

The ECODRIVE mode reduces wear and energy consumption of the ropeway by automatically controlling its speed according to its rate of use.



- ▶ up to 20% energy savings*
- ▶ up to 12 tons of CO₂ saved per year per chairlift*
- ▶ optimized vehicle loads
- ▶ in-ride comfort
- ▶ customisable according to needs
- ▶ increased availability amongst operators
- ▶ 18 ropeways equipped with ECODRIVE so far
- ▶ in operation since 2018

Compatible ✓ new ropeways ✓ existing ropeways

*compared to with equivalent chairlift without ECODRIVE technology



DESCRIPTION



Embedded in the aerial ropeway operating room, the ECODRIVE mode enables automatic control of the ropeway speed : when there are fewer passengers, the speed slows down.

This control is determined to ensure in-ride comfort for passengers and an acceptable waiting time.

For the operator, it limits wear and generates significant electrical energy savings.

FEATURES & BENEFITS

There are 2 modes to automatically regulate the speed of the ropeway:

- according to the engine torque representative of the number of passengers of the line (standard offer).
- according to the waiting time: this mode uses a smart camera for greater energy savings (option).

The speed varies gradually, which makes the change almost imperceptible for passengers in line.

ECODRIVE is accessible in the PLC's HMI at the foot of the machine. Information on the number of passengers waiting in the queue or the occupancy rates of vehicules, as well as energy savings are displayed.

The ECODRIVE works automatically but the operator can regain control at any time, from the PLC HMI. The operator sets the activation ranges (speed and frequency) of the ECODRIVE according to their needs.

All the statistical data for monitoring energy savings thanks to ECODRIVE can be viewed using the SKADII digital portal for general supervision.

ECODRIVE offers a communication tool for customers on the reduction of energy consumption and the environmental impact in a more global way.

ENVIRONMENT

- ▶ SEMER design and manufacturing.
- ▶ Energy savings up to 20% through the automatic speed adaptation according to the rate of use, resulting in about 12 tons of CO₂ saved per year for a chairlift in France.
- ▶ Greater durability of components due to reduced wear at lower speed, which also allows reduces maintenance.

