



Midlands Highway Alliance Plus

Highways & Transport: The Future

Wednesday 23 September 2026

Workshop 2: Integrated Transport
Chair: Adrian Coy

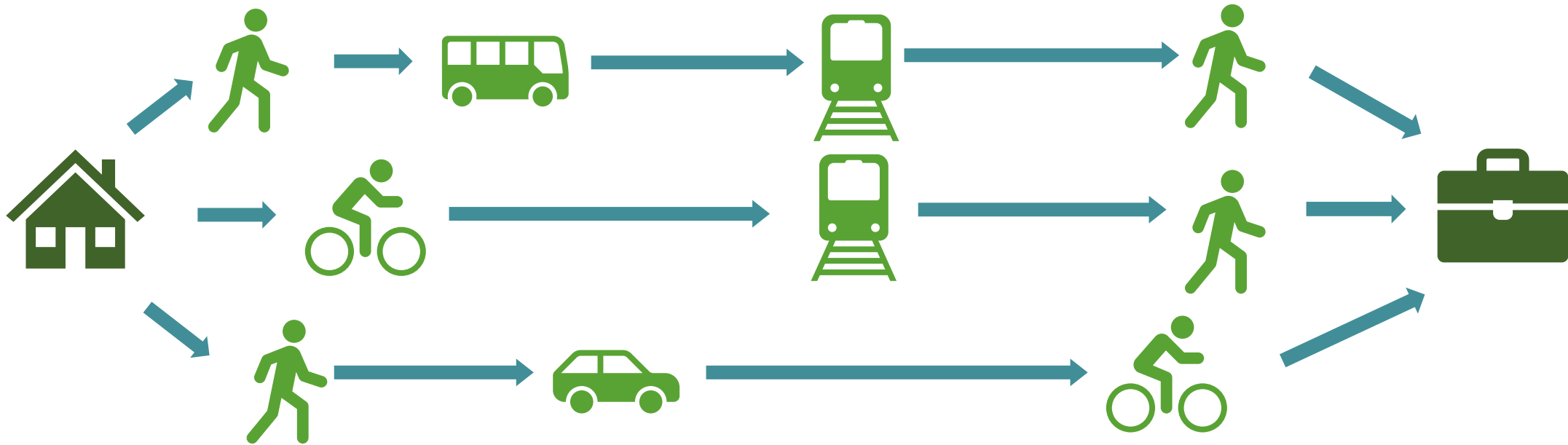


Integrated Transport The Bigger Picture

Lidia Derossi
Associate Director, AECOM



People don't experience transport modes. They experience journeys



Walking & Wheeling: The Forgotten Glue

- Used by everyone
- Connects every journey
- Enables Public Transport

How can we improve its role?



Cycling: Democratising Distance

- Extends the reach of the public transport network
- Makes more destinations accessible
- Makes longer journey realistic

How can we improve its role?



Buses: The Unsung Hero

- Flexible
- Extensive
- Inclusive
- Faster and cheaper to implement

How can we improve their role?





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**DELIVERING
A BETTER
WORLD.**

Rail & Light Rail: The Strategic Backbone

- High capacity
- Connects people and places at scale
- Supports national, regional and metro growth
- Key for reducing reliance on aviation and cars

How can we improve its role?





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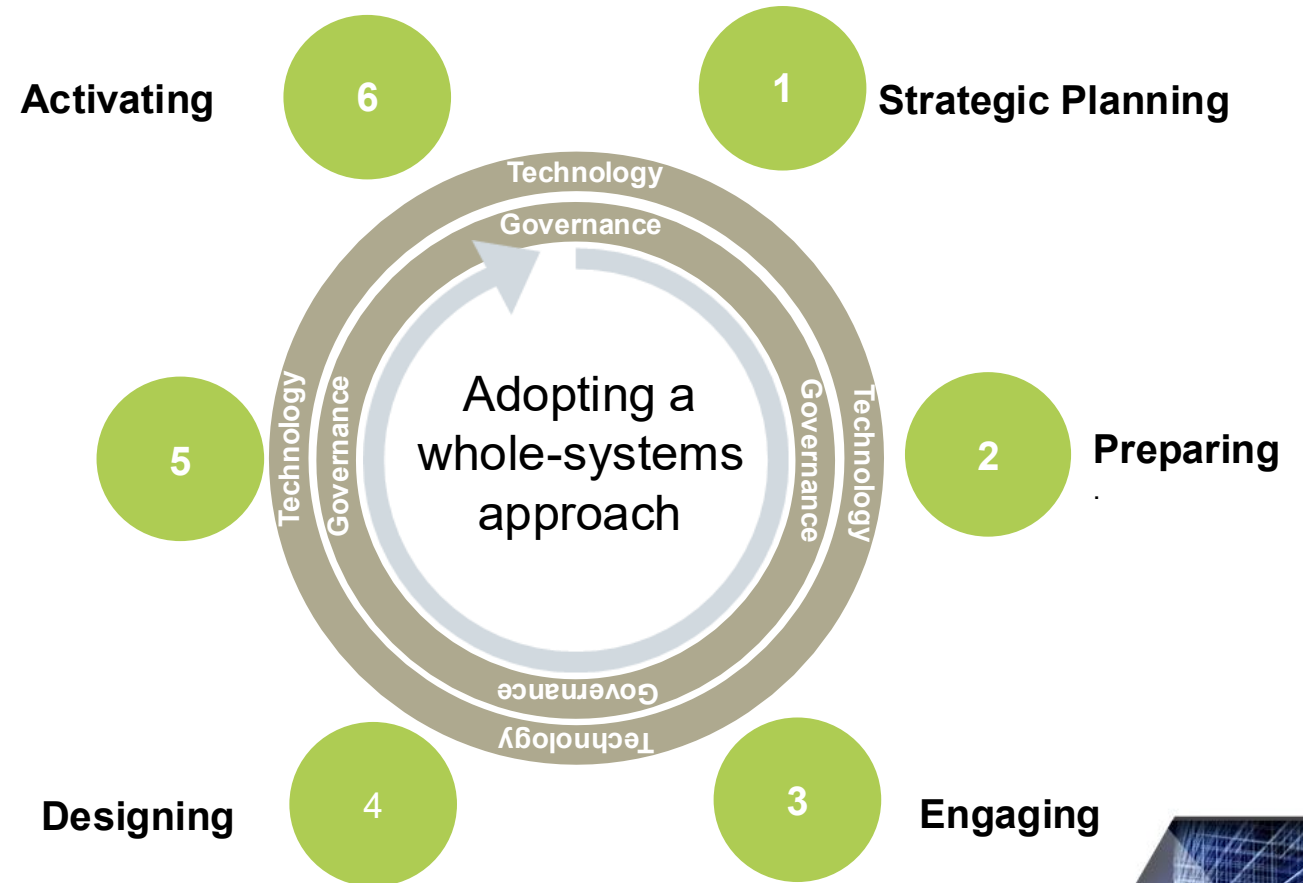
Mobility hubs: where integration become visible

- Bring modes together
- Enable informed transport choices
- Interchanges between modes
- Extend access to public transport
- Flexibly build on existing networks

How can we improve their role?



Bringing the Network Together





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Smart Cities – Autonomous vehicles, drones and robots

Ian Pulford – Smart City Consultancy
Joe Mundy – Milton Keynes Council



SMART CITY CONSULTANCY

A U T O N O M Y A S A S E R V I C E

Introduction

Ian Pulford

CEO

Smart City Consultancy



Welcome to Milton Keynes



SMART CITY
CONSULTANCY

Innovation
for a cleaner
tomorrow

Greener
Smarter
Together

Autonomy as a service: The Enablers

Smart City Services

Control Room

Experience Centre

Analytics

Integrated Apps

Data Exchange

Situational Awareness

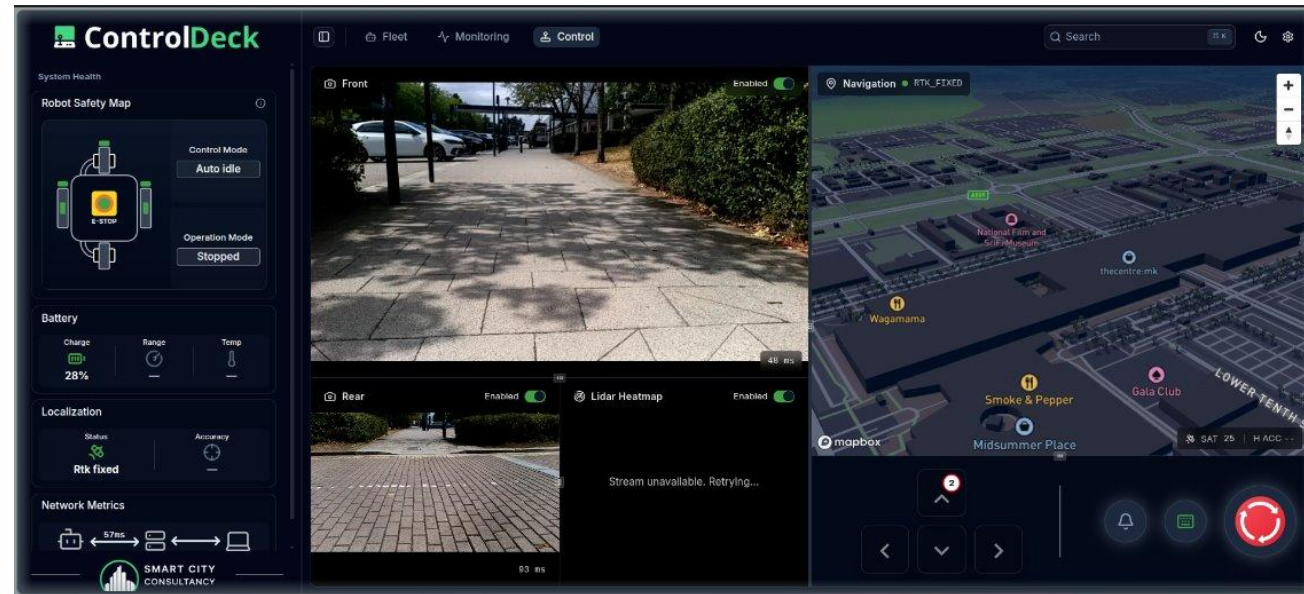
Sensor Infrastructure



Connectivity Infrastructure



Remote monitoring and teleoperation (RMTO)



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Real World Deployments: Driverless shuttles

Another video vehicle in MK



A U T O N O M Y A S A S E R V I C E

Real World Deployments: Robot services



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Real World Deployments

RoboPASS



- Standardised robotics Licensing Framework
- Regulatory and legal barriers
- Safe, real-world deployments
- Accelerate Robotics Adoption

Community engagement



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StreetCAV Projects

- In 2015 MK's first experience with self-driving vehicles
- More recently in 2023 the StreetCAV project Started
- Initial project looked at supporting technology needed for deploying SDV's in mixed use traffic
- 7 stages for highway approval
- Over 3 years complete over 2,000 miles with over 3,000 passengers
- Planning to create the first of a kind first/last mile shuttle service

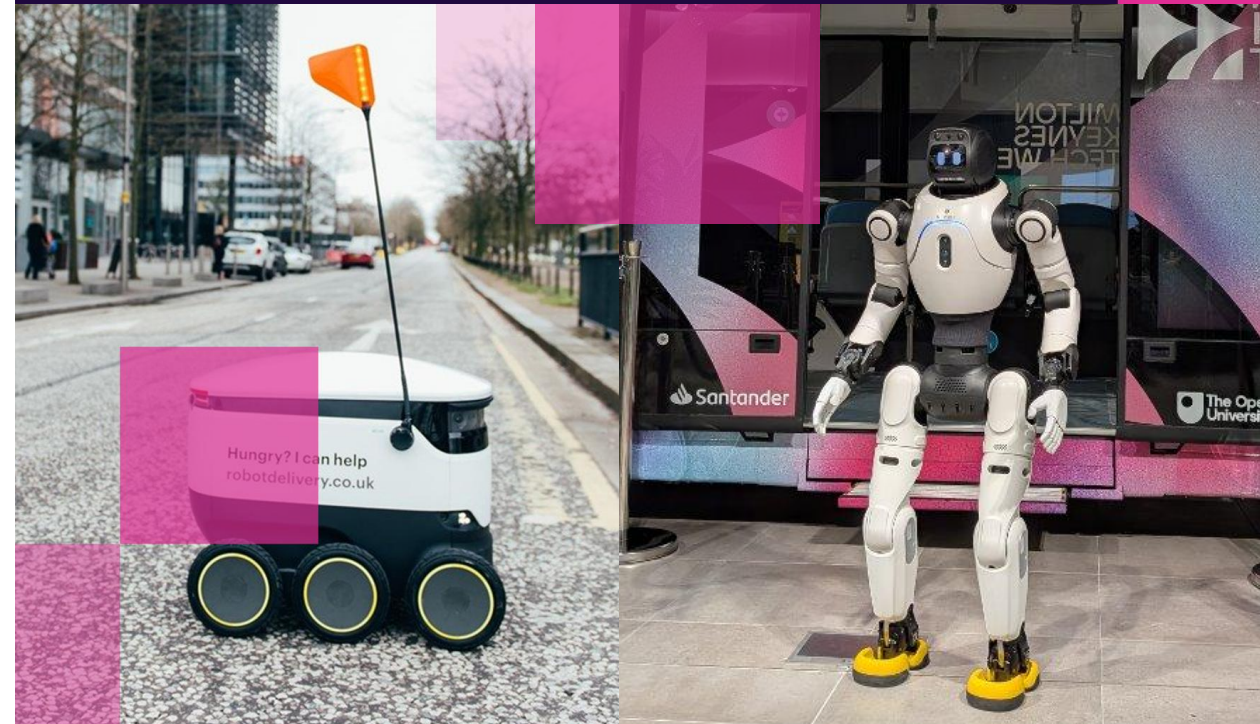


Robotics as part of our **Smart City Strategy**

- Builds on our innovation **track record**, the place where **'ideas become reality'**
- A vision for **connected and autonomous systems** - autonomous things that **work together**
- Strong **use case focus**, promoting **'tech for good'** and benefitting the city, its citizens, visitors and the organisations around us
- Reflects our **permissive approach** to innovation: early / first adopters ahead of national deployment
- **Enabling** new services, **not overwhelming** our city
- Focus on assuring safety, security, inclusivity, trust, value-add
- Aligned to city vision for **long-term growth** and high-skill, high-tech, high-pay jobs

Milton Keynes Tech, Smart City, Digital, and Creative Industries Strategy

2024 – 2029



RoboPASS background

Purpose: To establish a usable local authority licensing framework for the testing and commercial deployment of robotic solutions within the public realm.

Value: £781,817

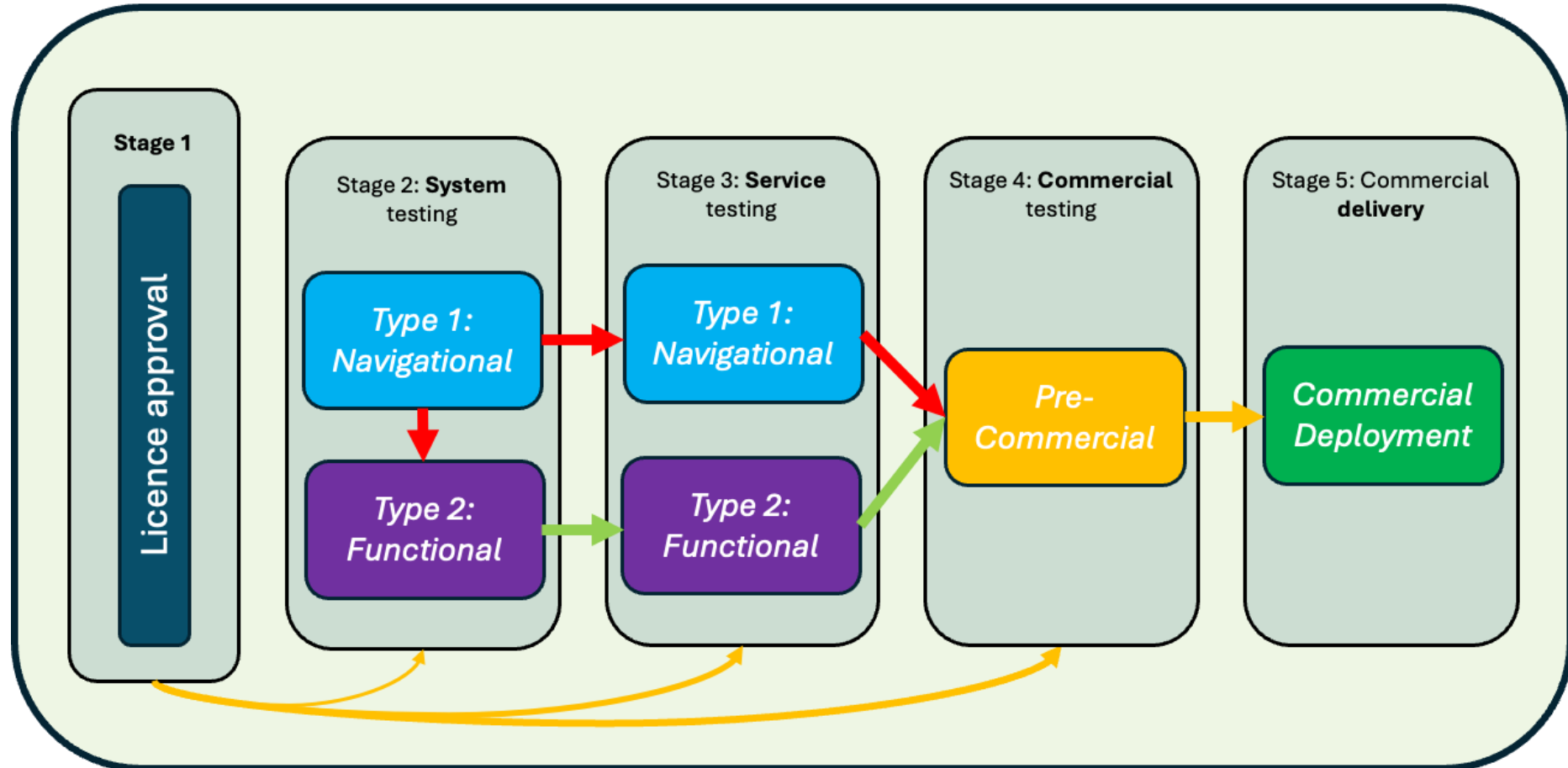
Funder: Department for Science, Innovation and Technology through the Regulatory Pioneers Fund 4

Why needed?

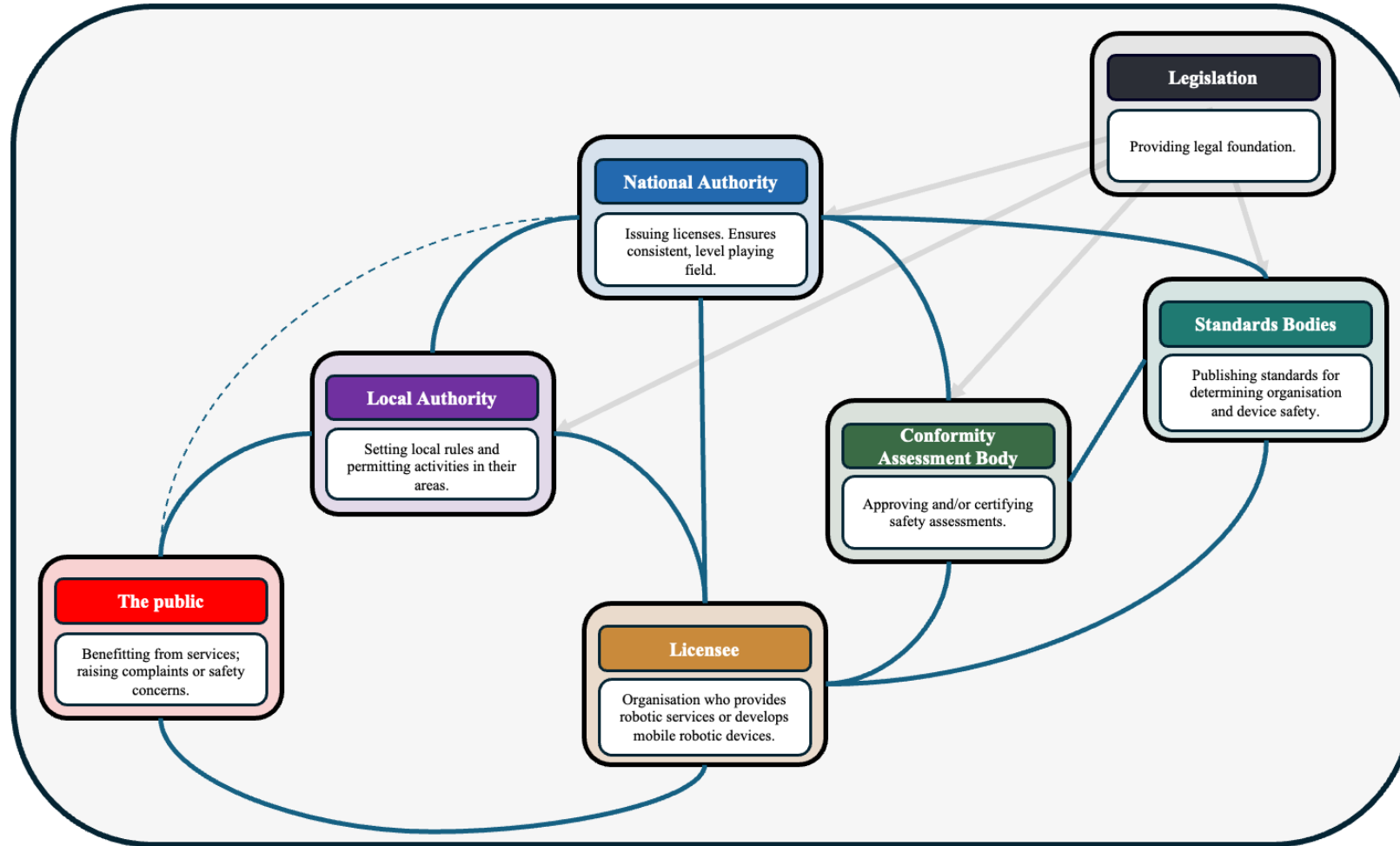
- Lack of relevant standards
- Differing approaches to approving deployments
- Lack of evidence base for common operational challenges
- No guidance for compliance and assessment
- Poor foundations for assessing and insuring risk



RoboPASS Licensing Framework



RoboPASS Ideal Governance structure





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Questions

