

PITTSBURGH SMART LOADING ZONES

INSIGHTS & EARLY FINDINGS

in partnership with



DOMI



**Pittsburgh
PARKING
Authority**

Automotus

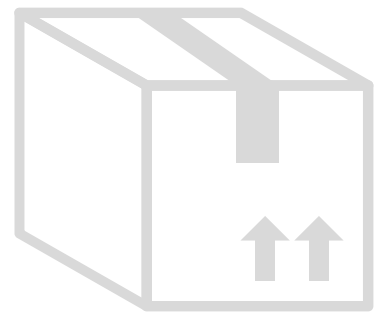


anil merchant

head of product, automotus

the challenge

existing systems can no longer support commercial vehicle activity



+43%

e-commerce
growth in 2020



+101%

YoY growth for
food delivery in 2020



+36%

delivery vehicles in
major cities by 2030



-10%

passenger vehicles in
major cities by 2030

the (automated) solution

Automotus' automated curbside management solutions enable:



automated
curb
payments



automated
curb
enforcement



comprehensive
insights +
data sharing

reduce double-parking
& associated tickets

-60%

reduce congestion &
emissions

-10%

increase parking
revenue

+340%

increase curbside
turnover

+25%

timeline

2021 *Planning*

- Pittsburgh receives \$100K Commercial Curb Challenge grant
- Project scoping & location selection
- USDOE awards \$4M curb management grant



2022 **Phase 1**

Launch of automated payments solution (April 25)

2023 **Phase 2**

SLZ expansion + implementation of Zero Emissions Delivery Zones

PHASE 1 SLZ Basics

➤ Only registered vehicles permitted
Non-registered vehicles receive bill by mail

➤ Dynamic rate structure

pay by the minute:

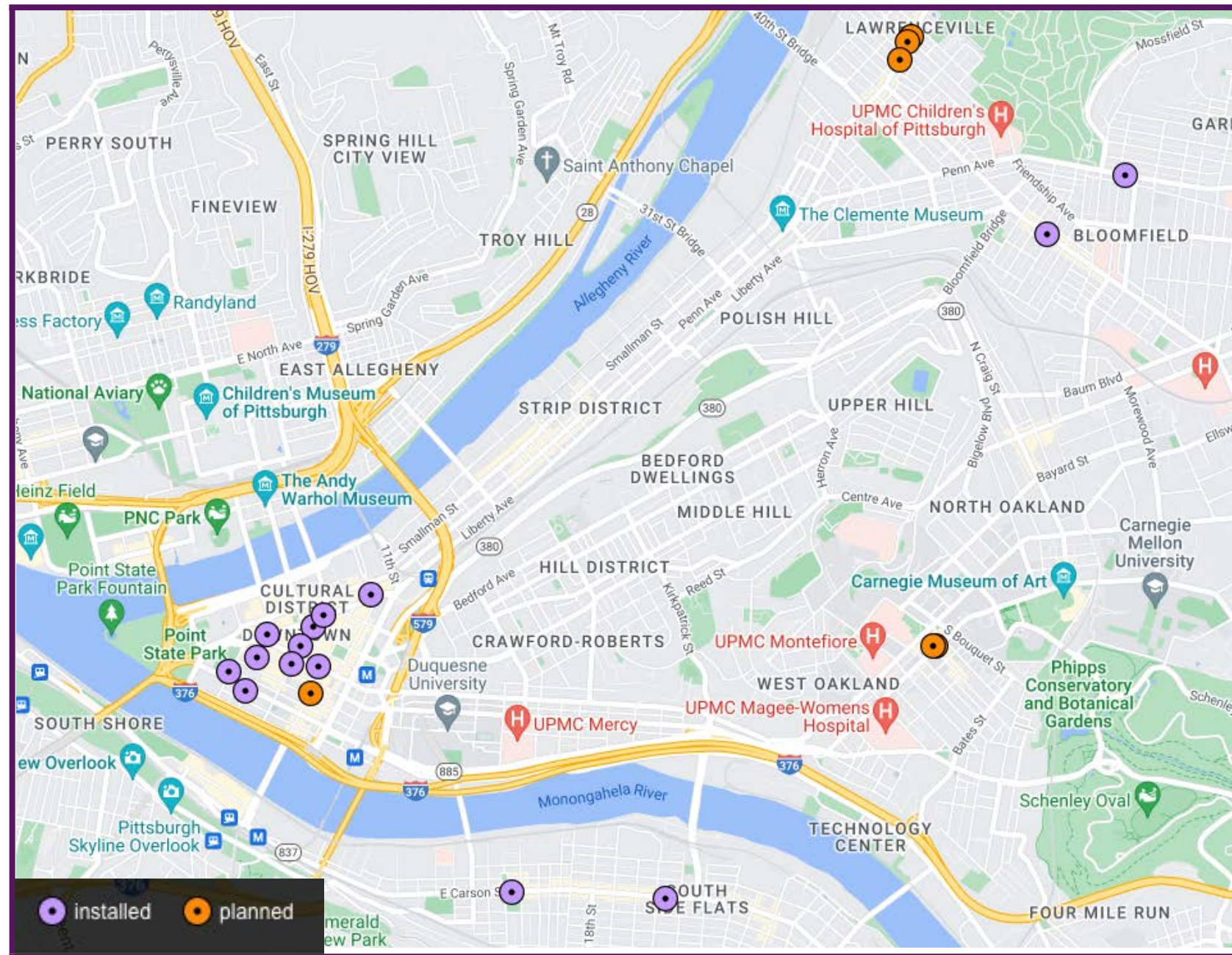
- 0-5min = \$0.07/min
- 5-15min = \$0.14/min
- 15-30min = \$0.20/min
- 30-60min = \$0.27/min

one-hour limit to incentivize turnover



All zones marked with purple signage,
registration info & curbside paint

PHASE 1 SLZ Deployment



SPRING
2022

20 Smart Loading Zones

(Bloomfield, Lawrenceville, Oakland, South Side Flats, Downtown)

- automate payments & enforcement
- collect real-time activity data
- engage drivers, fleets & local businesses for feedback
- identify additional locations for Phase 2

PHASE 1 Account Registration

For Individuals

The screenshot shows two overlapping registration forms for individuals. The top form is the 'Profile Information' step, which includes fields for First Name, Last Name, Email, and Company. It also has a checkbox for 'I have read and agree to the Terms of Service' and another for 'Email me with parking tips, discounts and other promotions'. The bottom form is the 'Digital Wallet setup' step, which includes a 'Digital Wallet Balance (\$100 max)' field, 'Card' and 'Bank' selection buttons, and a card number field with MM/YY and CVC sub-fields. It also features 'G Pay' and 'Apple Pay' buttons and a 'Confirm' button at the bottom.

one-time
registration unlocks
access to all SLZs

For Fleets

register your fleet
connect with our team to learn more and get
your fleet registered within minutes.

The screenshot shows the 'For Fleets' registration form. It includes fields for First Name, Last Name, Email, Organization, Department, Size of Fleet (with a dropdown arrow), and Areas of Operation (with a dropdown arrow). A 'Submit' button is located at the bottom right of the form.

PHASE 1 Early Findings

8-WEEK REPORT
APRIL 25 - JUNE 17

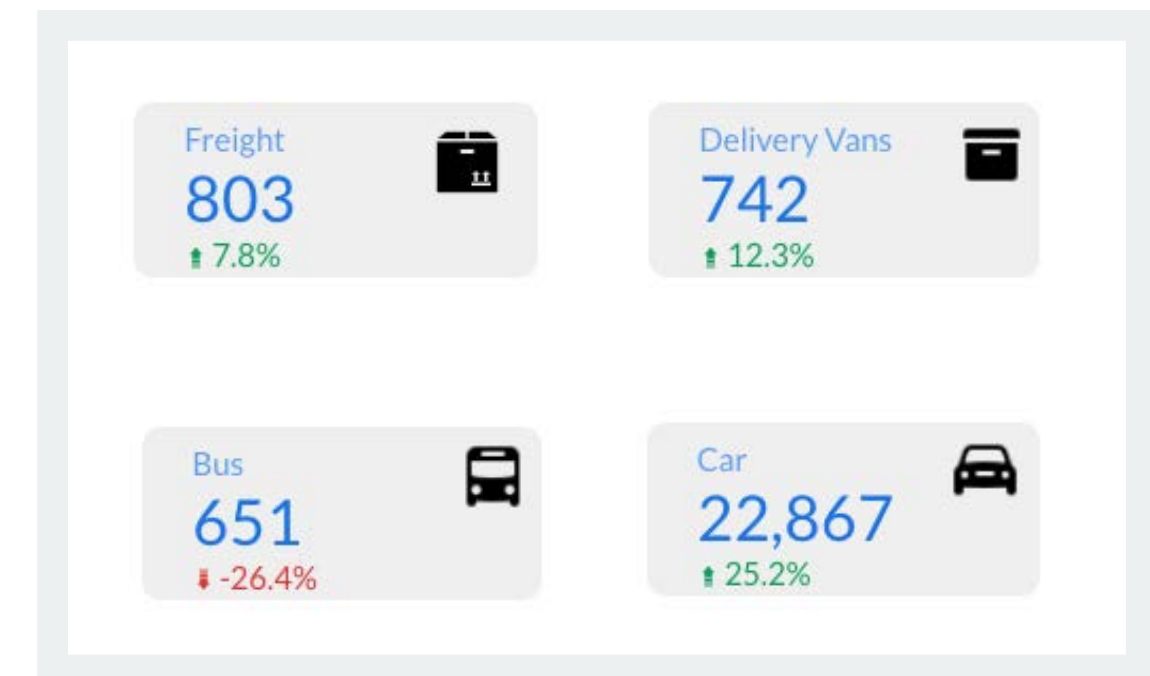
Park Data

		total % change
Total Parks	25,063	21.9% ↑
Avg. Park Duration	00:27:10	-12.9% ↓
Longest Avg. Park by Zone	00:58:55 (1 PNC Plaza)	

Double Park Data

Total Double Parks	11,999	-2.0% ↓
Avg. Double Park Duration	00:00:50	3.9% ↑
Most Double Parks by Zone	682 (535 Liberty Ave)	

Park Events by Mode



PHASE 2 Expansion + USDOE Support

2023 Scale to ~100 Smart Loading Zones

- Leverage \$4M USDOE curb management grant
- Prioritize emissions reduction in underserved communities
- Drive significant citywide reduction in double parking, safety hazards and congestion



Automotus

Q&A

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think outside the spot