Decarbonisation of Urban Mobility and Freight Logistics

ASCEND

SOLUTION PACKAGE 4

ASCEND targets the decarbonisation of urban mobility and freight logistics through the creation of dedicated micromobility zones and the expansion of car-sharing and electric-vehicle networks. Additionally, rooftop PVs and new green public spaces are woven into the streetscape to improve air quality and prioritize people over cars.

MUNICH

- Operational city-wide mobility points with integrated mobility services.
- Public-private collaboration to provide mobiluty options.
- A dedicated website uses heatmaps and space-availability data to streamline location selection.
- The programme is city-funded until 2026, with providers paying monthly fees to access Mobility Point parking.

LYON

- The completed Micro Hub Pilot showcased low-carbon last-mile delivery by repurposing underutilized infrastructure
- Governance is handled by a special-purpose vehicle co-owned by Lyon Métropole and private partners.
- The Micro Hub model has been replicated in additional car parks across Lyon and in Madrid.
- Detailed hub blueprints ensure economic balance and long-term viability.

CHARLEROI

- Cycling Backbone will add protected bike lanes in Porte Ouest, linking into a broader supra-local cycle network.
- Charleroi is conducting feasibility studies to expand public transport connections and new modes to the Porte Ouest redevelopment zone.
- Charleroi is regenerating the former HF4 industrial site into accessible green public spaces, fostering community use and environmental restoration.

PRAGUE

- A new bus terminal in Dolní Počernice will integrate micromobility and real-time traffic data, streamlining multimodal connections.
- Prague is building a real-time mobility analytics platform with BI dashboards, API-driven LOS data, coordinated integration with public transit operators.

BUDAPEST

- Budapest is designing multimodal "Mobi-points", integrating micromobility, car-sharing, and e-scooters for seamless transit connections.
- Budapest is building data-driven logistics and curbside-management frameworks to streamline last-mile delivery and cut congestion.

ALBA IULIA

- Alba Iulia has nearly completed a 6 km protected bike-lane network set for full delivery by December 2025.
- Alba Iulia's dual-mode charging network (3 public, 12 private) powers 215 EVs and cuts 110 kg CO_2 monthly, with 15 new stations incoming.
- City operates 13 e-buses, has 27 more (21 buses and 6 minibuses) on order and is planning an EV bus depot.

Stockholm

- Stockholm reached 6,700 public chargers and, through its 100-member Electrification Pact, added 800 street chargers, 50 ultra-fast stations, 17 new members, and 2 focus groups.
- STOLT is a demonstration platform using Stockholm's Class 3 Enviro Zone to pilot reduced car travel, electrified transport, and urban greening