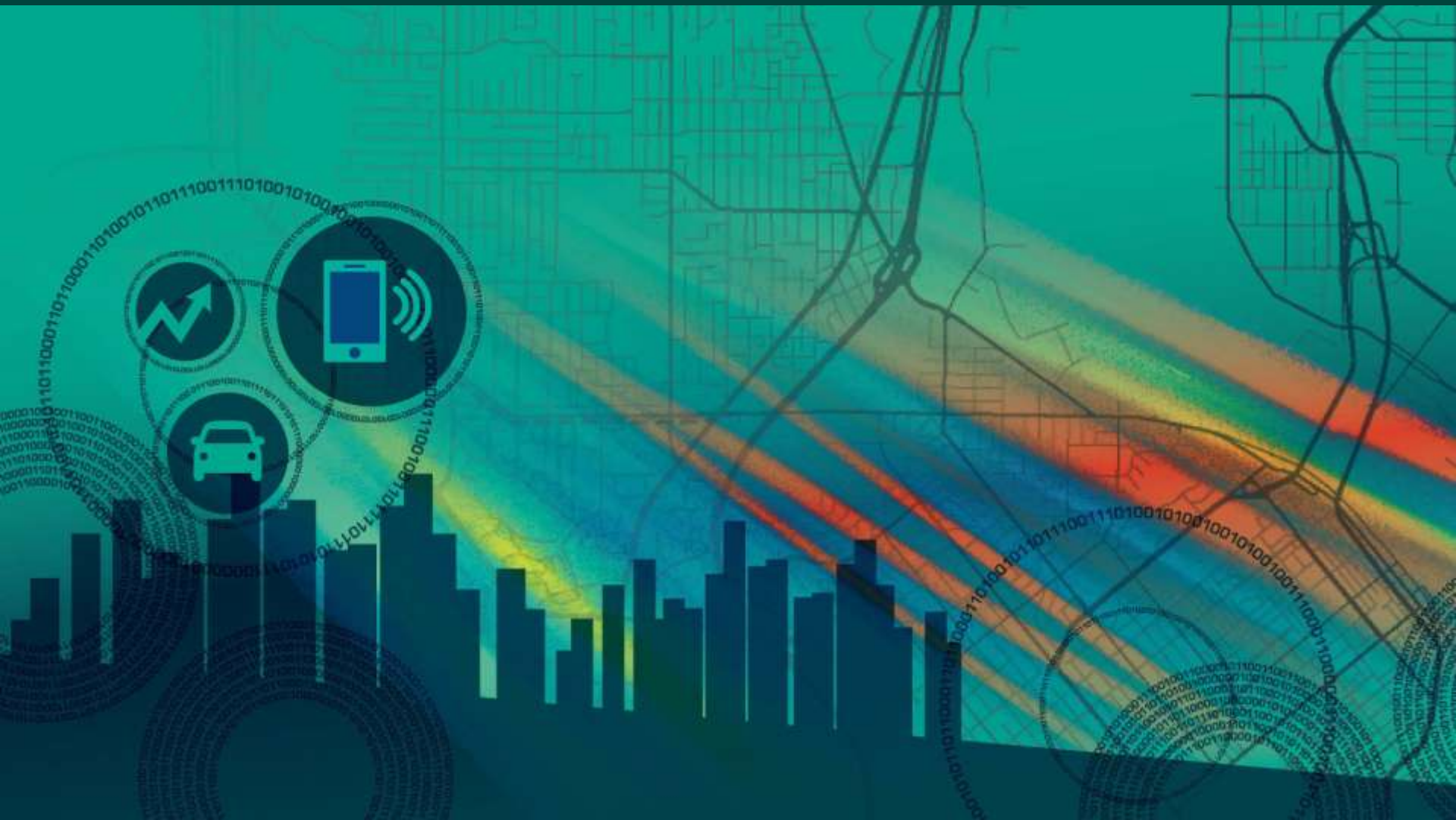
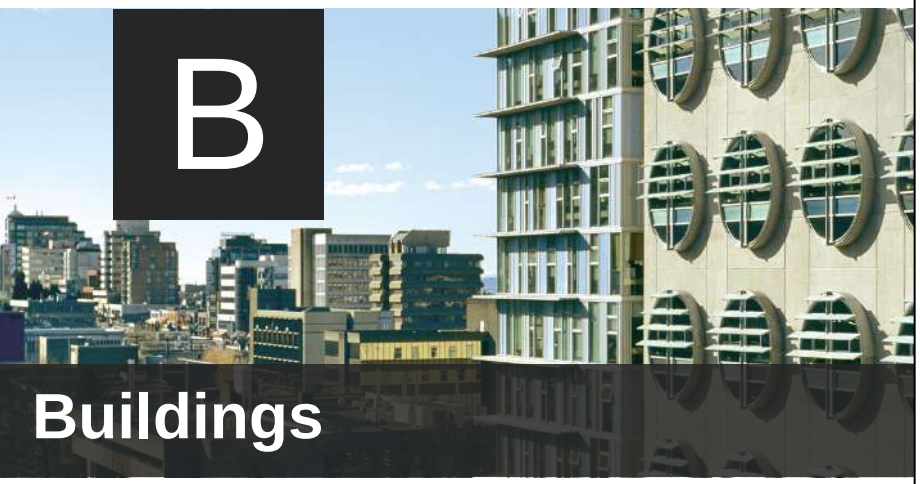
ITS Canada Workshop
City of Calgary
May 9, 2017

Future Transportation Management Centres





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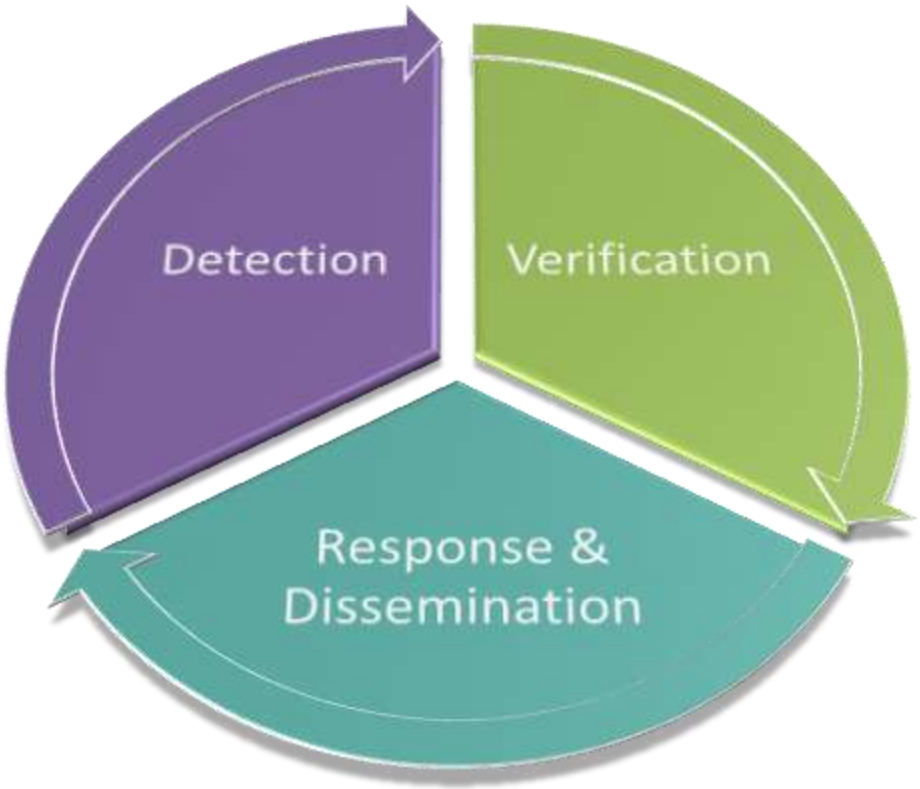
Future TMCs Agenda

- Current State
- Smart Cities
- Event Management

Current State of Transportation Management Centres

Event Management Workflow



Current State of Transportation Management Centres

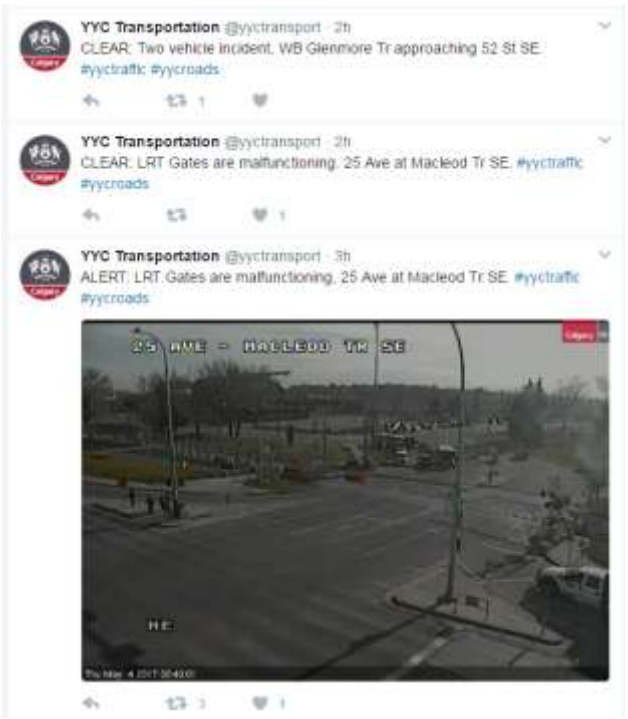
Event Detection

Current State of Transportation Management Centres

Verification

Current State of Transportation Management Centres

Response & Dissemination



Future Transportation Management Centres

Mobility Typically Ranks #1 or #2 in Priorities for Smart City Planners

STRONG TIES TO ECONOMY & ENVIRONMENT PILLARS

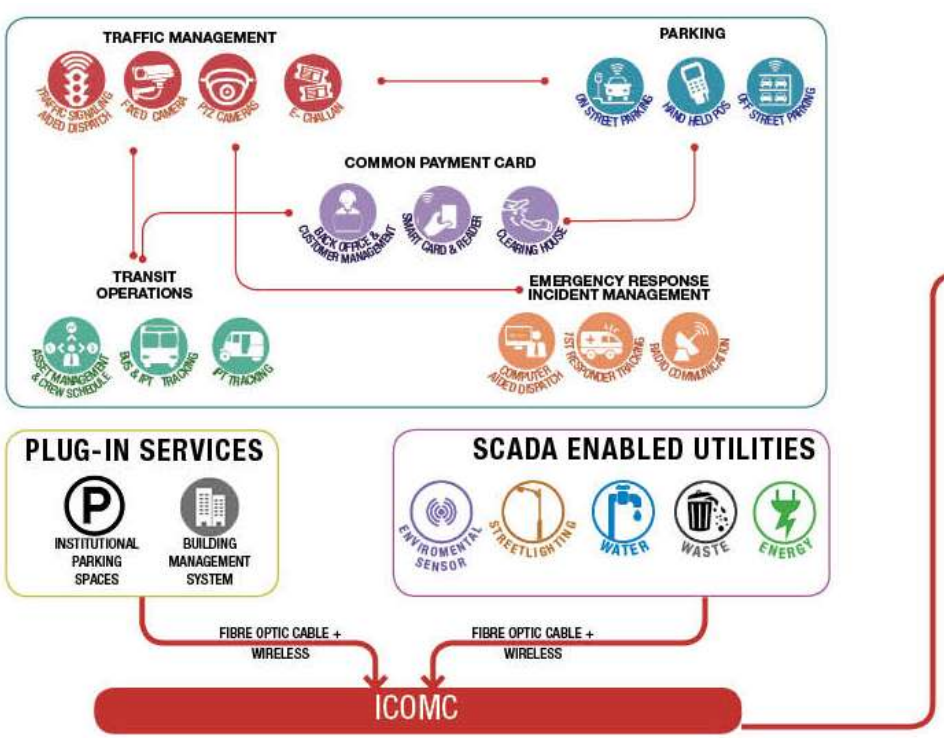
Future Transportation Management Centres

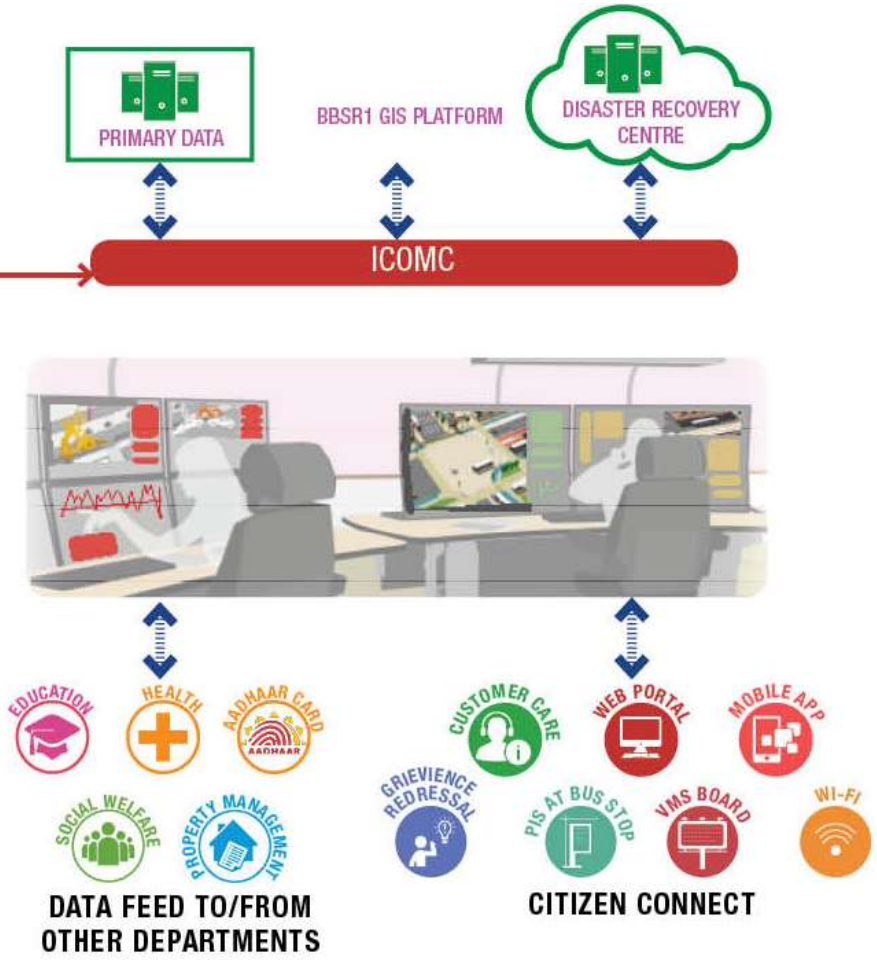
Bristol Intelligence Centre
Glasgow Future Cities Demonstrator

- Co-location of services associated with well-being, safety and security, mobility, and customer services etc.
- Services include Assistive Technology (Telecare), Integrated Care delivery, CCTV, alarm monitoring, event management and civil contingencies, Integrated Network Management, and Out of Hours Call Handling

In many cities the transportation operations centre is becoming the anchor “tenant” for development of Smart City operations, broadband data networks, open data & starting the development of smart city ops centres.

Bhubaneswar – Smart City ICOMC





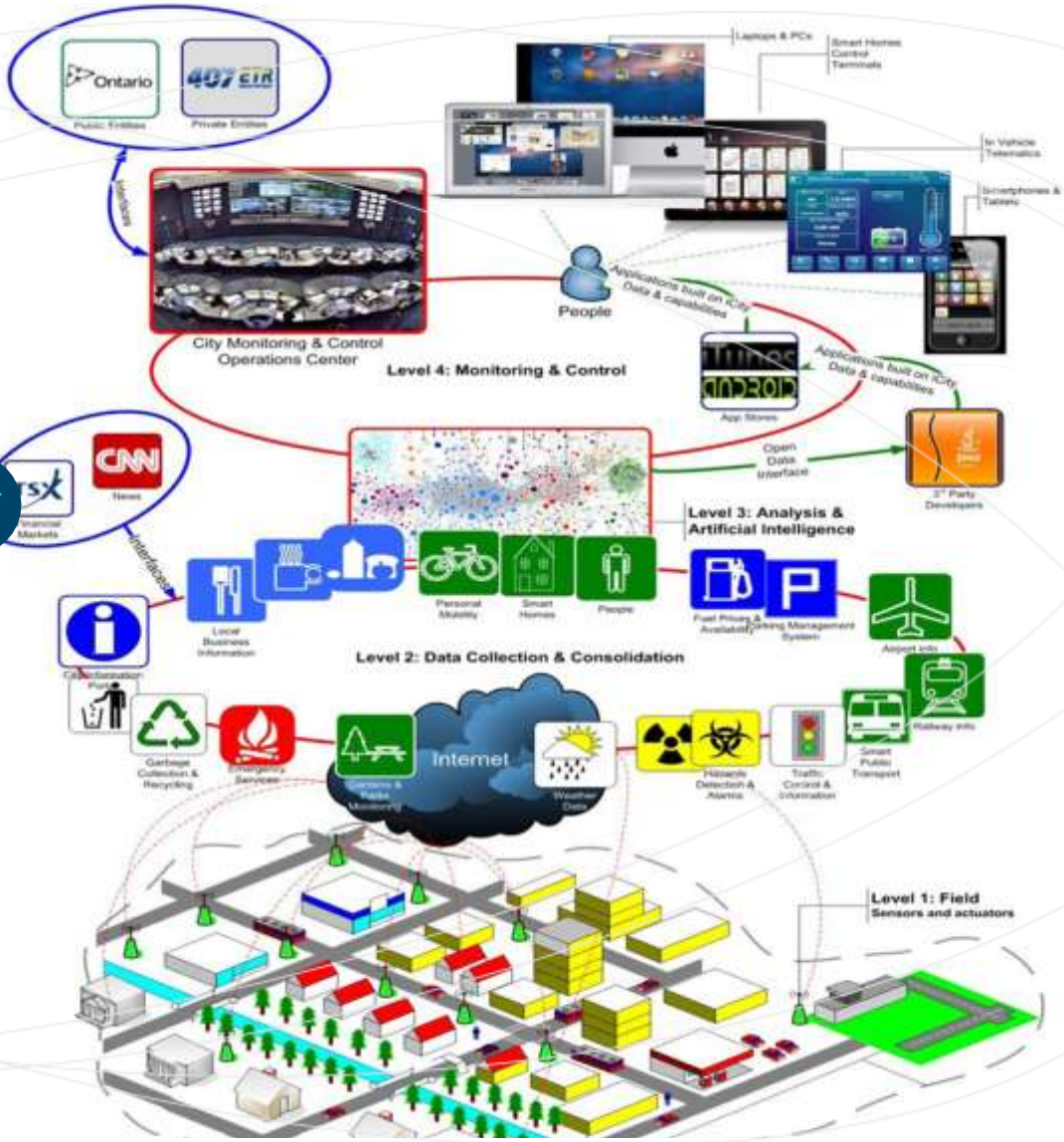
- Mobility management is a foundational component of the Integrated Control and Operations Centre.
- Integrating Services in one centre increases situational awareness and improves response.

Telecommunications

THE FOUNDATION OF A SMART CITY STRATEGY

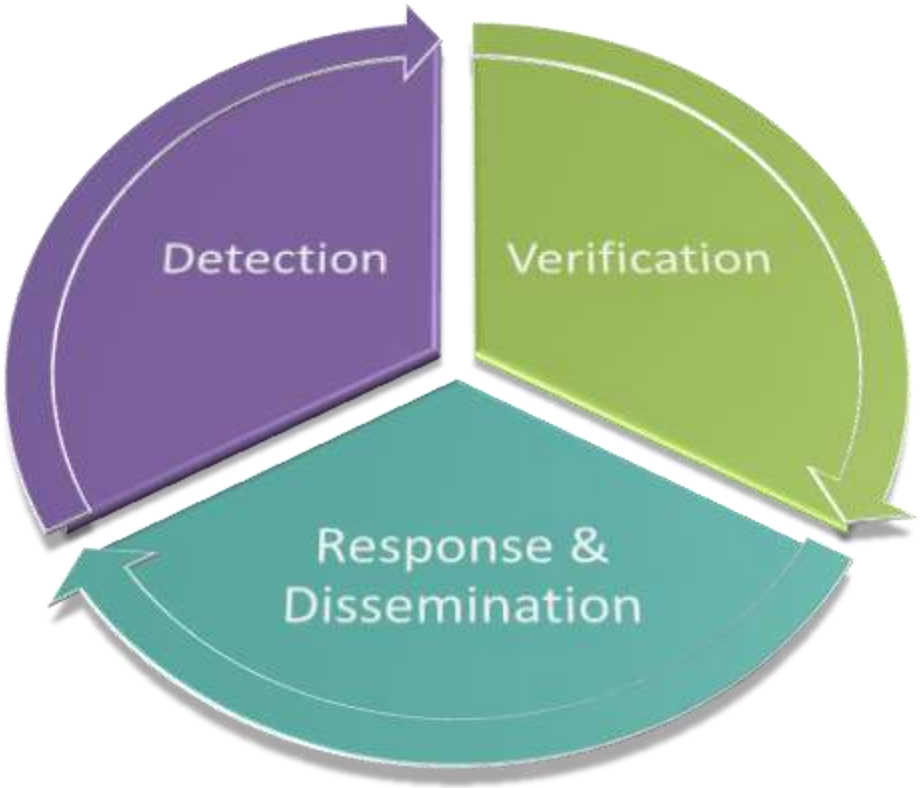
CONNECTING THE COMMUNITY, DEVICES, SYSTEMS

INTERNET OF THINGS (IoT)

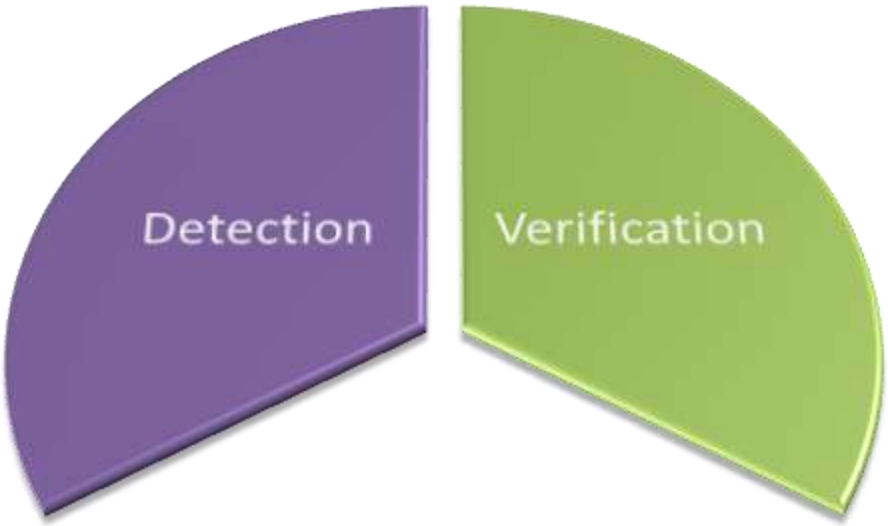


Future Transportation Management Centres

Event Management Workflow



Technology – Future Considerations



- Automation
- New Data Sources
- Machine Learning & Artificial Intelligence
- Business Intelligence – Improving Operations

Future Transportation Management Centres

Technology – Future Considerations

- Automation
- Targeted Traveller Information
- Open Data

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Technology – Design Considerations

Thank You

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