WISDOMMOTOR

The Future of Mobility Is Now

Intelligent Platforms
High Performance
Connected Mobility

NMU
CITY ROAMING

Electric & FC bus

The New Paradigm of Sustainable Mobility

Wisdom vehicles represent one of the most advanced expressions of next-generation electric mobility. Thanks to a modular design, a fully integrated technological supply chain, and an engineering approach oriented toward maximum flexibility, Wisdom is able to offer solutions ranging from compact mini city buses to high-end intercity and grand-touring vehicles. The Wisdom technological platform is designed to adapt to the operational needs of cities, regions, private fleets, tourism services, public transport operators and innovative mobility providers.

Personalization and innovation

A defining feature of the Wisdom offering is its exceptional level of customization, enabling the creation of fully bespoke vehicles tailored to any operational requirement. This design flexibility is combined with a strong predisposition toward future-oriented technologies, including autonomous driving and advanced driver-assistance systems.

Extreme Modularity

- Length - from 4 to 15 meters with variable modular widths and heights
- Configurations suitable for urban, school, VIP, BRT and tourism applications
- Infotainment displays, Telemetry, smart dashboards, and integrated IoT functions
- Multiple battery capacities, intelligent suspension systems and advanced ADAS packages
- Fully customized interior and exterior aesthetics

Technologies of Autonomous Driving

- **Level 2–3:** semi-autonomous driving, adaptive cruise control, 360° perimeter monitoring
- **Advanced Assistance:** intelligent braking and steering, enhanced lane-keeping, anti-collision systems
- **Livello 4:** fully autonomous operation upon request, compliant with European regulatory frameworks

Flexible Configuration

Adaptability to most challenging operational environments

Future-Ready

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Digital Ecosystem

Full Integration with IoT and AI-based systems.

The combination of design flexibility and technological innovation enables Wisdom to meet even the most complex operational requirements: from narrow historic village centers to premium airport shuttles and high-end intercity services. Wisdom stands as a complete platform for every sustainable mobility scenario.

Smart Mobility According to NMU and Wisdom

The new mobility paradigm does not stem from a single technology, but from the convergence of advanced digital solutions and vehicles engineered to adapt to their surrounding environment. This convergence takes shape through the strategic alliance between NMU and Wisdom, where intelligent platforms and next-generation electric buses enable transportation systems that are truly flexible, sustainable, and responsive to community needs

NMU Platform

Ride-sharing, shuttle pooling, and on-demand mobility services dynamically orchestrate mobility flows, transforming each journey into a timely and precise response to community requirements.

Wisdom Vehicles

Fully configurable vehicles—ranging in layout, size, and digital equipment—designed to operate seamlessly in rural villages, medium-sized cities, and interurban routes.

Integrated Ecosystem

Every vehicle interfaces with booking systems, receives optimized routes, and incorporates sensors and telemetry to support new high-efficiency operational models.

A Future Already Taking Shape

The integration between NMU and Wisdom paves the way for a new evolutionary phase: autonomous and semi-autonomous driving functions, already embedded within Wisdom's technology and fully compatible with NMU's digital scenarios. A future in which intelligent vehicles, territorial platforms, and people move together building a mobility system that is simpler, cleaner, and more closely aligned with the needs of local communities.

VILLAGES AND RURAL AREAS

Flexible services that connect low-density areas through on-demand solutions and vehicles tailored to local needs.

CITIES

Integration between traditional public transport and new on-demand shuttle models to optimize and fluidify daily flows.

CORPORATE SERVICES

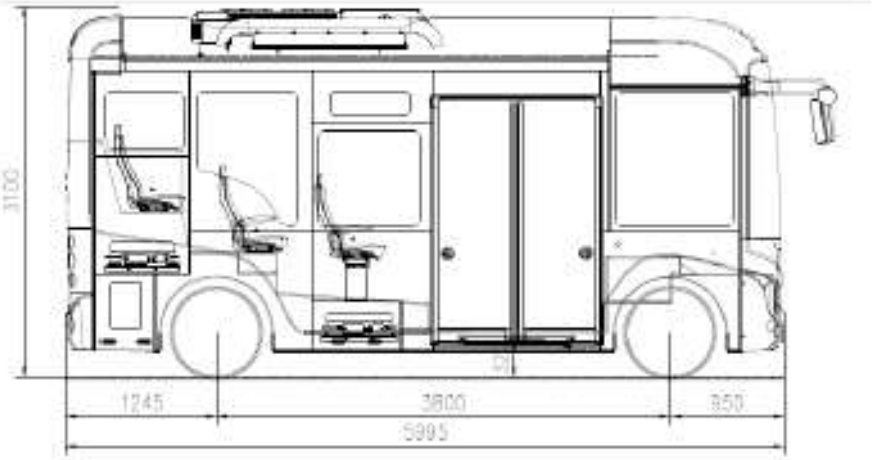
Tailored solutions for corporate mobility, featuring customized vehicles and integrated management platforms.

City Bus Line-Up

V6EV Series

Mini electric city bus designed for secondary routes and on-demand services supporting public transport in historic centers and compact urban areas.
With its compact dimensions (5995×2105×3100 mm) and a turning radius of 14 m, the V6EV ensures excellent maneuverability even in restricted spaces. The 9+3+1 seating configuration provides suitable capacity for shuttle services, local connections and village mobility while maintaining high interior comfort.
Its 240 km range supports a full day of urban operations without intermediate charging. With a top speed of 80 km/h and the ability to handle gradients up to 19%, it is also suitable for hilly routes and short extra-urban journeys.
Overall, it is a compact, reliable vehicle ideal for efficient and sustainable mobility in complex territories.

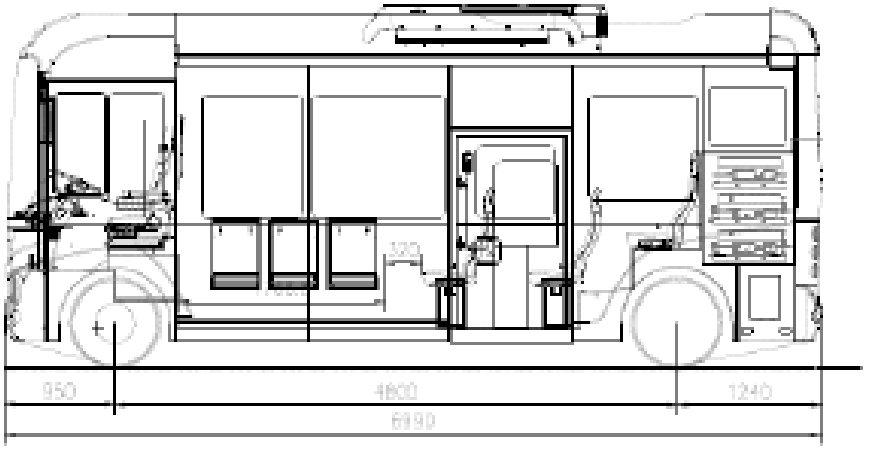
Note: It is possible to develop vehicle versions specifically sized for shuttle services in villages and historic districts with narrow roadway layouts.



V7EV Series

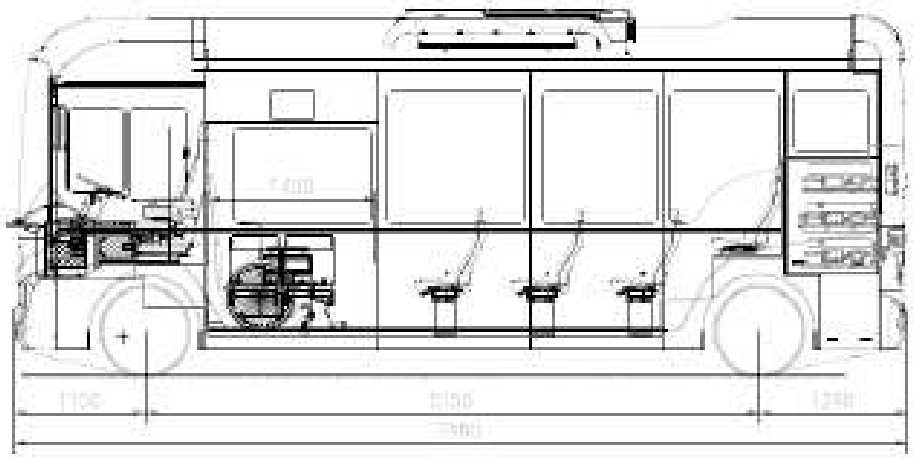
Compared to the V6EV114, the V7EV114 increases length to 6990 mm and wheelbase to 4800 mm, offering more interior space while remaining suitable for narrow streets and complex urban routes. It can be configured with 11+3+1 seats or with a double door at 9+3+1 capacity.

The increased GVW of 9000 kg allows for higher payloads and more complete fittings without compromising gradient performance (20% maximum, 7% continuous) or maneuverability (16 m turning radius). Performance remains comparable to the V6EV, with an 80 km/h top speed and 230 km of range, supporting full-day operations. The V7EV is the ideal choice when a compact yet more spacious, stable and versatile mini-bus is required.
Customer-specific customizations available.



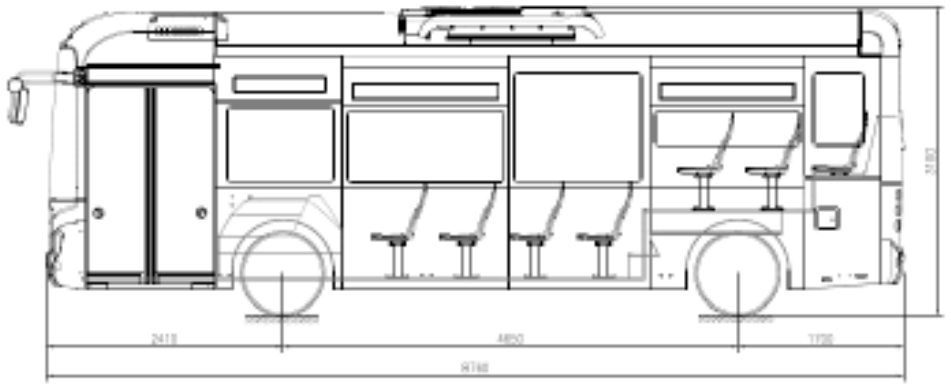
V75EV Series

The V75EV127 expands the mini and mid-city bus range by offering greater capacity and range. Measuring 7490 mm in length with a 5150 mm wheelbase, it provides a more spacious cabin configurable with 13+2+1 seats (single door) or 11+2+1 seats (double door).
Despite its size, it maintains high maneuverability with an 18.5 m turning radius. It can handle gradients up to 21% and continuous climbs at 7%.
Its 250 km range supports an entire operational day without recharging.
This model offers the ideal balance between compactness, capacity and range for operators requiring a larger city bus still suitable for complex urban networks.
Customer-specific customizations available.



V8/9EV Series

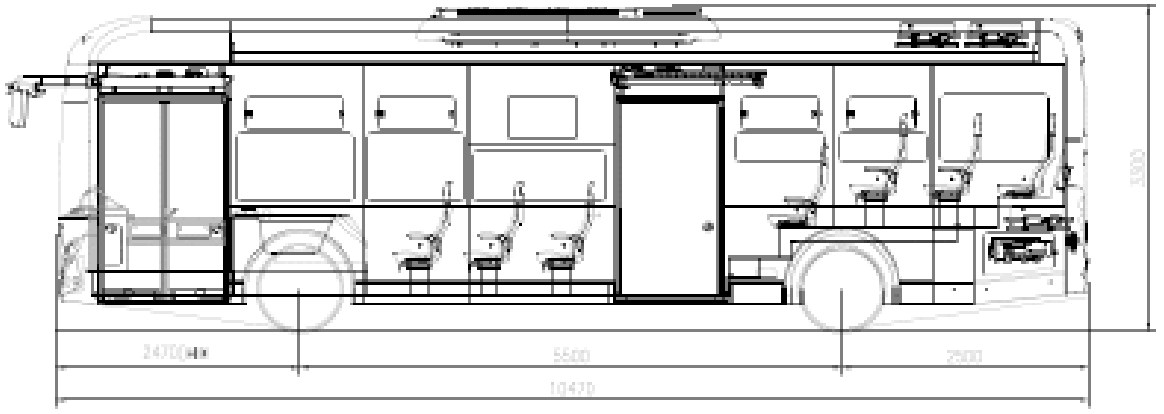
High-capacity electric minibus designed for primary urban routes and higher-demand services, offering increased space and extended range compared to the smaller mini city buses in the lineup. Available in lengths of 8760 or 9460 mm, with seating configurations of 25+2+1 or 29+2+1, it ensures comfort, wide accessibility and outstanding operational versatility.
A 4650 mm wheelbase and configurable front and rear overhangs provide excellent stability and maneuverability. Despite its larger dimensions, the vehicle maintains strong agility, supported by an 18 m turning radius and solid gradient performance (22% maximum, 7% continuous).
Both the maximum and continuous speeds reach 79 km/h, enabling effective operation not only on urban routes but also on short interurban services. Its 300 km range allows for a full day of operation without intermediate charging, reinforcing its suitability for intensive service cycles. Overall, the V8/9EV210 represents the ideal solution for operators requiring a larger, efficient electric bus with extended range-while still preserving the compactness and flexibility needed for reliable and adaptable urban mobility services.



V10/11EV Series

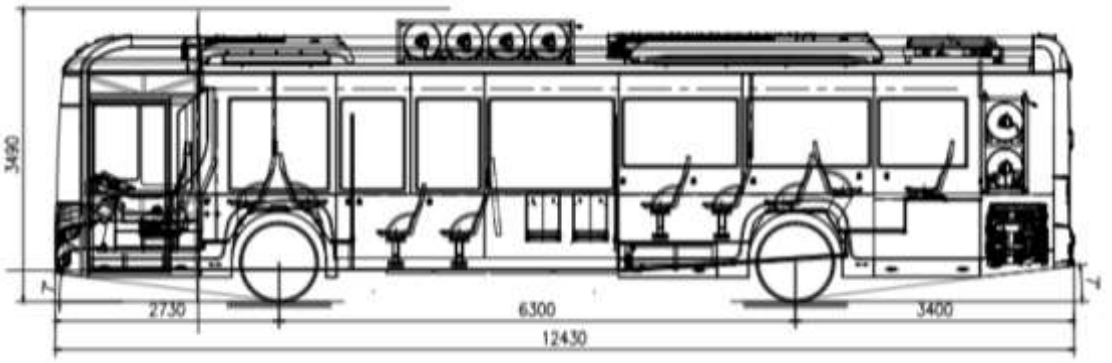
Mid-size electric bus offering high capacity, designed for primary urban routes and high-frequency services.
Available in lengths of 10.47 or 10.93 m and a width of 2500 mm, it provides spacious interiors and flexible layouts: 21+4+1 seats with two wheelchair spaces or 25+1 seats, ensuring outstanding accessibility and passenger comfort. The variable wheelbase (5500 or 4740 mm) and configurable front and rear overhangs allow the integration of additional equipment. Performance features include a 19 m turning radius and a 22% maximum gradeability.

With a top speed of 97 km/h and a 300 km driving range, the vehicle supports a full day of operation without intermediate charging, making it ideal for both urban services and medium-range interurban routes.
The V10/11EV is a robust, accessible and highly efficient mid-size bus, perfectly suited for fleets requiring superior capacity, versatility and performance.



V12EV Series

The V12EV Series represents a new generation of full-size battery-electric buses, designed around a high-efficiency architecture that combines a large-capacity CATL battery system with advanced DANA TM4 or Siemens electric traction motors. This configuration provides smooth power delivery, long operating autonomy and stable performance across a wide range of urban and suburban service scenarios. With its 12-meter platform and optimized passenger space, the V12EV is suitable for dense city routes as well as medium-range interurban journeys. The battery pack-available up to 400 kWh supports realistic daily ranges of 350 - 420 km, enabling operators to cover full shifts with standard depot charging and without relying on intermediate stops. Thanks to its refined drivetrain and intelligent energy management, the V12EV maintains consistent performance even on routes with demanding gradients, delivering rapid acceleration, regenerative braking efficiency and a quiet, comfortable ride.
A maximum speed of 80 km/h and gradeability of up to 25% ensure strong operational capability in diverse environments. The model can be customized extensively, including seating configurations, interior materials, accessibility options, door layouts and on-board equipment.



V12FC Series

Compared to traditional battery-electric buses, the V12FC Series integrates a dual-energy electric architecture combining a 110 kW Weichai–Ballard fuel cell stack with a high-capacity CATL battery pack. This hybrid configuration ensures continuous energy supply, extended range and stable performance even on routes with significant gradients or demanding operating cycles. With a length of 12 meters and optimized internal space, the V12FC supports both urban and interurban operations. The hydrogen storage system (44.4 kg at 70 MPa) enables a real-world driving range of up to 700 km, making the vehicle ideal for operators requiring long daily duty cycles without recharging interventions. Performance is robust and consistent, with a top speed of 80 km/h, excellent gradeability (up to 25%), and high drivetrain efficiency derived from the synergy between the fuel cell and the traction battery. Customer-specific configurations are available for seating layout, accessibility, interior trim and operational equipment.

DD12/EV400 Series

A large double-deck city bus designed for public transport in the most densely populated areas, offering high capacity, reliability and operational flexibility. With 83+1 seats and generous overall dimensions, it provides a spacious interior environment suitable for heavy passenger flows on major urban routes. Its robust structure and extended wheelbase ensure stability and consistent performance even under full load. Dynamic characteristics including a 20 m turning radius, capability to climb gradients up to 19% and a top speed of 100 km/h make the model suitable for complex urban routes as well as fast transit corridors. The 450 km range enables full-day operations without recharging. Overall, the model combines high capacity, efficiency and long autonomy, making it an ideal solution for high-demand, sustainability-oriented public transport networks.

DD12/FC 400 Series

The DD12FC extends the hybrid electric fuel cell platform into a high-capacity double-deck configuration. Its dual-level passenger cabin maximizes transport efficiency while preserving comfort and ride stability. Powered by a 110 kW Weichai - Ballard PEM stack and supported by a CATL traction battery, the DD12FC achieves long-range operation without compromising power delivery during peak demands. Thanks to its 70 MPa hydrogen storage array, the bus ensures full-day service autonomy even on high-frequency urban corridors. Despite its height and capacity, maneuverability remains excellent, supported by a reinforced chassis and optimized weight distribution. A wide range of interior arrangements is available, tailored to metropolitan or intercity service requirements.

Intercity and Coach Range

wisdommotor

C EV Series

The C EV series comprises mid- to large-size electric tourist and intercity coaches, designed as a fully configurable platform capable of meeting both city-to-city line connection needs and tourism transport requirements. With configurations starting at 35+1+1 seats and vehicle lengths beginning from 8.85 m up to 73+1+1 seats for the 15 m version, it offers comfort, strong capacity and excellent maneuverability. Its performance features include a wide 15.5 m turning diameter, ability to handle gradients up to 20%, top speeds of 85 or 100 km/h, and a driving range between 230 and 500 km. The
C EV series is available with various powertrains and output levels, providing customized solutions tailored to different tourism, commuting and professional mobility needs.

C12FC Series

The C12FC Series is Wisdom's next-generation fuel cell electric bus designed for intercity and regional transport (45 – 53 seats) services requiring long range, high efficiency and zero-emission performance. Built around a 110 kW Weichai–Ballard PEM fuel cell stack paired with a CATL high-voltage traction battery, the C12FC delivers a balanced hybrid electric architecture that ensures smooth power delivery, reduced energy consumption and outstanding autonomy. With its optimized 12-meter structure, the C12FC offers generous interior space, enhanced ride comfort and a configuration tailored to longer-distance passenger services. The C12FC Series combines hydrogen fuel cell technology with high-efficiency electric drivetrains to deliver a zero-emission, long-range intercity bus capable of full-day operation without recharging interruptions. Its robust engineering, premium comfort options and low operating costs make it an ideal choice for operators seeking a sustainable alternative to diesel in the 12-meter intercity segment.

U12FC200 Series

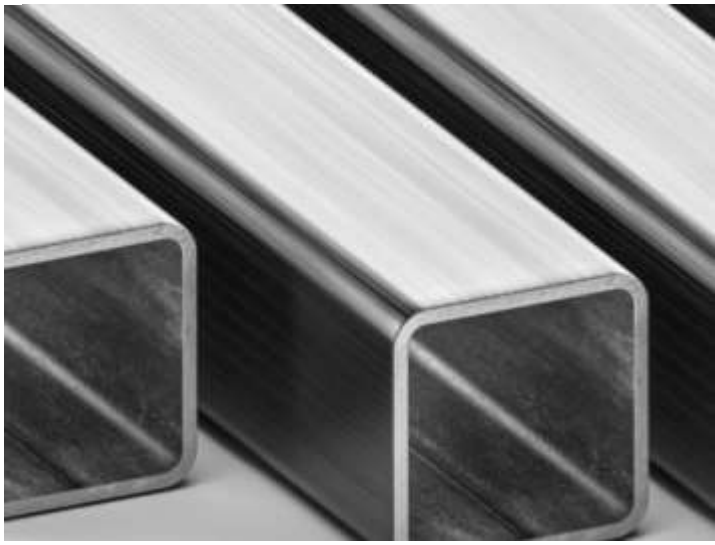
The U12FC200 Series is Wisdom's large urban buses, suitable for medium and short distance passenger transportation between developed countries and regions, or suburban public transportation purposes, continuous duty cycles and uncompromised environmental performance. Its architecture is built around a powerful 200 kW fuel cell system, paired with a high-capacity CATL traction battery, forming a hybrid electric powertrain that ensures smooth acceleration, efficient energy use and outstanding autonomy throughout the entire operating day. Engineered for dense urban corridors, the U12FC200 combines zero emissions with high passenger capacity, rapid refueling and superior reliability making it an ideal solution for operators transitioning large fleets to hydrogen based mobility.

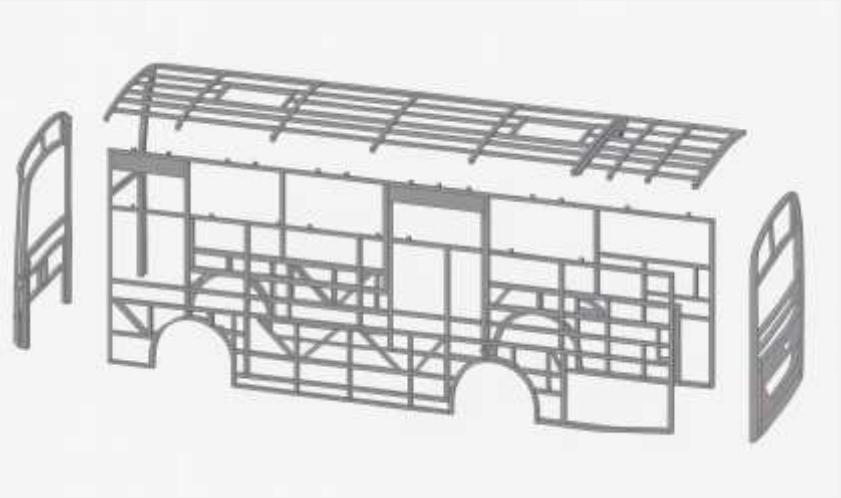

Engineering
&
Technical Systems

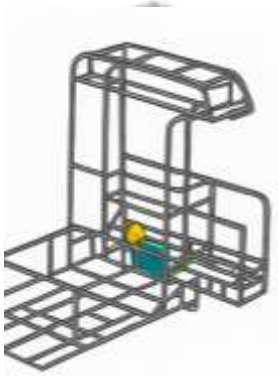
Structural architectures

The new bus platform integrates premium materials, high-performance structural architectures and modular solutions designed to maximize reliability, safety and operational continuity. The use of STALA stainless steel ensures a corrosion-free frame with a certified 20-year lifespan and high residual value, reducing maintenance costs and TCO.

A closed-ring body structure improves torsional rigidity and ensures uniform stress distribution, enhancing vehicle stability and safety compared to traditional block-welded structures. Modular composite side panels allow for rapid and localized repairs, minimizing downtime and optimizing fleet management.







Skin Technology

1. Structural enhancement and weight reduction
Composite cladding eliminates typical sheet-metal issues (corrosion, welding deformation, high weight), enabling:

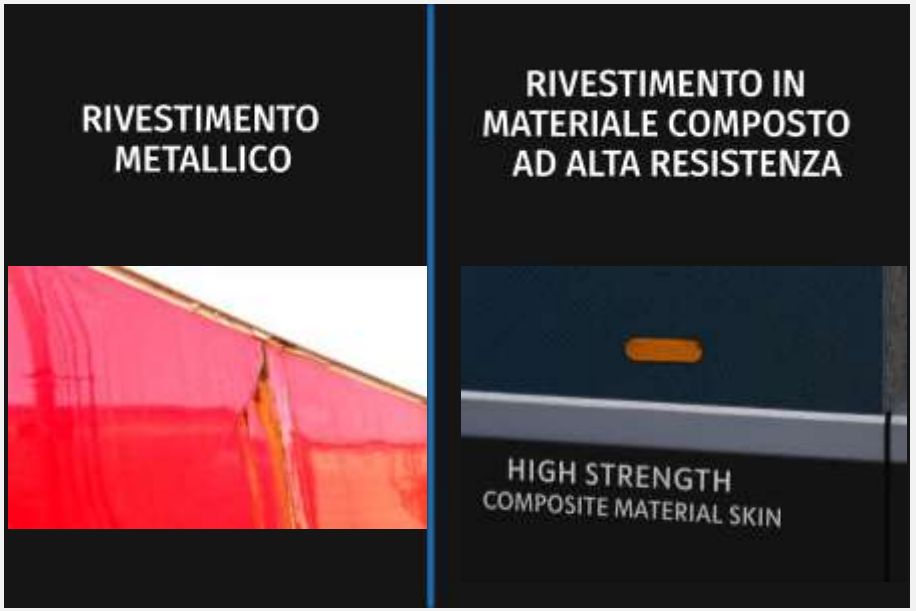
- Reduced vehicle mass
- Lower center of gravity
- Higher stability, reduced risk of roll-over

These benefits directly enhance operational safety and dynamic performance.

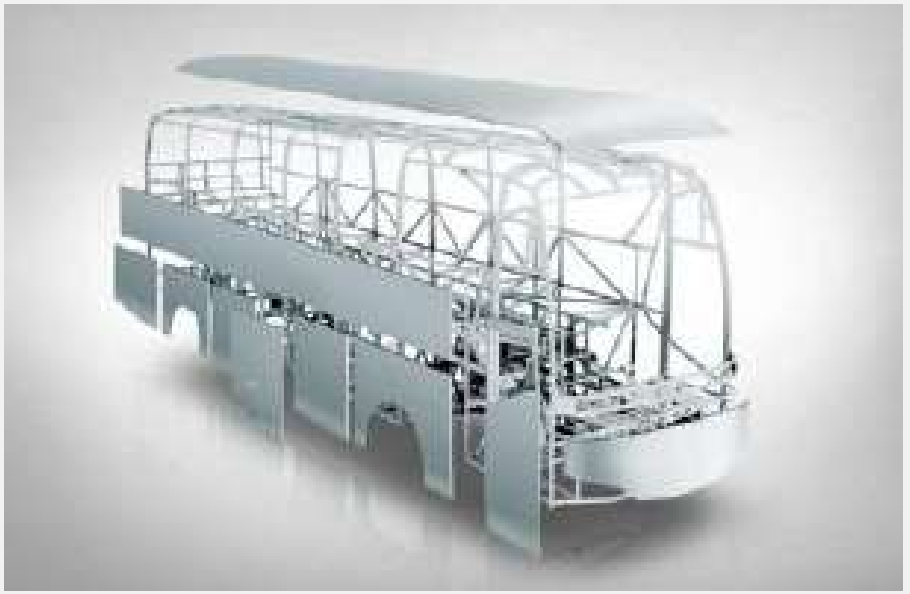
2. Higher thermal insulation and durability
Composite panels provide:

- High thermal and acoustic insulation
- resistance to weathering and infiltration
- Longer life expectancy of the bodywork against metal structures

The result is a more comfortable, long-lasting vehicle with higher residual value.



3. Easier maintenance with less expenses
Modular side panels allow quick, localized replacements, avoiding extensive repairs on the entire vehicle side.
This approach reduces downtime, repair costs, and operational complexity.



Testing

Enhanced energy efficiency

Improved insulation and lightweight minimize:

- HVAC demand
- overall energy consumption (electric or thermal)
- operating costs in urban cycles

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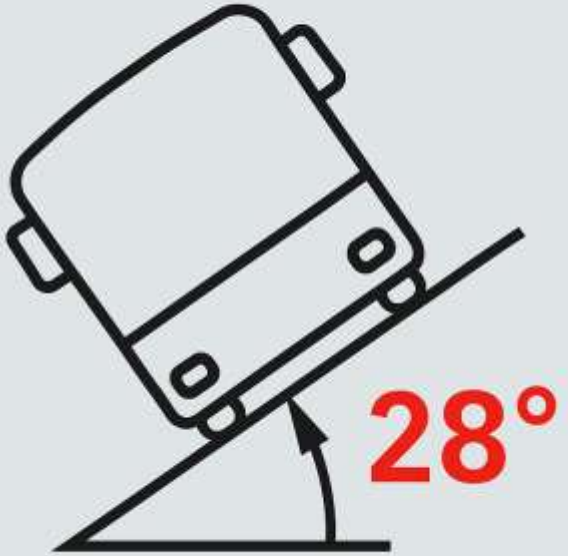
Quality guaranteed, with advanced testing

Each vehicle performs:

- Stability testing (28° tilt)
- Progressive assembly inspections
- Multilayer structural checks

Ensuring high safety standards and long-term reliability.



Interior Panels and Flooring

Interior cladding and flooring are made of PP composite honeycomb panels designed for maximum structural efficiency and long-term durability. This technology ensures reduced weight, high stiffness and excellent mechanical resistance, contributing to improved stability, energy efficiency and overall vehicle longevity.
The panels are waterproof, dust-resistant and highly resistant to deformation, ensuring reliable performance even after years of intensive use.
Their fire-resistant properties, certified under the European R118 standard, guarantee compliance with passenger transport safety regulations.
Thanks to their composite structure, the panels reduce maintenance costs and extend the vehicle's operational lifecycle, making them an ideal solution for fleets requiring high performance, reliability and long-term cost optimization.

Lighting Systems and On-Board Electronics

HELLA Lighting System
German Reliability for Superior Safety

✓ **Hermetic sealing**
HELLA lamps are designed to prevent water infiltration even under extreme conditions, ensuring that lighting performance remains unchanged over time.
✓ **Oxidation resistance**
The materials and manufacturing processes employed ensure that surfaces do not undergo corrosion or yellowing, preserving long-term quality and safety.
✓ **Durability and consistent performance**
The high quality of the optical components guarantees a long operational lifespan, reducing maintenance costs and replacement frequency.
✓ **Certified international standards**
The headlamp units comply with European and international standards for safety, brightness, reliability and environmental resistance.

The Actia CAN system and instrument module offer stable, reliable communication resistant to electromagnetic interference.

Advanced Powertrain Technologies

Wisdom buses are equipped with state-of-the-art electric powertrains, engineered to deliver outstanding performance, efficiency, and long-term reliability across all urban and interurban operating scenarios**.** The vehicle platform is compatible with multiple global e-powertrain suppliers, allowing operators to select the optimal configuration for their specific service requirements.

- **Available Premium Powertrain**

Options Wisdom offers a complete range of high-performance electric drive systems from world-class manufacturers**:**

✔ **Siemens – High-Efficiency**

Electric Drive Powerful, smooth and highly responsive propulsion. Output ratings up to 350 kW for BEV models and 450 kW for Fuel Cell versions. A benchmark solution for next-generation hydrogen and high-end electric vehicles

✔ **Dana TM4 – High-Torque & Heavy-Duty Applications**

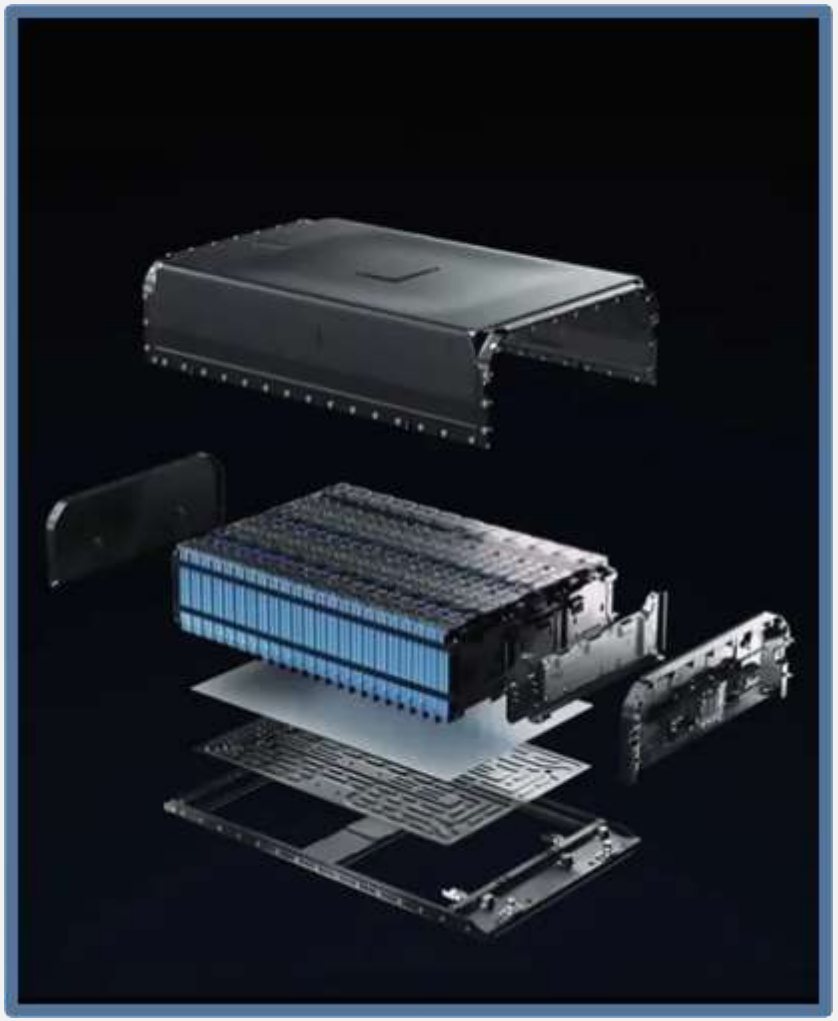
High-density synchronous electric motors. Nominal power levels up to 195–250 kW Ideal for 12-meter buses. Proven durability in demanding, continuous-operation environments

✔ **Magelec – Dual-Motor & High-Torque**

Performance Available in single or dual-motor configurations. Combined power outputs reaching 310 kW. Optimized for rapid acceleration and consistent traction. Widely adopted in mid-buses and shuttle platforms

Battery Systems – Characteristics and Performance

Wisdom buses are equipped with CATL battery systems, globally recognized for their reliability, high energy density, and advanced safety standards.
The available configurations range from 114 kWh up to 528 kWh, allowing each vehicle class from compact 6 meter units to full size15 meter buses to be optimized for its operational profile.
Technically, the batteries employ high-efficiency cells combined with active thermal management and multi-layer high-voltage protection systems.
This ensures stable performance, enhanced safety, and consistent operation even under extreme temperatures or demanding stop-and-go cycles typical of urban environments.
The operational performance of the battery platform includes: Driving range up to 500 km, depending on model and configuration. EU-standard charging interfaces, supporting both slow and fast charging modes. Low degradation over time, ensured by advanced thermal management and optimized EMS control. High operational reliability, contributing to reduced maintenance requirements and a lower Total Cost of Ownership (TCO). These features make the Wisdom BEV platform particularly suitable for high-frequency urban and interurban services, providing operators with predictable costs, long-term efficiency, and excellent environmental performance.



Fuel Cell Systems – Characteristics and Performance

Wisdom's hydrogen range integrates Weichai–Ballard 110 kW fuel cell stacks, based on state-of-the-art PEM technology. This enables high electrical efficiency, rapid cold-start capability, and stable output under continuous load conditions.

The fuel cell system is paired with ILJIN 70 MPa composite hydrogen cylinders, offering a total capacity of 44.4 kg of hydrogen. These tanks combine lightweight construction with exceptional structural resistance, ensuring maximum safety and durability throughout their service life.

Performance advantages of Wisdom's FCEV platform include: Real-world driving range up to 700 km, ideal for mid to long distance routes. Refueling times of only a few minutes, comparable to diesel operations. Zero emissions, releasing only water vapor.

High operational resilience, maintaining strong performance even under heavy load or on demanding gradients (up to 25%).

The integrated Fuel Cell + CATL battery hybrid architecture further enhances performance: the fuel cell provides continuous power, while the battery supports peak loads, improves acceleration, enables regenerative braking, and extends fuel cell lifetime by reducing stress during high-demand phases.

Wisdom Seating Systems
Comfort, Safety & Customisation

Wisdom designs every bus with passenger comfort as its starting point. The driver's area is equipped with a premium ISRI seat featuring pneumatic suspension, a three-point safety belt, and active protection systems, ensuring optimal ergonomics and stability even on long routes. For passengers, the seating offering adapts to the intended service. Urban models feature the CS series, designed to be lightweight, durable, and resistant to daily wear, with optional padding and customizable finishes.

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Tourist and intercity vehicles, on the other hand, are fitted with high-comfort seats from FAINSA and SEGE, distinguished by reclining backrests, ergonomic cushioning, and armrests, providing a more relaxed and refined travel experience

Completing the range is a wide selection of fabrics, colors, and fire-retardant materials, allowing operators to harmonize interior styling while meeting functional and aesthetic requirements. Flexible seating layouts make it possible to configure the cabin for urban, school, interurban, or long-distance services, always ensuring the right balance between comfort, safety, and everyday usability safety and durability throughout their service life.

NMU City Roaming
Via Scipione dal Ferro 4,
40138 Bologna (Italy)
P.I. IT 08129101211

For more information and quotation requests, please contact

info@nmu-gs.com

NMU is Wisdom's technical and commercial partner for the European market.