

THE MOST SUSTAINABLE TEAM AT RALLY DAKAR

DAKAR 2024

astara



COMPETITOR



astara
TEAM

iHi there!

We welcome you to the **astara Team**. A competition team born three years ago with the shared goal of becoming agents of change by competing in the world's most challenging rally without damaging the environment.

We are back to the greatest challenge in motorsport, the Dakar Rally, with a unique team, the idea to keep learning from the experience, and an eagerness to improve through the effort and talent of our team. Proving, once again, that technological expertise and competition at the highest level are by no means incompatible with respect for the environment and diversity.

Follow us at [@astaramobility](https://twitter.com/astaramobility) and with the **#astaraTeam** hashtag to stay up to date.



**This is
astara Team
Dakar 2024.**



astara Team

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We are “The Open Mobility Company”

We are a company, with a human-to-human approach, committed to sustainability. **Paving the future of mobility, we offer the best customer experience, and understand the importance mobility has on peoples lifes, and its everchanging nature.**

HOW?

Thanks to the **astara platfrom and data intelligence** which pushes us to improve the way people move.

OUR OBJECTIVE?

To **help people follow their instintc to move intelligently.**
As a global mobility company, we help **millions of people and companies to choose how they want to move**, in a more open, personal and sustanable way.

DEMOCRATIZE MOBILITY

19
COUNTRIES

38
BRANDS

+3.000
PEOPLE

+50
NATIONALITIES

OUR SOLUTION?

BEING “USER-CENTRIC”

HOW WOULD YOU LIKE TO MOVE?

SUBSCRIBE

Pay a monthly fee for the car you like the most, without worrying about anything else.

SHARE

Enjoy a car for minutes, hours or days instanly without having to rent or buy it.



BUY

We bring you closer to dozens of brands and offer different buying options to make the vehicle you like the most your own.

ADVISORY

Technology and data to redesign the mobility of the future. Creating efficient and sustainable solutions as the main focus.

More than a PROJECT

The participation of the astara Team started in the 2022 as a long term journey.

This year we return to the greatest challenge in motorsport, the Dakar Rally. Once again, we are betting on a **lightweight vehicle powered by synthetic fuel and assert our commitment to measuring and auditing our carbon footprint**, as done in the past edition.

Laia Sanz-Maurizio Gerini, Patricia Pita-Paolo Boggioni y Óscar Fuertes. Two pilots, two copilots and one manager make up a team of more than 30 people with a single challenge: the adventure of the Dakar Rally.

At astara, we aspire to lead the transformation towards the mobility of the future and the Dakar is the perfect stage to achieve this. It allows us to test each and every value that defines us: **passion, generosity, daring, innovation, team spirit, capacity for adaptation, working together** to overcome problems and learning each step of the way.

THE TEAM

astara Team 2024

LAIA SANZ MAURICIO GERINI

Laia Sanz, at 37 years old, is an undisputed off-road icon, particularly in the challenging Dakar Rally. Originally from Spain, this pilot has left her mark on the competition, making her name synonymous with perseverance, and success in a male-dominated sport.

In the Dakar 2024, Laia Sanz will enter her 12+2 participation with a clear objective: improve her position and demonstrate her worth in the car category. For the second consecutive year she will race with the astara Team, once again accompanied by **Maurizio Gerini** as her co-pilot. The Italian counts with a vast experience in two-wheeled competitions, having achieved his first international Rally win in 2019, at Transanatolia, in Turkey.



PATRICIA PITA PAOLO BOGGIO

Patricia Pita is a prominent 34-year old Uruguayan pilot, prepared to face one of the greatest challenges of her career, the Dakar 2024, with the astara Team. With an innate passion for motorsport, Patricia carries in her blood the legacy of her father, Jorge Pita, a Uruguayan champion and winner of the Codasur in 1999.

In her debut at the Rally del Atlántico in 2012, Patricia became the first Uruguayan woman to win a phase. However, her biggest dream has always been to participate in the Dakar Rally, which came true in the 2023 edition. This is her first year with the astara Team, and she will be accompanied by **Paolo Boggini** as her co-pilot. An enthusiast of off-road vehicles since a young age, he has competed in several seasons of the Atacama Rally, and a notable performance in the Dakar 2019 alongside Michelangelo Bertolla.



02 CONCEPT

astara Team

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The car is powered a zero-emission synthetic fuel and its the lightest in its category, weighing only 1.580kg thanks to its construction with lightweight materials and its mechanical simplicity. Making it the car that requires the least amount of energy to move. Moreover, its energy storage system, powered by synthetic fuel, **has the largest energetic density out of all the vehicles in the Dakar:** 10,752 kwh per liter.

With a multitude of new features related to the engine, design, gearbox, and suspension the **astara 02 Concept improves its performance with fewer emissions.**



The best posible solution to compete
in the Dakar at the highest level in a
sustainable way.

OUR TECHNOLOGY

We are the team with the smallest carbon footprint in the history of the Dakar.
Our Concept Cars emit up to 70% less CO₂ than any other competition vehicle powered by fossil fuels.

Synthetic Fuel

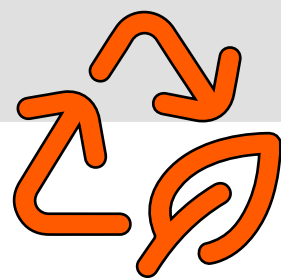


Liquid



Gas

what is eFuel?



Zero emissions

e-fuel or synthetic fuel is typically a liquid fuel obtained from renewable sources. In a competition like the Dakar, where the goal of the **astara Team** is to achieve the best possible result with the least impact on the environment, the team has found in this solution an ideal ally.

The high energy density of e-fuel ensures that the team has the necessary autonomy to tackle the extremely long stages of the Dakar without the need of extra stops and with offering the optimal performance level to be able to compete at the highest level.

It is referred to as a “neutral fuel” because almost all emissions from emitted during racing have been previously captured in its production phase. In the case of the astara Team, the emissions generated during the competition are subsequently offset to ensure carbon neutrality.

02 CONCEPT
TECHNICAL DATASHEET

Frame and Bodywork	Tubular with carbon fibre bodywork
Lenght, Width, Height	2.200 mm, 4.650 mm 1.750 mm
Wheelbase	2.980 mm
Weight	1.580 kg (40% front, 60% rear)
Suspensions	Front and rear double wishbone suspension, R53 three-way adjustable double piston shock absorbers (two ST60 in the front and four ST55 in the rear), with 400mm of travel.
Brakes	AP Racing, 343 mm brake discs
Wheels	17-inch forged Wheel Pro
Tyres	BF Goodrich 35x125R15 (front) 37x12.5R17 (rear)
Fuel Tanks	FIA FT3-1999, 2 x 240 liters of synthetic fuel
Stored Energy	5.161 kWh
Engine	2.9 V6 biturbo
Flange	38 mm
ECU	Motec M142
Power	298 kW at 5.000 rpm
Torque	620 Nm at 4.200 rpm
Gearbox	SADEV SL924 6-speed sequential gearbox
Clutch	CP7373 triple plate clutch by AP Racing

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MOVE
IT'S YOUR
RIGHT.