



INNOVATION SERVING ENVIRONMENTAL RESPONSIBILITY: POMA SOLUTIONS IN SUPPORT OF SOBRIETY



Since 1936, POMA has never stopped innovating in urban environments as well as at the heart of mountain regions. This French company is a trailblazing creator of cable transportation solutions and has unfailingly risen to the challenges of its time, offering first-rate sustainable mobility solutions.

Because it is committed to reducing Man's environmental footprint, POMA channels the best of its innovation into a selection of evermore efficient, environmentally friendly products and services, offering low-environmental-impact mobility solutions in France and worldwide.

Let's take a look at the solutions POMA provides to promote soft, sustainable mobility.



► POMA TODAY: INNOVATING TO PROMOTE SUSTAINABLE MOBILITY

> CONSTANTLY AIMING FOR A LOWER ENVIRONMENTAL IMPACT

During the last edition of Mountain Planet, the international trade show for mountain professionals, POMA presented a selection of intensively tried-and-tested products and services: recently designed innovations or new, greener versions of existing products.

As part of an approach known as LIFE R'WAY (Low Impact For the Environment), the following areas of improvement are now under way: fewer raw materials, less energy in manufacturing processes, short supply chains, fewer consumables, reduced impact of building sites, products that can be recycled or upgraded at the end of their service life.

> NEW MODE BUILT INTO ECODRIVE SOFTWARE

At the Congress of French Ski Resorts, POMA presented a new mode built into the ECODRIVE software developed by SEMER, the group's electrical engineering and automated systems subsidiary. Already in service in some ten ski resorts since 2018, ECODRIVE can now be deployed remotely thanks to this new mode, leading to immediate energy savings of up to 20 % in some cases. The software regulates the speed of aerial lifts automatically based on the number of passengers, ensuring minimal energy consumption. It is 100 % configurable and lets you track energy savings via an interface with the SKADII digital services platform.

To cope with rising energy costs and support mountain professionals, POMA has made the decision to incorporate ECODRIVE into all the systems ready for operation as of winter 2022, at no extra cost for operators.

> POMA and MICHELIN LINERS

In the same vein, the new innovative liners co-developed with MICHELIN offer a low-environmental-impact and efficient solution throughout their life cycle. As well as offering a 100 % longer shelf life and a low rolling resistance generating energy savings of up to 10 %, these liners are made from 16 % bio-sourced materials, and that percentage is set to increase, with an ultimate target of 50 %.

Made in France by MICHELIN using a low-carbon manufacturing process, they represent a major lever for reducing carbon emissions. They will be available in the course of 2023.

> THE POWER OPTION - A SOLAR SOLUTION

For operators considering producing renewable energy, POMA has a solar-based solution. The POWER option constitutes a supplementary energy source, which involves installing

semi-rigid solar panels in place of the side glazing, integrated on the station covering on a surface specially designed to optimise the performance of the solar cells. In Serre-Chevalier on the Eychauda detachable chairlift, the solar panel installed on the roofing of the top station enabled an energy saving of 5 % in 2020.

The POWER option now available for the roofing of the new LIFE station is setting even higher standards, by increasing energy production by 28 % compared to the current covering. They are also "PV CYCLE" certified, meaning they have been approved by an international organisation that manages module end of life and recycling.

► SOLUTIONS ARE ALSO EMERGING IN THE FIELD OF RENOVATION

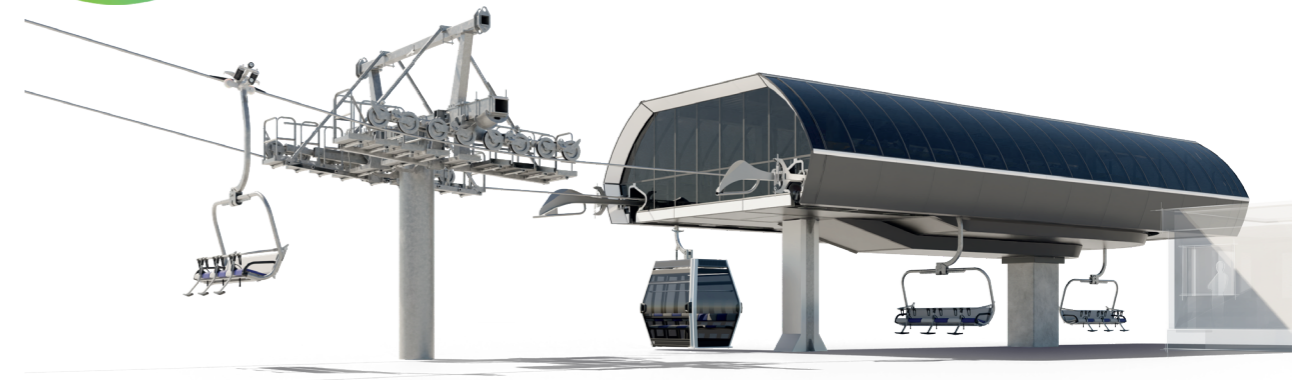
Transforming an existing installation, with various types of structuring operations depending on the objective, provides an opportunity to carry out an energy efficiency retrofit of the entire system. Other solutions are also available as part of an overall approach. They include switching to a DirectDrive® system which uses 6 to 8 % less energy and reduces sound levels by 15 A-weighted decibels (dBA), installing Endurance® roller batteries which need hardly any maintenance, opting for Michelin roller liners and doubling their shelf life while at the same time reducing the system's energy consumption by 6 to 10 %, producing renewable energy locally, and more...

A host of solutions to address energy challenges, available to all operators, at an affordable cost and leading to energy savings of more than 25 %!

► OBJECTIVE = GREEN BUILDING SITE

POMA has been ISO 14001 certified since 2009. It rolls out actions which promote environmental protection both on its building sites and in the course of its activities. For example, station pre-assembly operations have become standard practice, leading to better quality work and a reduced environmental impact on building sites.

From operation phasing to securing sensitive areas, all the measures taken are based on recommendations from environmental design offices, ecologists and nature and wildlife conservation associations. Respect for biodiversity, along with soil, water and air conservation, are priority criteria from the outset when it comes to managing on-site operations.



[More about LIFE R'WAY approach](#)

ABOUT POMA

With 85 years of existence and more than 8,000 transportation systems built in 90 countries, POMA is a world leader in ropeway transportation. Its sustainable transportation solutions transport 6.5 million people per hour. Present on five continents, POMA innovates and brings its know-how and expertise in ropeway mobility solutions to both urban and mountain areas, for tourism and industry. POMA's turnover was 332 million in 2021, including 50% from exports. POMA employs 1,300 people, of whom 820 are based in France at its various industrial sites: <https://www.poma.net/en>