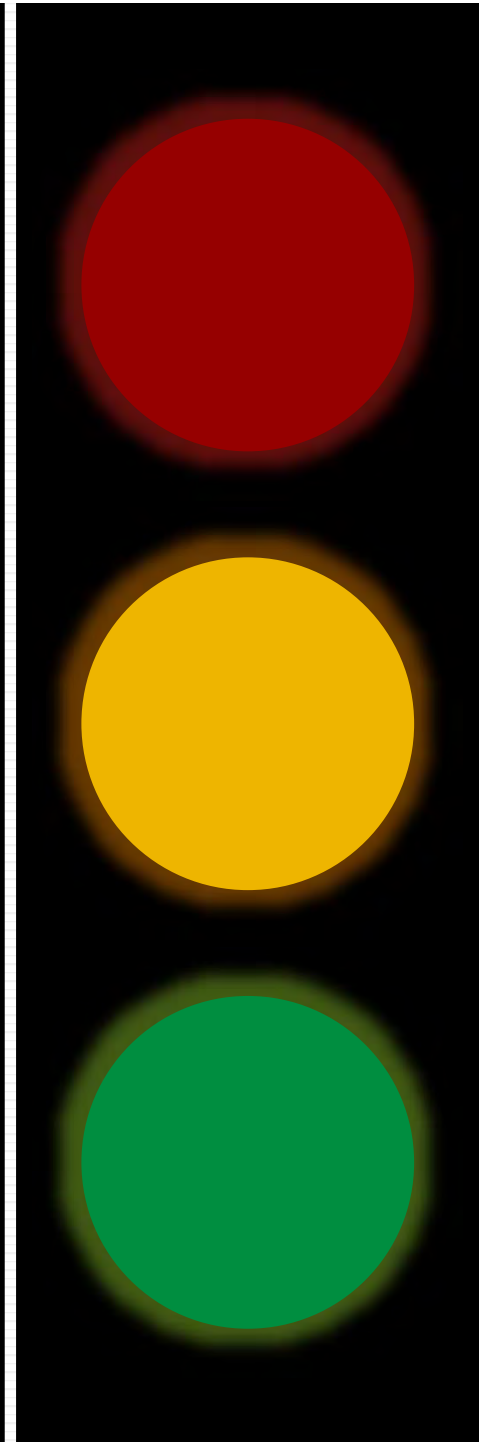
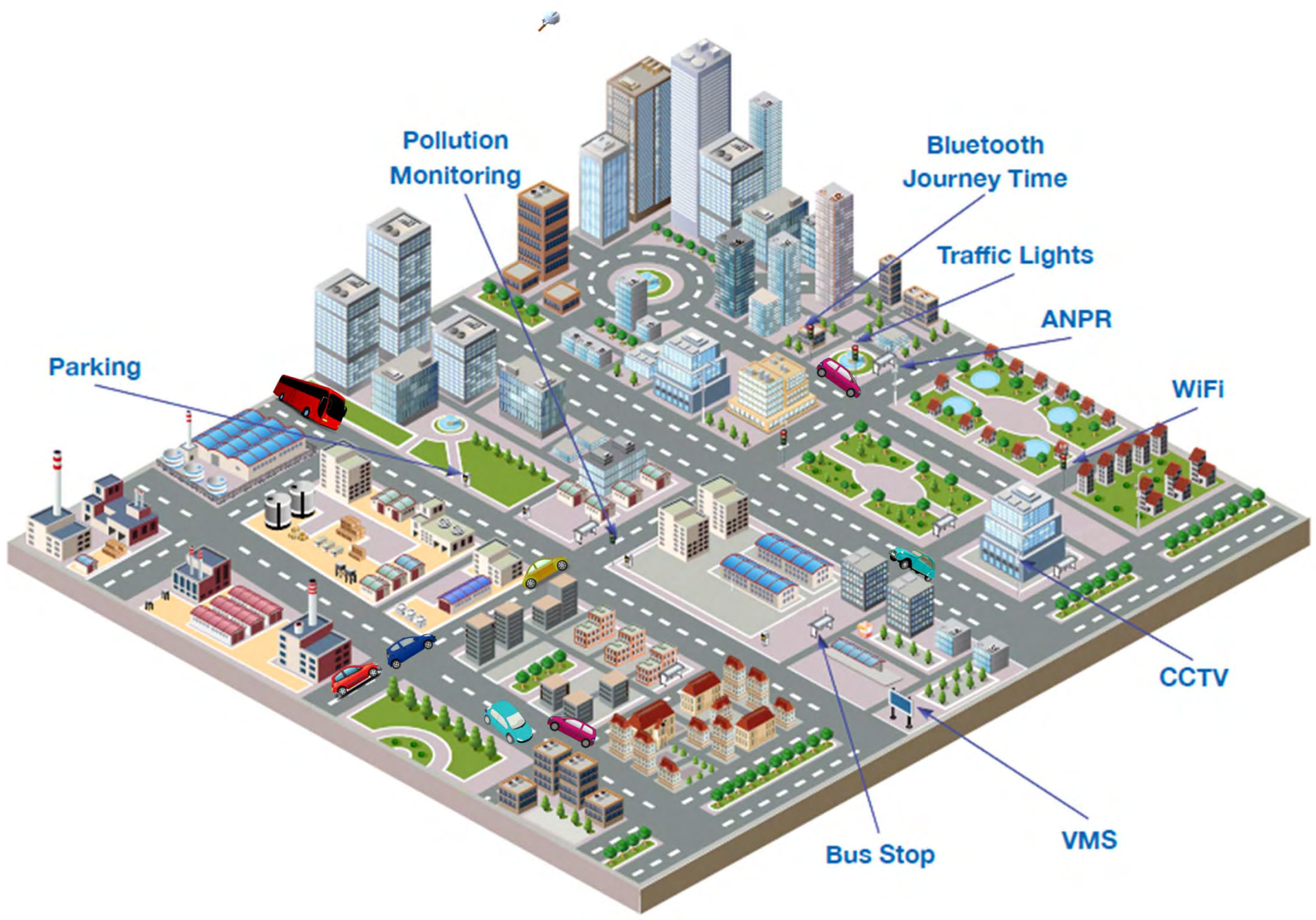


**Technology Enhanced Innovative
Traffic Management for a
Sustainable Road Network**

Rachel Nixon





Pollution Monitoring

Bluetooth Journey Time

Traffic Lights

ANPR

WiFi

CCTV

VMS

Bus Stop

Parking

Aim

To identify areas of development in wireless traffic management systems that take into consideration future advances in the way we use our roads and enable this technology to generate sustainable transport infrastructure.

Objectives

1. Properties
2. Future Road Use
3. Potential Problems
4. Solutions



Literature Review & Interview

Advantages

- Ease of Installation
- Health & Safety
- Sustainability
- Centralised Maintenance



Problems

- Implementation
- Availability of Technology and Infrastructure
- Accuracy of GPS Systems
- External Factors
- Security

Government Policy Strategy



- Improve Infrastructure
- Safer Roads
- Access
- Innovation
- Reduce Pollution

Traffic Management

Wireless Traffic Lights

- One Circuit
- Low Cost
- Fast Speed
- Integrated City

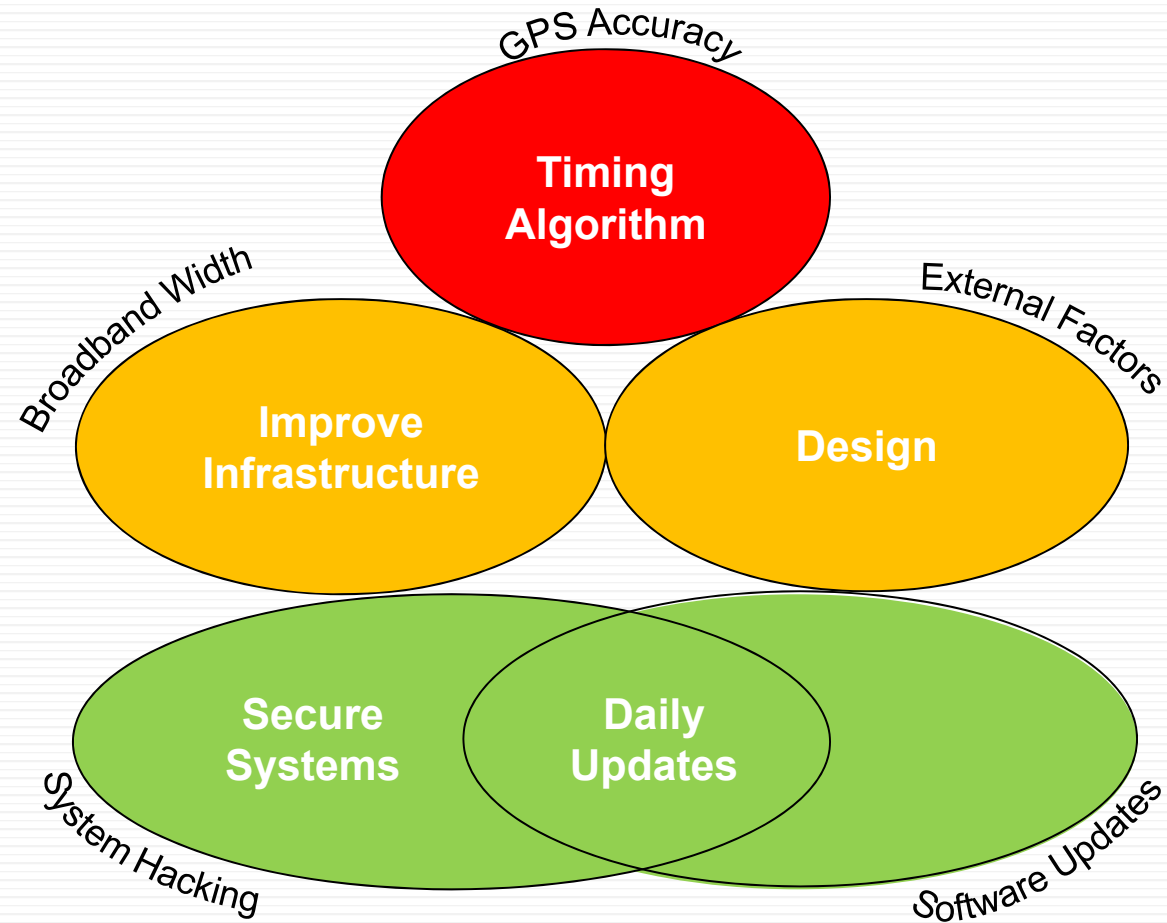


Road Changes

- Autonomous Vehicles
- Cyclists
- Demand
- Construction Materials
- Drones



Recommendation Strategy



Summary

- Why Wireless?
- Advancements
- Public Perception
- Impact on Industry



Approach to
Problems

Questions? You got the green light!

Thank you for listening.

