Our operational approach

Building the operational foundations for safe, accountable and reliable autonomous passenger transport across the United Kingdom.

AMUK'S ROLE

Successful autonomous passenger services require much more than advanced vehicle technology. Autonomous Mobility UK (AMUK) is developing the operational infrastructure, management systems and safety procedures needed to support professionally managed autonomous transport networks, positioning AMUK as a future fleet and infrastructure operator working alongside technology providers, booking platforms and local partners.

THREE DISTINCT LAYERS

Vehicle technology, passenger services and fleet infrastructure

LAYER 1

Vehicle technology

Vehicle manufacturers and autonomous driving technology providers develop, validate and are responsible for the vehicle and its driving system.

LAYER 2

Passenger services

Booking and dispatch platforms connect passengers with journeys, handling bookings, payments and the customer journey.

LAYER 3 · AMUK FOCUS

Fleet infrastructure & operations

Mobility hubs, charging, vehicle readiness, maintenance coordination, operational oversight and local coordination that allow services to run reliably.

PROPOSED NATIONAL OPERATING MODEL

One framework, adapted locally

- A consistent national operating framework, adaptable to individual local authority requirements.
- Technology-neutral and vehicle-agnostic, so regions are not tied to a single supplier.
- Shared regional infrastructure supporting multiple fleets over time.
- Phased introduction, with expansion linked to demand, readiness, safety assurance and regulatory permissions.

OUR PRINCIPLES

At the centre of every deployment

Safety
Risk-managed operations with clear readiness reviews.

Accessibility
Inclusive services designed for all passengers.

Accountability
Clearly defined responsibilities between partners.

Reliability
Professionally managed, consistent operating standards.

HOW THE MODEL WORKS TOGETHER



Illustrative proposed operating model. It does not represent existing agreements with any named organisation.

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Safety and compliance preparation

Three core frameworks under development to support consistent, well-documented operating standards as services are developed across UK regions.

01

Operating Responsibilities & Procedures Framework

Defines the proposed responsibilities of AMUK, vehicle manufacturers, autonomous driving technology providers, passenger booking platforms and operational partners, covering operational oversight, vehicle management, passenger support, charging infrastructure, maintenance and coordination between service providers.

02

Safety & Operational Readiness Framework

Establishes AMUK's approach to risk management, incident response, passenger welfare, staff competence, operational monitoring, vehicle maintenance and emergency coordination, designed to support consistent operating standards across multiple UK regions.

03

Compliance & Evidence Register

Identifies the records, procedures, approvals and operational evidence required to support regulatory applications, operational assurance and ongoing compliance, providing a structured way to document responsibilities and demonstrate preparedness.

Incident management & passenger support

- Defined incident reporting, escalation and investigation routes.
- Coordination procedures with police, ambulance and fire services.
- Operational monitoring and remote assistance arrangements.
- A clear route to help for passengers, with accessibility and safeguarding considered throughout.

Regulatory engagement & operational assurance

- Preparation aligned with the Automated Vehicles Act and the emerging Automated Passenger Services regime.
- Engagement with local authorities, government bodies, vehicle manufacturers and infrastructure partners.
- Structured evidence to support future applications and ongoing assurance.
- Formal readiness reviews before any service is introduced.

FROM NATIONAL FRAMEWORK TO REGIONAL DEPLOYMENT

A consistent model, tailored to each region

The national framework provides common standards, responsibilities and assurance processes. For each prospective region it would be adapted to local authority requirements, the selected vehicle technologies and the local transport network.

Understand
Local priorities, transport needs and requirements.

Adapt
Apply the framework to local conditions and chosen technology.

Assure
Readiness reviews, evidence and required permissions.

Introduce
Phased, controlled introduction subject to authorisation.

OUR COMMITMENT

To develop autonomous passenger services with safety, accountability, accessibility and operational reliability at the centre of every deployment.

This public overview summarises AMUK's approach; detailed frameworks are not published. Local authorities, investors and prospective delivery partners may request further information.

IMPORTANT REGULATORY CLARIFICATION

AMUK's operational frameworks are working documents under development. They do not constitute regulatory approval, certification or permission to operate autonomous passenger services. Deployment remains subject to applicable regulatory authorisations, vehicle approvals and local permissions.

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