



CIVITY TRAINS

ADAPTABILITY in Motion

BESPOKE TRAIN SOLUTION



COMMUTER AND REGIONAL TRAINS

Mobility needs continue to evolve. At CAF, we help operators and transport authorities meet these changing demands by delivering more efficient, reliable and attractive rail services for passengers. Our Civity platform has been developed to address these needs. Designed for regional and commuter services, its modular architecture allows

each train to be tailored to the specific requirements of every operator, offering flexibility in configuration, interior layout and performance. By combining proven technology, passenger comfort and operational efficiency, Civity delivers a reliable solution that supports today's transport networks while being ready for the mobility challenges of tomorrow.



By combining passenger comfort and operational efficiency, Civity also delivers strong value for operators. Its modular design maximises capacity while optimising lifecycle costs and ensuring outstanding reliability throughout the vehicle's service life.

COMMITTED TO SUSTAINABILITY

The Civity platform helps operators deliver reliable, efficient and lower-emission rail services. By integrating eco-design principles throughout the engineering process, we reduce environmental impact across the vehicle's entire life cycle.

RECYCLABILITY AND RECOVERABILITY

Civity manufacturing materials are specifically selected for functionality and technical requirements, as well as ease of end-of-life vehicle dismantling and recyclability. Our verified EPD® (Environmental Product Declaration) confirms a recyclability rate of almost 94% for the CIVITY platform.

ENERGY EFFICIENCY OPTIMISATION

Advanced aerodynamic design, weight reduction techniques, efficient electrodynamic braking system, maximising the number of seats per unit and Driver Advisory and Energy Management Systems are all key to optimising energy consumption.

REDUCING ENVIRONMENTAL IMPACT

The use of modular and standardised solutions ensures the Civity family achieves high levels of component reliability and durability, resulting in a lower cost and consumption of maintenance materials.

The Civity's vibration and noise emissions are minimised to avoid negative impact on the ecosystem. CO2 emissions comply with the latest environmental standards.



PRIORITISING HEALTH & SAFETY

We place safety at the heart of the Civity platform. Through rigorous engineering, testing and approval processes, we help operators introduce new fleets into service quickly, safely and reliably.

The Civity family's extensive equipment and systems include:

- Air purification systems.
- LeadMind: real-time data monitoring (early warning of incident risk and capacity control).



- Command and control system: self-diagnostic, featuring failure registration.
- Passenger information: PA system, intercom system between cabs and emergency cab intercom system and video information via TFT monitors/LED displays.
- CCTV.
- Event recorder.
- Systems adapted to extreme weather conditions.
- Crash energy absorption integrated in cab ends.
- Driver fatigue detection.
- Overspeed protection.

BUILT-IN FLEXIBILITY

Civity is the perfect solution for customers seeking a train fleet with high passenger capacity. The modular design allows operators to quickly and simply adapt the configuration by adding intermediate cars, from 2 to a maximum of 10.

Depending on the service to be provided, regional and commuter trains can be equipped with a variety of features. For example, the amount of doors can be adapted to enable rapid and easy boarding and alighting for all passengers, including those with reduced mobility.

BUSINESS AND ECONOMY CLASS ZONES

Civity trains can include business and economy class cars. Alternatively, a single car can be configured into business and standard class zones, with sliding doors dividing the sections.

MULTI-PURPOSE AREA

The Civity's central module can be fitted with:

- Cafeteria / vending machines.
- Children's play areas.
- Modules for sports equipment: bicycle or ski racks.
- Standard or accessible toilet facilities.
- Wheelchair areas.
- Seating or standing areas.
- Designated areas with information points, etc.





THE ULTIMATE ONBOARD EXPERIENCE

We designed the Civity platform to enhance the passenger experience, combining a modular architecture with a low-floor design to maximise space and provide open gangways for easy boarding and smooth passenger flow.

Saloons are equipped with tables, reading lights, attendant call buttons, seat reservation systems, courtesy lights, blinds and luggage racks. Heating and air conditioning systems ensure maximum comfort.

Comfortable seats - with fold-down armrests, waste bins, magazine racks, power sockets, laptop table in the backrest, footrests and handholds - and large windows enable travellers to relax or work while enjoying

their journey. The number of doors can be customised to facilitate rapid boarding and disembarking, guaranteeing a punctual service.

The Civity is equipped with interior TFT monitors and LED information displays to keep travellers informed about the route and other essential details such as arrival times, next stops and connections. A WiFi service is available for passengers to access the Internet on their devices while travelling.

Ergonomic, and with clear, all-round visibility, the driver's cab is fully-equipped to provide a comfortable working environment.

DESIGNED FOR EVERYONE

Civity trains comply with PRM Technical Specification for Interoperability, offering excellent accessibility for all passengers including those with visual or hearing impairments, reduced mobility and wheelchair users. The central area of each car can be configured to provide designated wheelchair areas and accessible toilets.

A CIVITY FOR **EVERY NEED**

The Civity family of trains are in operation around the globe, with more than 840 units currently delivered.



CIVITY XL

Equipped with extended modules to provide an enhanced passenger capacity, the Civity XL achieves high levels of efficiency through optimising energy consumption per passenger.

CIVITY BEMU

Civity BEMUs are battery-powered vehicles designed to run on non-electrified track and able to recharge the batteries when operating under a catenary.

CIVITY DUO

Civity Duo is our double-deck train fitted with seats across the two floors. The 2+2 or 2+3 seating configuration significantly increases passenger capacity, creating a lower operating cost per traveller. Users enjoy maximum levels of comfort with spacious seats and enhanced external views.

CIVITY NORDIC

The Civity Nordic is designed to withstand extreme cold weather conditions from -40°C to $+40^{\circ}\text{C}$.

CIVITY UK

Civity UK is adapted to British requirements including UK-specific regulations, train gauge, floor height, low Variable Usage Charge, ARIN bogies and signalling and safety systems, while delivering the same user comfort.



TAILORED FOR EVERY OPERATION

The Civity platform features trains with different types of traction based on the single concept of a modular, low-floor vehicle.

Electric multiple unit (EMU)

Diesel-mechanical, diesel-hydraulic or hybrid (DMU)

Diesel-electric, bi-mode or hybrid (DEMU)

Battery electric multiple unit (BEMU)

Hydrogen electric multiple unit (HEMU)





BATTERY AND HYDROGEN TECHNOLOGY

As rail continues to decarbonise, diesel trains are being replaced by battery, hydrogen, hybrid and bimodal solutions, helping operators reduce emissions while maintaining operational flexibility.

We offer both battery-powered and hydrogen trains to help operators decarbonise non-electrified routes with zero-emission solutions tailored to their operational needs.

In addition to their environmental benefits, these trains reduce the need for line electrification, lowering infrastructure costs while providing a quieter and more comfortable onboard experience.



HEADQUARTERS

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