

Pfronstetten-Aichelau, December 06, 2023

World Altitude Record for the Space Drive System

As of this week, each PARAVAN conversion boasts a remarkable world record. The Space Drive System has demonstrated its exceptional suitability for high altitudes, showcasing its ability to navigate challenging terrains with scree, stones, and ice, as well as handle steep ascents and descents. This achievement was marked by a spectacular record drive up the world's highest volcano, reaching an altitude of 6,734 meters. PARAVAN extends heartfelt congratulations to Roman Dumas and the entire team for this outstanding engineering feat.



Utilizing the Space Drive Porsche 911 Carrera 4S, the team, led by Roman Dumas, ascended the western ridge of Ojos del Salado in Chile, setting a new altitude record at 6,734 meters. See the remarkable moment captured by Porsche AG in the accompanying photo.

The Porsche 911 Carrera 4S, affectionately named "Edith," carried racing driver Romain Dumas to the astonishing height of 6,734 meters above sea level on the western ridge of Ojos Del Salado in Chile, - the highest volcano in the world and a remarkable achievement and a world record on December 2. This historic feat signifies the highest altitude ever reached by a motor vehicle. Romain Dumas and his team faced extremely challenging conditions, with the air being only about half as thick as at sea level and temperatures plummeting to around 20 degrees below freezing.

Not widely known is the fact that the prototype of "Edith" underwent modifications at the Aichelau mobility forge. Here, PARAVAN experts installed the innovative "Space Drive" steer-by-wire system, developed approximately 20 years ago in the field of mobility for individuals with disabilities. This groundbreaking driving and steering system has empowered over 10,000 people with disabilities to enjoy independent mobility and social participation, making it a crucial technology for autonomous driving. The Space Drive system, with its detailed feedback, played a pivotal role in safely navigating the challenging and almost vertical slopes encountered by Romain Dumas' team in rough terrain.

Congratulations to Romain Dumas and the entire Porsche team! PARAVAN and all our customers are celebrating with us today - because every one of our converted Space Drive vehicles now also contains a little piece of the world record!

PRESS RELEASE



A true test for man, machine, and technology, the Porsche 911 Carrera RS equipped with Space Drive triumphed over the challenges posed by Ojos Del Salado. See the triumphant moment captured by Porsche in the accompanying photo.



Numerous obstacles, including extreme inclines, were conquered by the Porsche 911 Carrera RS equipped with Space Drive, thanks to the electronic steer-by-wire steering and portal axles, providing a ground clearance of 350 millimeters and large off-road wheels. View the challenges overcome in the photo by Porsche.



The prototype of Edith also spent dedicated time in the Aichelau mobility forge, where the Space Drive system was seamlessly integrated. Photo: PARAVAN



A testament to the synergy of man, machine and technology, the Porsche 911 Carrera RS equipped with Space Drive has successfully conquered the Ojos Del Salado. Photo Porsche

Contact:

Anke Leuschke, Spokesperson, Paravan GmbH,
Tel.: +49 7388/ 99 95 81, E-Mail: anke.leuschke@paravan.de

About Paravan GmbH:

PARAVAN GmbH is the world market leader for highly customized vehicle solutions for the disabled. Around 180 employees at the Pfronstetten Aichelau site and the Heidelberg branch develop and produce individually adapted car conversions, power wheelchairs and even specialized driver training PARAVAN takes a holistic approach with its "one-stop shop" concept. The technological highlight is Space Drive, an intelligent digital control system based on the drive-by-wire principle. Thanks to the active redundancy of the servomotors, it is completely fail-safe and the first with road approval. This innovation enables severely disabled people, some without arms or legs, to drive independently and safely. It is not possible for these drivers to simply intervene in the steering wheel. Space Drive has proven itself on over a billion kilometers of roads worldwide over the past 20 years and is used by numerous industrial customers for test vehicles in the field of autonomous driving. The system is available as a retrofit kit with an open interface for all known vehicle types. www.paravan.de