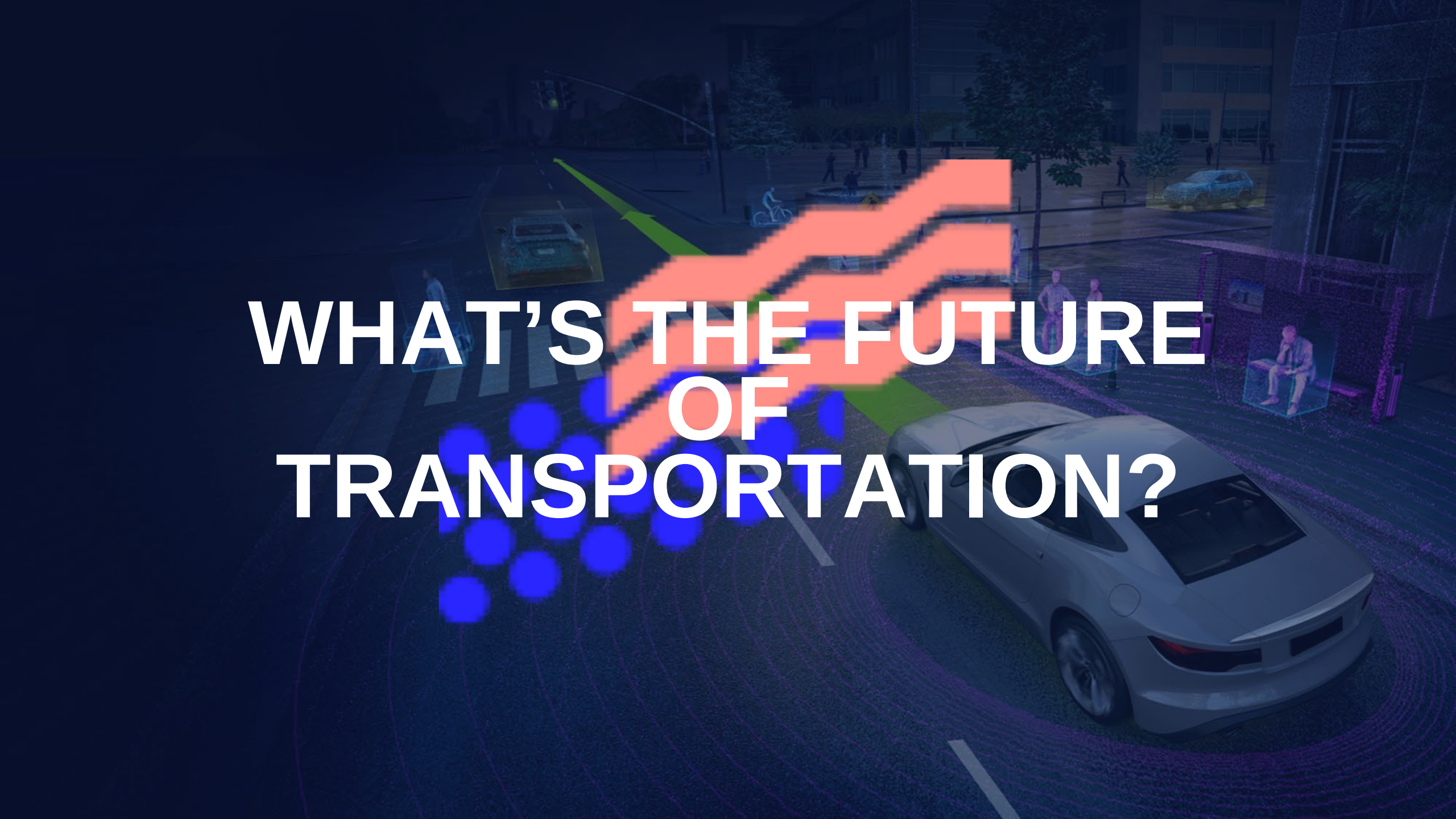
TOTAL ADDRESSABLE MARKET
(residential)

LIVE
WORK
STAY

10%

EXISTING ENVOY CLIENTS

ENVOY
LIVE
WORK
STAY
WORKPLACE
RESORT /
HOTEL
RETAIL
RESIDENTIAL


WHAT'S THE FUTURE
OF
TRANSPORTATION?

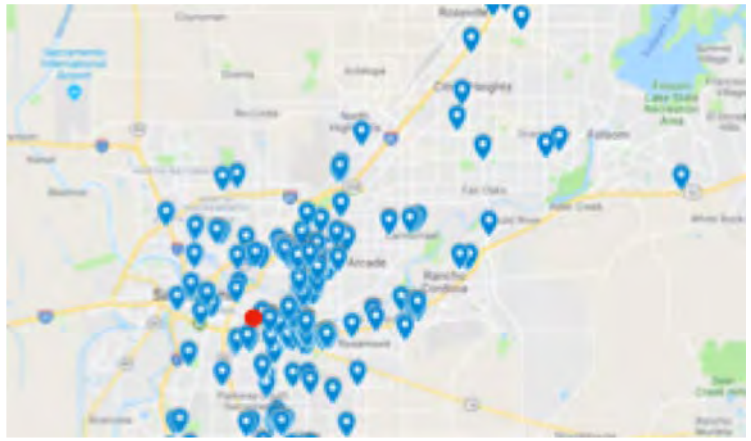
ENVOY

Vehicle Info

Vehicle Rates	Volkswagen e-Golf
Rate/Min	$0.15
Rate/Hour	$9.00
Daily Rate	$55

All Vehicles	10/18	11/18	12/18	1/18
Booking Count	76	108	233	300
Duration (Minutes)	4776	10004	17680	24841
Avg. Duration / Trip	62.8	92.6	75.9	82.8
Utilization %	11.1%	23.2%	40.9%	57.5%
Utilization % Per Vehicle	5.5%	11.6%	20.5%	28.8%

Map of Trip Destinations



Property Location Trip Destinations

Utilization / Revenue

All Vehicles	10/18	11/18	12/18	1/18
Booking Count	76	108	233	300
Avg. Booking /Car	38.0	54.0	116.5	150.0
Duration (Minutes)	4776	10004	17680	24841
Total Revenue	$716.40	$838.35	$1192.40	$2312.60
Avg. Revenue / Car	$358.20	$419.18	$596.20	$1156.30

The Crossings

# of Apartment	225	Apartment Units
Vehicle Count	2	Cars
Cost to Owner / Unit	$0.01	/unit/car
Revenue split	50%	

envoythere.com

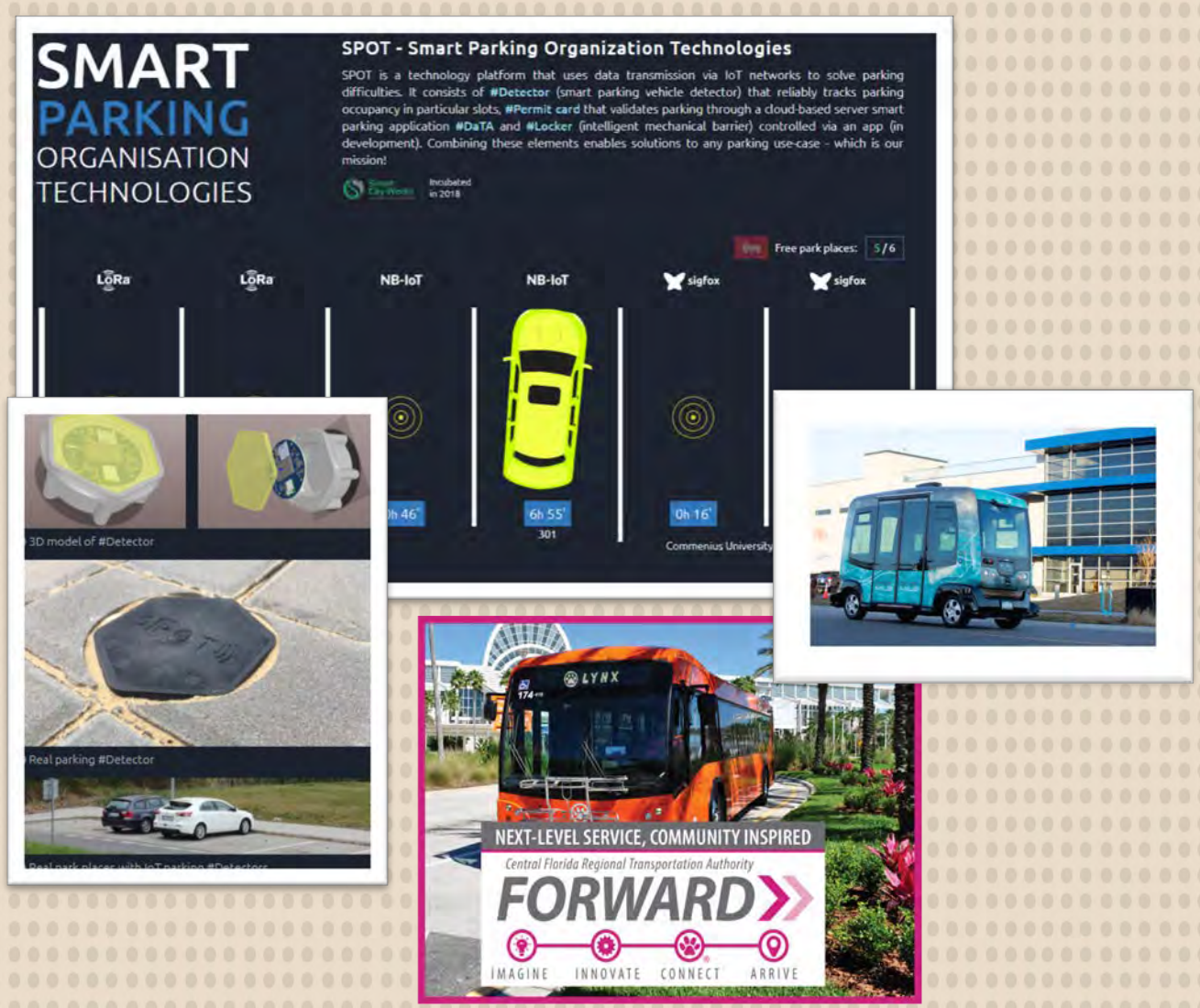
CASE STUDY: PARKSIDE PLACE

The mixed-use project includes 1,682,876 ft^2 in four phases: office/commercial, 250-room hotel, 312-bed assisted living facility, 5,012 apartment units (752 units for student housing and 184 units for independent living).

Eliminated 9000 parking spaces

5-0 vote for approval

CASE STUDY: PARKSIDE PLACE



Technology 3 Ways

Mobility Technology

(space-light options, MaaS)

Parking Technology

(monitoring to meet permits, ability to rent excess space)

Partnerships

(developer as new mobility catalyst)

CASE STUDY: PARKSIDE PLACE

NOW

TECHNOLOGY
Payment apps
Navigation, sensors & apps
Smart parking meters
Carshare

PARKING
Designated carshare parking
Guide drivers to spots
Payment-by-app

PLANNING
TDM
Valets
Dynamic pricing
Parklets, Streateries, Corrals

TRENDING

TECHNOLOGY
Autonomous Parking
Shared Use Mobility
Microtransit
Electric charging

PARKING
Pickup/Drop off zones
(passengers & deliveries)
Smart garages

PLANNING
Queuing
On-street space reallocation
Parking districts
Flexible garage design
Ubiquitous charging stations

EMERGING

TECHNOLOGY
Autonomous Shuttles
(1st- fixed route,
then demand-response)
Mobility-as-a- Service (MaaS)

PARKING
Off-site parking
Shared, automated, district parking

PLANNING
Shuttle route planning
Transition (driver/driverless)
Coordination with transit
Repurposed garage spaces

FUTURE?

TECHNOLOGY
Individual cars - % of fleet?
Owned or shared? Publicly or privately operated?

PARKING
What are the best parking locations to balance demand-response with lower congestion & VMT?

PLANNING
How should parking be priced?
How should cities retool parking revenue?

WGI

WHAT'S TRENDING: GARAGE TECH

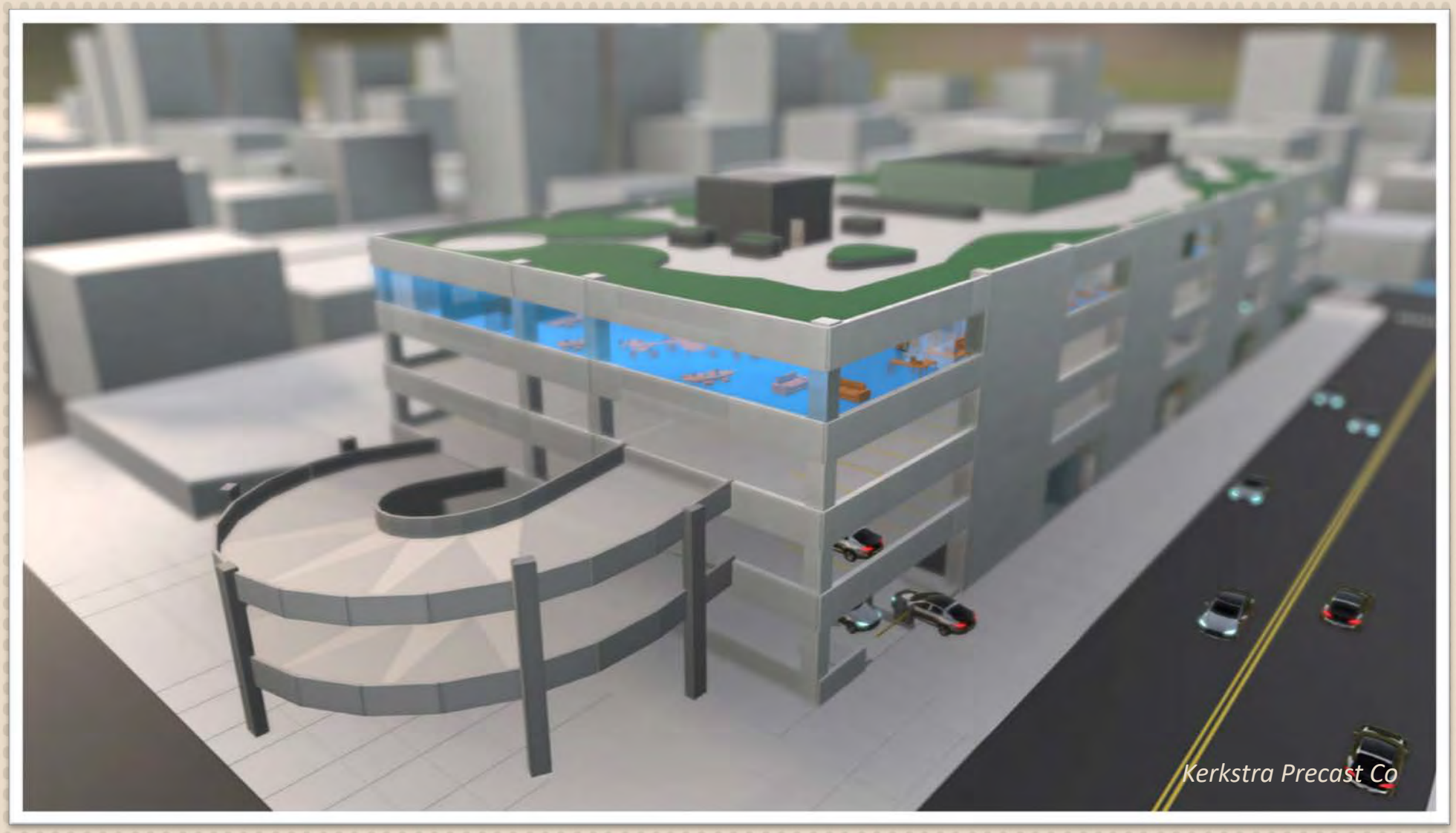
FLEXPARK * DESIGN

- Convert grade level to commercial space
- Vehicle pick up and drop off
- Shared vehicle staging, charging and service
- Convert parking to warehousing, office, residential or other uses
- Green roof conversion
- Partial demo for other use

**Flexpark is ™*

FLEXPARK DESIGN

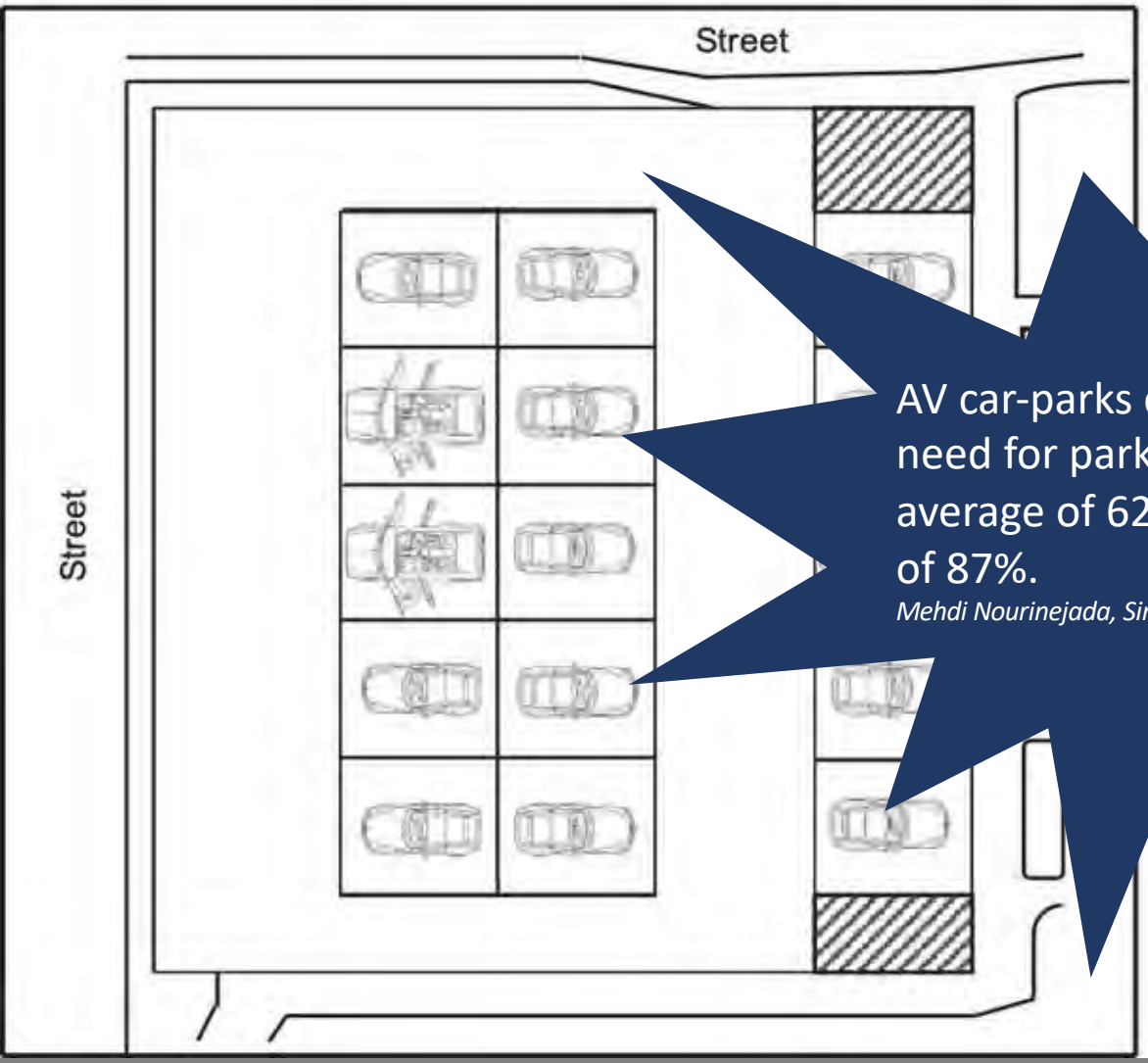
FLEXPARK DESIGN



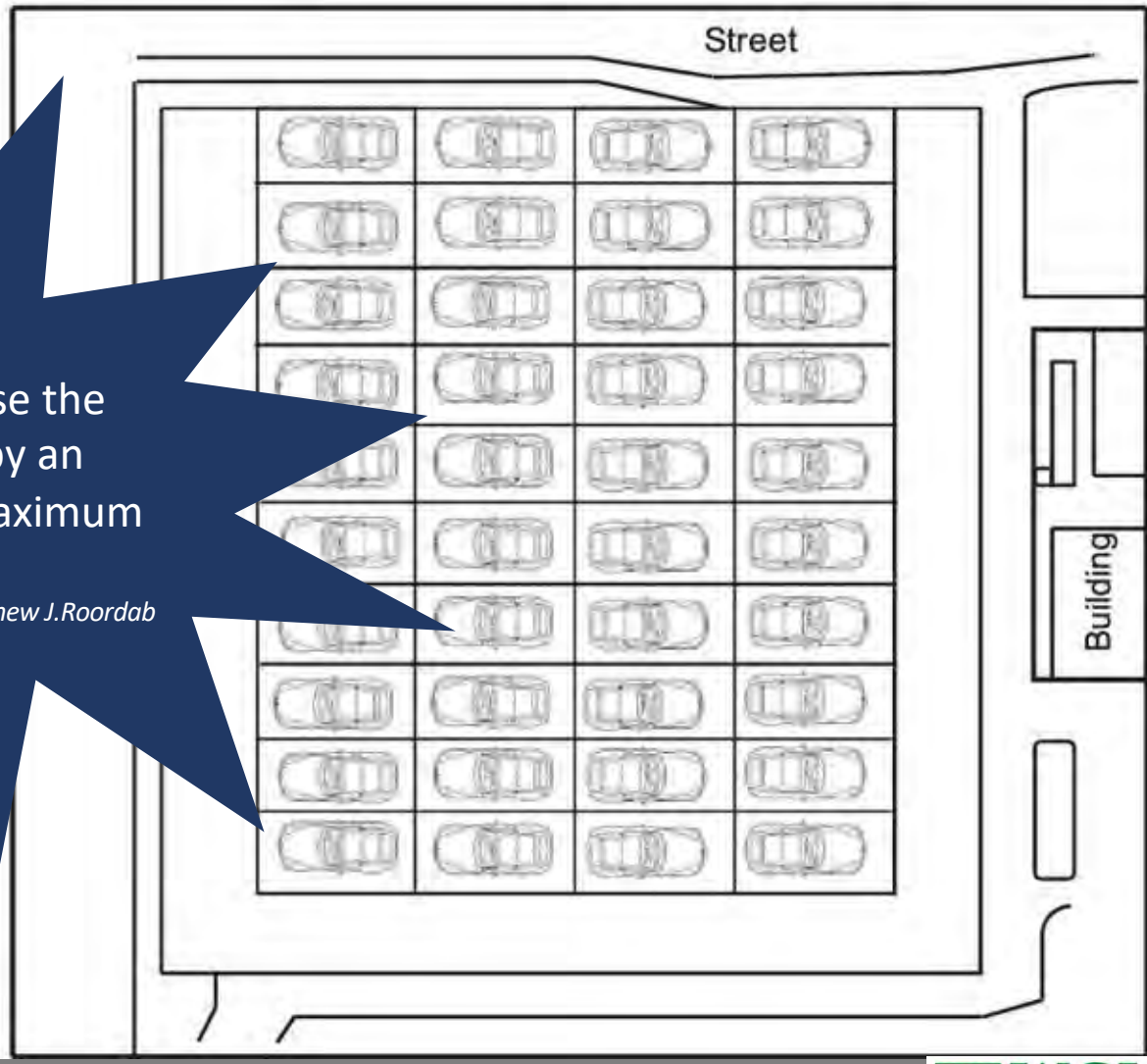
FLEXPARK DESIGN

WHAT'S NEXT: GARAGE LAYOUT

Conventional car-parks



Autonomous vehicle car-parks



AV car-parks can decrease the need for parking space by an average of 62% and a maximum of 87%.

Mehdi Nourinejada, Sina Bahramib, Matthew J.Roordab

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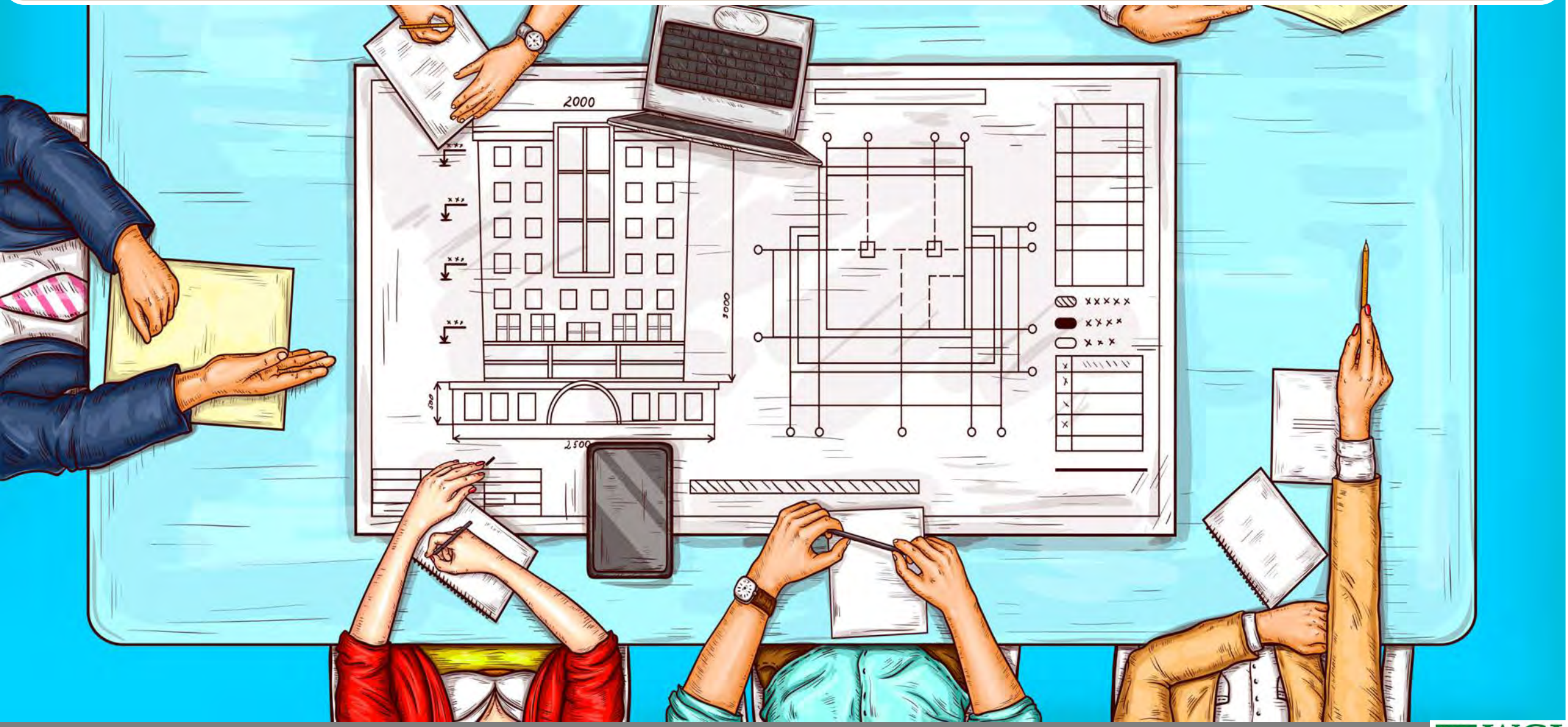
WHAT'S NEXT: GRAB & GO MOBILITY

WHAT'S NEXT: ZERO* PARKING FOR TOD



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REAL TIME, RIGHT-SIZE PARKING CALCULATOR

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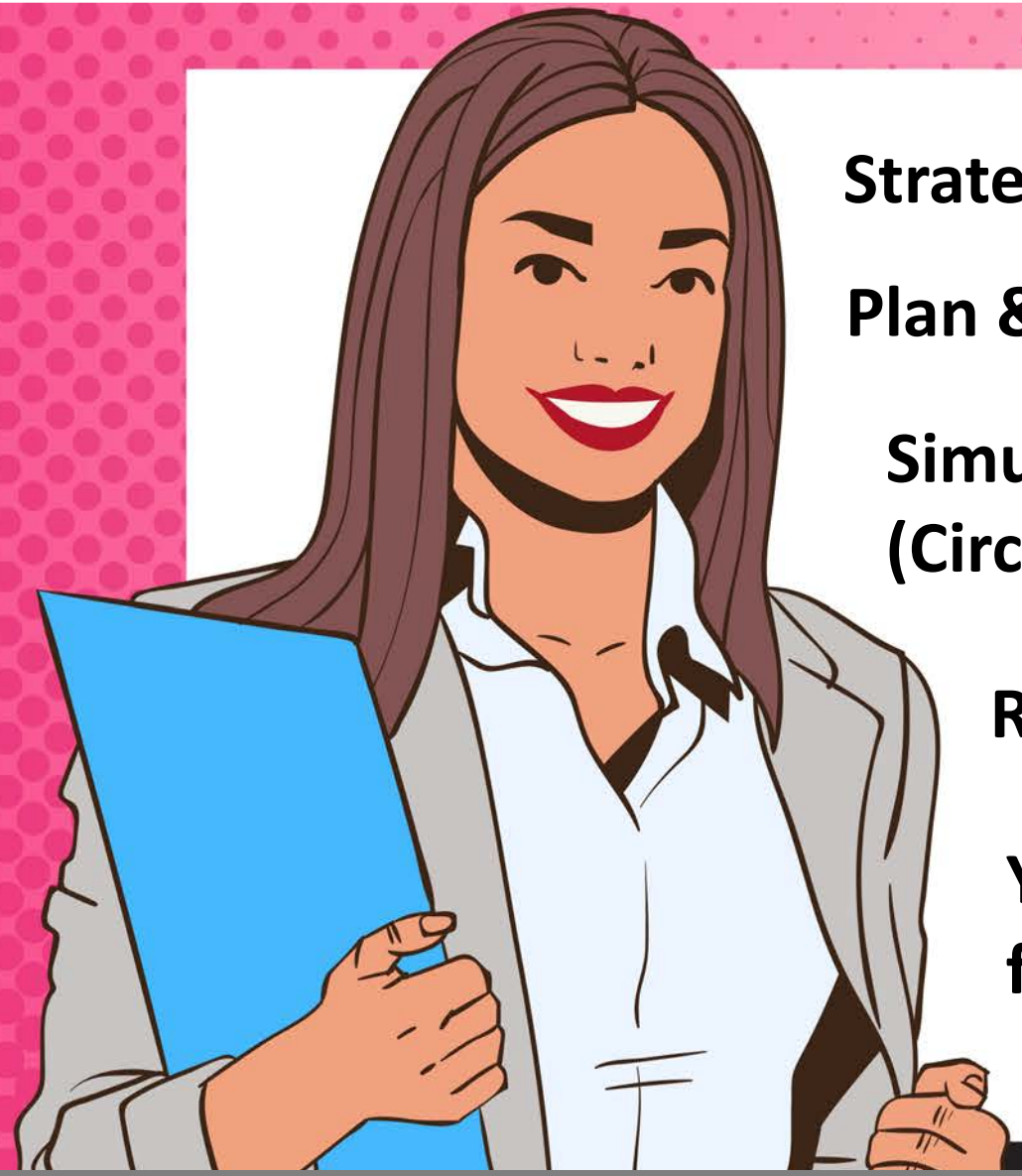
RESEARCH



Strategic “bundles” of Tech + TDM?

Plan & code audits + re-write?

Simulations & predictive analytics?
(Circulation – Looking at you!)

Redundancy (Cyber? Outages?)

Your idea here cause it’s time for Q&A !!

WGI

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