




**FULL ELECTRIC**  
**the new paradigm of**  
**heavy-duty vehicles**



A pair of hands is shown from the wrists up, cupping a glowing, translucent Earth. The Earth is the central focus, showing continents and oceans with a bright, ethereal light. The hands are positioned symmetrically on either side of the globe. The background is a deep, dark purple space filled with numerous small, bright white stars. The entire image is framed by a large, stylized 'L' shape on the left and right sides, composed of a teal-to-purple gradient bar.

*"Sustainability is the value that leads our way. Over the years, my family, collaborators and I have built a solid foundation we can rely on to face new challenges, while respecting the environment and protecting future generations. In the past, people would have smiled at the thought of heavy-duty vehicles that don't make noise, don't consume fuel, and run on 100% clean energy.*

*But today, this is very common, thanks to our commitment and choices. LC3 is more than a company for me. It's a border to be crossed every day driven by the values we have always believed in: sustainable technology, consistency, and results. We have travelled millions of kilometres using alternative and renewable energy sources. Now, it's time to take on new challenges, looking into the future on board the first 100% electric engine."*

**Michele Ambrogio,**  
**Operations Director - LC3 Trasporti**



**City BEV**  
regional transport



**Long-haul**  
medium-long range

# Electric freight transport: **Efficiency and Sustainability Tailored**

The adoption of electric vehicles in long-haul transport represents a concrete opportunity to eliminate on-site emissions and improve the sustainability of corporate logistics. Thanks to multiple and customizable charging solutions, energy savings and environmental impact reduction **can be optimized according to customer needs and charging infrastructure management.**



## **Customer In-House Charging:**

Zero Environmental Impact with  
Elimination of Empty Kilometers

When charging is managed directly by the customer using renewable energy sources, **transport achieves a 100% reduction in Well-to-Wheel (WtW) emissions**, completely eliminating CO2 emissions. **If combined with in-house on-site charging, it also ensures the additional benefit of eliminating empty kilometers.** This solution allows freight transport to be integrated into a corporate sustainability strategy, **reducing the carbon footprint across the entire supply chain** and optimizing any internal green energy sources within the company.



**Zero On-Site  
Emissions**



## **Charging Managed by the Transport Provider:**

Emission Elimination Varies Depending on the  
Adopted Solution

If charging is provided by the transport operator, the environmental impact varies depending on the energy source used:

- **Renewable Energy (Green Energy):**  
100% WtW reduction, delivering zero-emission transport.
- **Mixed or Fossil Energy Sources:**  
100% Tank-to-Wheel (TtW) reduction and partial WtW, in the latter case proportional to the share of sustainable energy used.





*A unique additional advantage over internal combustion engine solutions:*

### **ZERO NOISE**

This aspect may seem secondary, but it is critically important for all operations involving service missions in urban areas or the outskirts of populated centers. Combined with on-site zero emissions, this transport system completely removes restrictions on the use of heavy transport in urban or nearby areas.

This variety of solutions and advantages allows companies to explore the best use for their specific needs, tailoring electric transport to their operational requirements and internal characteristics, while significantly improving the environmental and social impact of their activities.

***Choosing electric means investing in the future: reducing pollution, enhancing social sustainability, and increasing energy efficiency are all pieces of the puzzle that make up a more sustainable freight transport model—already aligned with European targets today.***

# How do you drive ?

## LC3 invents the SMART DRIVER concept.

We support a new generation of trained, responsible transport professionals. Now that electric motors are so common, drivers must acquire new skills through specific courses. Drivers must get familiar with the new start-up torque and braking methods. Even driving habits, like recovering energy during deceleration or warming up the vehicle, are totally different. A new mindset is needed to use BEVs. This new approach is called “predictive” driving, which consists in planning the duration and logistics of a journey. Drivers of full-electric vehicles must plan to go back to the charging point before leaving for a second tour on the same day (if that was planned).

***A new way of travelling.  
A new way of driving.***





# Welcome to the city.

## LC3 introduces the **NO LIMITS** heavy-duty proximity transport.

Driving vehicles across the city, including LTZs, allows drivers to transport and deliver large amounts of goods, even perishable ones, to facilities that need daily supplies, like the mass retail sector.

Thanks to nitrogen refrigeration technology, heavy-duty electric transport can silently reach city centres without polluting.

***The FULL ELECTRIC  
system changes  
the paradigm***



# The transport supply



**No  
noise.**

**100%  
sustainable.**



# Preparing for 2030.

# and be ...

**FULL ELECTRIC VEHICLES** allow us to take a step forward towards sustainability.

A journey we started in 2010 as pioneers of sustainable heavy-duty transport and consolidated in 2015 during the COP21 convention, where LC3 represented Italy. The “Conference of the parties” produced the first international environmental treaty combatting climate change.

**In 2020, we paved the way for a better future that is approaching fast and demands measurable and memorable results.**

**B.E.S.T. 2030** is a programme that will lead us towards a major milestone: helping protect the planet by reducing the environmental impact of heavy-duty vehicles.

Today, our commitment finds full expression in a mission that makes us major players in this global challenge.

**The Climate Pledge** is a global project involving over 300 major international companies and organisations, including LC3, to reach zero CO2 emissions by 2040, 10 years ahead of the Paris agreement.

**For a world on a human scale.**

*By taking part in the EU's mission, we're now committed to the environment forever.*

**Getting to 2040 with  
zero emissions.**



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