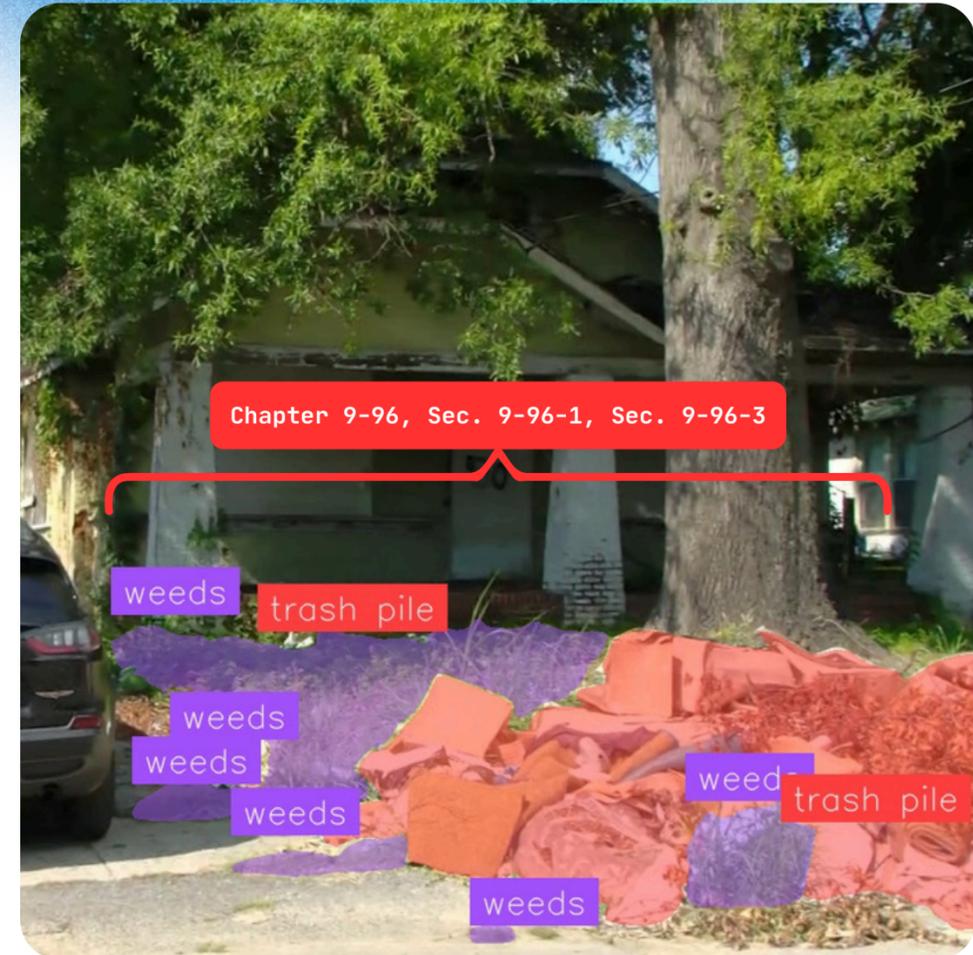


Automating Blight Reports With

TigerEye

Presented by

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Date

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Inefficient Blight Response Costs Memphis Time and Money



Memphis faces hundreds of new blight cases every month, but inspections, reporting, and cleanup decisions are still largely manual.

Operational efficiency is the limiting factor, not lack of effort.

A 3-Step Automated Process

AI-Assisted Blight Reports



CV models automatically analyze the images without the need of the user to manually enter descriptions.

Fewer Wasted Trips.

Blight Triage



An algorithm automatically prioritizes reports based on severity, so inspectors focus on what matters most.

Faster Cleanups.

Blight Prediction Modeling



Uses historical data to forecast where blight is likely to occur next

Problems Prevented.



Efficiency

Home

Home

Home

Report on the state of the world

There is a growing concern about the state of the world and the need to take action to address the challenges we face. This report provides a comprehensive overview of the current state of the world and offers recommendations for how we can move forward.

London



Home



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But...

What if we went a step further?



Memphis Public Works has over 500 dashcams across their fleet of vehicles.

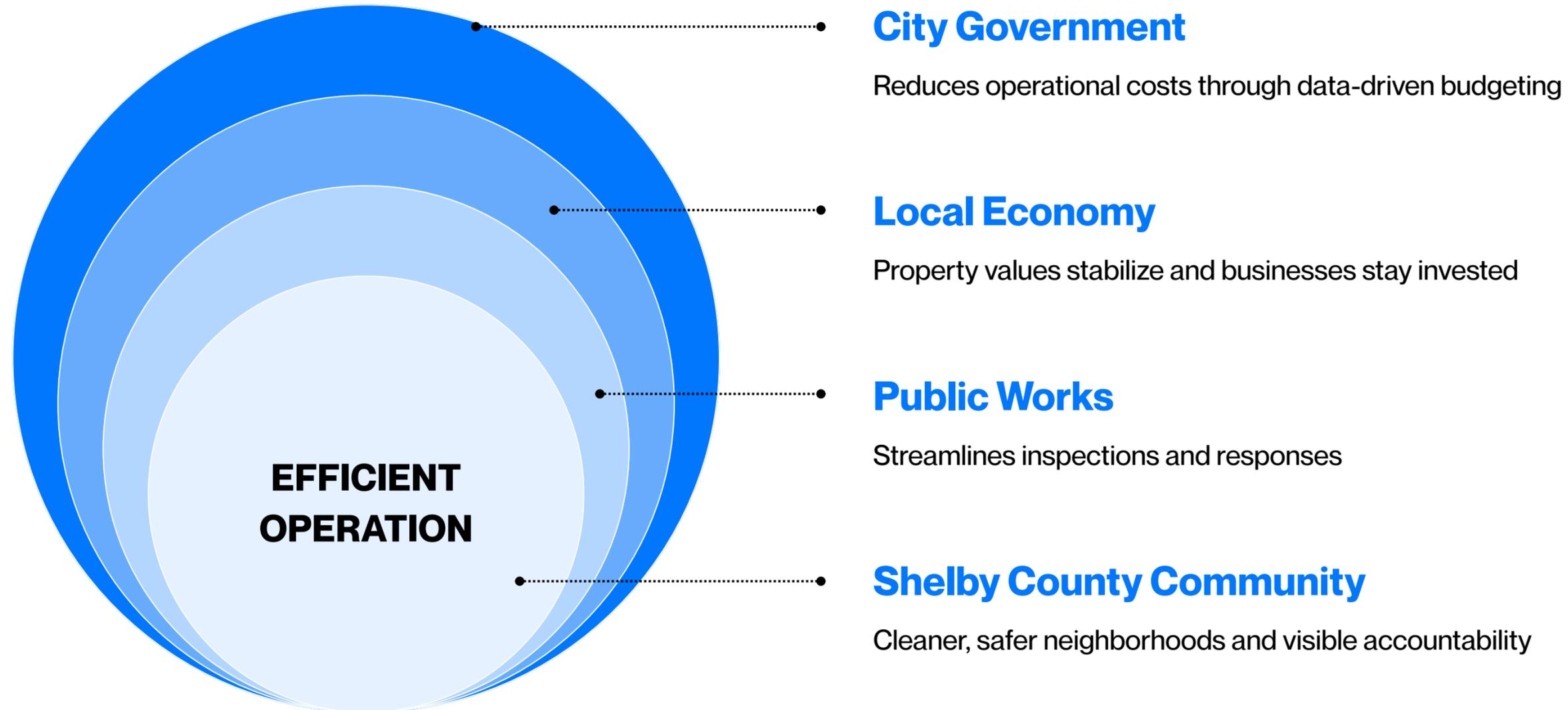


The physical infrastructure (cameras) already exists, so the obvious next step would be to implement these computer vision models to automatically file reports when blight is detected.

Furthermore, Public Works launched a program Q4 of last year where they implemented AI models to detect potholes, high grass, and sewage issues, so the proposed implementation aligns strongly with their initiatives.



All-Around Benefits





Tech Stack

Computer Vision

Grounding DINO - Meta
Segment Anything Model - Meta
YOLOv11 - Ultralytics
Florence2 - Microsoft
SmoIVLM

Data Analysis

NumPy
Pandas
PyTorch
Scikit-learn

Vibe Coding

Cursor
Claude