HOT SPOT

Visualizing Parking Data
from Smart Columbus OS

Meter Maids Team
Smart City Hackathon | May 20, 2018

USER

Columbus Parking Services

- Staff of 5 inspectors.

- Focused on daily parking enforcement operational work.

PROBLEM

In its current form, the data is difficult to analyze and draw insights and trends from that can be used to address Columbus' growing demand for street parking.

- Data lives in Excel sheets

- No geo- or time-specific data.

- Disparate data sets.

- Division resources are focused on daily parking enforcement and operational work, with little time for data analysis.

SOLUTION

A Dashboard that makes parking data from Smart Columbus OS easy to visualize and helps Columbus Parking Services make effective changes to address Columbus' parking issues.

- Visualized data.

- Aggregate of datasets from different data sources.

- Geo- and time-specific data.

- User-friendly tools for working with the data.

BENEFITS

This solution allows Columbus Parking Services to better serve the citizens of Columbus.

- Locating in-demand parking areas at peak hours and co-located with points of interest.

- Mitigating violations.

- Managing infrastructure to meet current parking demands and plan for future needs.

- Adjusting meter hours to align with parking demand.

FUTURE STATE

Make the solution more abstracted and extensible for future enhancements.

- Dynamic ingestion from SCOS

- 3 Tiers [data, business (API) and presentation layers]

- Open source and collaborate with community (GitHub)

QUESTIONS?