



V-ERA, the race car from the future.

Turin, 27th March 2024

It's called V-ERA, the new sports car created by **E.G.S. LobArt** and designed by **CAMAL Studio**, a revolution in both technique and style capable of bringing the future even among racing enthusiasts.

E.G.S. - LobArt S.r.l.

Directed by **Stefano and Giacomo Lo Bartolo**, E.G.S. - LobArt traces its origins back to 2014, merging the legacy of their father, Giovanni Lo Bartolo, founder of E.G.S. in 1992 (with extensive experience in F1 and Le Mans), and **LOBART AUTOMOBILI**, founded by the two brothers in 2008. This merger resulted from profound professionalism gained through their father's company and several major international entities.

The combination of **technical department** and modern **production facilities**, both in the automotive and aeronautical fields, has enabled the creation of highly technical **carbon fiber** components with increasingly reduced lead times. The **dynamism and speed of the production cycle** through every phase have allowed E.G.S. LobArt to establish itself over time as a high-level supplier for automotive manufacturers and large industrial groups, with facilities in Robassomero and Sala Bolognese.

CAMAL S.r.l.

A modern design studio founded in 2008 by **Alessandro Camorali**, who had previously worked with renowned brands and design centers in the history of Italian car design. **CAMAL Studio** boasts a young team of designers and virtual modelers capable of interpreting every need of clients in the ideation and realization of special projects, limited series, and unique vehicles in the automotive field and beyond. Since 2018, through the **CAMAL STILE** design firm, it has been designing its own creations and has become part of the Turin coachbuilding scene, producing one-off cars for private clients and industry companies.

INTRODUCTION

The LOBART V-ERA presents itself to the racing world and car enthusiasts as an innovative project, a **technical and stylistic laboratory** to explore and introduce new languages and engineering solutions in the industry.

Designed and manufactured in the establishments of **E.G.S LOBART**, between Robassomero (To) and Bologna, signed by the Turin-based **CAMAL STILE**, the project and design represent a statement of intent, a new way of presenting expertise in the creation of unique, limited series cars with great technical content.

DESIGN

The design of the car is signed by **CAMAL STILE** and comes from the TEST/1 concept shown by CAMAL Studio in the summer of 2023, exploring a new and original interpretation of it.

Compared to its precursor, the V-ERA in fact has no roof, shares no technical or layout aspects, and belongs to a different category.

The character in common between the two projects undoubtedly remains the style, the innovative imprint in shapes and radical in contents.

Sharp lines and sculptural volumes are alternated with exposed mechanical parts, aerodynamic profiles and more organic shaping create the right mix of strength and futurism.

Through a central "**rocket shape**" area, open and more sinuous than the rest, the wedge-shaped body of the car defines streamlined transitions, using sharp sections and large openings that are necessary to reduce weight and channel heat.

The square, dominant front fenders reveal the tire through a vent fin at the top. On the side, a **stylistic bridge between the wheels** creates a large opening for air aspiration, while at the rear the tire is partially uncovered.

An innovative splitter, a performance wing and a technical diffuser complete the practical and technical look necessary in the reference category. From the top view, the shape of the "rocket" cabin is clearly recognizable, starting from the front and ending in a cylindrical form in the rear, housing both the driver and the powerplant in its internal volume.

The interior is exposed and essential, **light in components and accurate in form**, framing dampers and instrumentation in a technical way.

ENGINEERING

Created as an **engineering experimentation laboratory**, the V-ERA project aims to test sports driving in road conditions by **simulating** and developing innovative solutions for optimizing **vehicle dynamics** from the earliest stages.

Aimed at the premier class of uphill speed racing, the sports car allows E.G.S. - LobArt to catalyze its "**creative**" **engineering** as a real-life field of application for testing new construction techniques, a know-how later transferred to the production of **serial products** for the automotive industry, in the pursuit of **quality, resistance and performance**.

TECHNIQUE

FRAME:

- Carbon fiber **monocoque** and aluminum HONEYCOMB
- Anti-crash **nose** in carbon fiber and aluminum HONEYCOMB
- Front and rear double wishbone **suspension**
- Third element front and rear
- HEWLAND FTR **transmission** (6-speed sequential+reverse)
- HEWLAND Powerflow **differential**

ENGINE:

Derived from the HONDA K20, the naturally aspirated inline **4-cylinder** has been converted to **turbocharged**, reaching **630hp** and almost totally nullifying turbo-lag levels in order to maximize its cornering response.

AERODYNAMICS:

Due to its wedge-shaped styling and very clean surfaces, the aerodynamic response of the body reaches higher levels than other cars in the segment. The use of an **adjustable front splitter** and a **movable wing at the rear** help a much higher performance car setting as needed. The aero package, complemented by a flat bottom and a specially designed diffuser, is capable of developing an **aerodynamic load of 1150 kg at 200km/h**

CONSTRUCTION AND CARBON:

The V-ERA was designed and built primarily to compete in the Northern European mountain speed championship.

The wheelbase of only 2550mm and **torsional stiffness at over 10000 dN/m°** allow agility and precision driving on the twisty Swiss/German roads.

The **low weight** of only **570kg** was achieved by employing aircraft-grade lamination technologies, decreasing the **thickness of the bodies to only 0.4mm of carbon fiber**.

CATEGORIES:

The car is homologated for races:

- FIA group CN
- FIA group 2B

For "track day" versions v8, v10 and v12 engines are available to be mounted.

TIME AND COST:

A LOBART V-ERA can be purchased and configured from E.G.S. - LobArt S.r.l.

Construction time is a couple of months while the cost is around 150,000 euros (engine not included).

LOBART V-ERA is a sports car aimed at racing, a virtuosity of style applied to technology in which the future in form marries engineering innovation, rewriting the industry standard, marking a clear line between itself and the competitors.

You can find more information about the **E.G.S. LobArt** at.: www.egs-lobart.com

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