




FULL ELECTRIC
the new paradigm of heavy-duty vehicles



“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 Ambrogi, President of LC3.



***The first industrial
battery electric vehicle (BEV)
on the road since 2021.***

The silent fleet



***No more combustion.
No more fuel.***

What it looks like.

The vehicle has an autonomy of about 250 km.

It's ideal for short-distance journeys to connect peripheral loading areas to urban centres without polluting emissions. Its dimensions and weight/power ratio ensure top performance thanks to a three-axle chassis housing an electric motor with 230 kW (313 CV) continuous power and 295 kW (401 CV) peak power. The double-temperature cold box housing 23 Euro pallets and refrigerated with liquid nitrogen allows the truck to transport goods at a controlled temperature, eliminating CO2 emissions, particulate matter, and NOX emissions. Energy-management software adjusts consumption in real-time based on the load, optimising the distances travelled. These vehicles are charged at a specific station to ensure durability and reliability. The ideal charge level is at least 80%.

No tank.
No fuel.
No combustion.

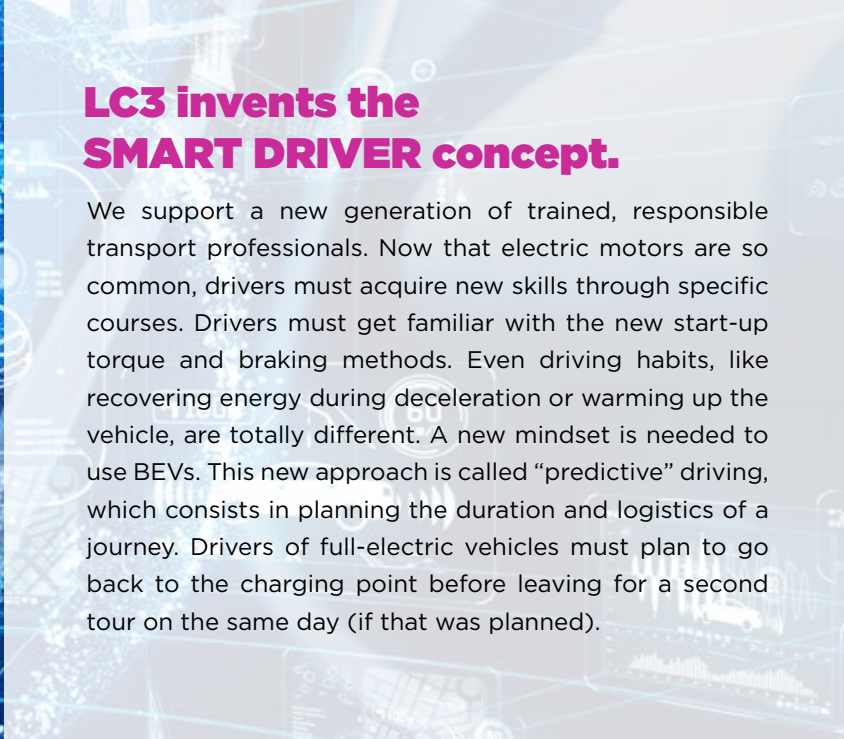
Electric propulsion ensures a new safety standard.

**What's not there
cannot be broken.**

*No belts, lubricators, and parts subject to mechanical wear.
Electric vehicles drastically reduce downtime,
maintenance operations and replacements of worn components.*



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



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).



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



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.

**getting to 2040 with
zero emissions.**

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

The image is a composite graphic. In the upper left, a monarch butterfly with orange, black, and white wings is shown in flight. To its right is a lush green tree with a thick trunk. The base of the tree is positioned on top of a blue and white globe, which has some glowing points on its surface. The entire scene is set against a dark blue background with several out-of-focus light spots, creating a bokeh effect. A semi-transparent dark blue rectangular box is centered over the tree and globe, containing the text.

**Full-Electric vehicles: the transport system
for future cities.**



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