

PRESS RELEASE – 30 September 2025

MZA Warsaw and Autonomous Systems unveil Redutowa: a depot built for smartbuses from day one

Warsaw / Brussels - 30 September 2025 - MZA Warsaw, together with **Autonomous Systems**, today unveiled **Redutowa**, a new city-bus depot designed from the outset for **smartbuses** - buses that can manoeuvre autonomously on depot premises. The project translates years of operational lessons into a practical, safety-first design and a clear path to day-one impact for operators and OEMs.

What's different about Redutowa

Redutowa is compact, two-level, and planned for **140 vehicles**. It removes staff from the riskiest zones and relies on **autonomous vehicle movements** between parking, charging, wash and workshop. It's designed to make peak-hour flows predictable - and to make the morning rollout simpler and safer.

Why it matters for operators and OEMs

The MZA analysis behind Redutowa quantified the upside seen at Ostrobramska depot (another facility operated by MZA Warsaw): up to 35 minutes saved per bus per day, an €88,000 12-year labour saving per vehicle, and the elimination of 3-4 minor collisions weekly, improving availability.

At fleet scale (140 smartbuses): that equates to **around 2,400 hours per month** of time saved across the depot and **over €12 million** in cumulative labour savings over a 12-year lifecycle.

The control room

Operations at Redutowa are coordinated from a single **smartbus control centre**, a role designed around a new function: the **Smartbus Coordinator**, who manages vehicles and processes from the screen rather than the steering wheel. Integration spans chargers, wash bays and workshops, with the system making real-time decisions on order, routing and safety priorities.

Endorsed by leading European PTOs

“At TMB, we are modernizing our depots to handle the complexity of electric fleets. The smart depot system helps us maximize driver availability, improve operational safety, and keep daily operations running smoothly.”

— **Mario Canet**, Head of New Developments, **TMB Barcelona**

“Autonomy doesn't replace people - it supports them. We can relieve drivers from time-consuming depot maneuvers, reduce collision risk, and improve working conditions.”

— **Jan Kuzminski**, President of the Board, **MZA Warsaw**

“Every day, hundreds of buses must be ready, safe, and on time. The smart depot system helps us achieve that while supporting our long-term strategy - from zero-emissions to autonomy.”

— **Krzysztof Dostatni**, President of the Board, **MPK Poznan**

Meet us at Busworld Europe 2025

Autonomous Systems will be present at **Busworld Europe 2025** in Brussels, where we will share insights on autonomy that starts in the depot and showcase the Smartbus solution in action. **Join us at Hall 5 Entrance, Stand 555.**

For editors: definitions and tech context

- **What is a smartbus?** A regular city bus equipped to drive itself on depot grounds - **without a driver**. It's the first practical step toward autonomy in public transport operations.
 - **SmartDEPOT™ Mission Control:** is the depot's orchestration layer - built to improve depot efficiency and designed for the Smartbus Coordinator as the primary user.
 - **Safety and compliance features:** 360° perception based on LiDAR (no blind spots) and alignment with modern cyber regulations (e.g., **R155/156**).
 - **Infrastructure-light approach:** no sensors on ceilings, walls, or gates. Hardware is fully vehicle-mounted and optimized for depot needs – scalable from a single smartbus.
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About MZA Warsaw

MZA Warsaw is one of Europe's largest municipal bus operators. The Redutowa project builds on its experience managing complex depot operations and integrating new vehicle technologies.

About Autonomous Systems

Autonomous Systems develops **SmartDEPOT™ Autonomy** and **SmartDEPOT™ Mission Control** for depot manoeuvring - helping operators reduce collisions and queues, reclaim driver time for the line, and prepare fleets for the next phase of autonomy.