

2023 MOUNTAIN PRESS KIT

POMA, IN THE HEART OF THE MOUNTAINS



POMA, SUPPORTING THOSE SHAPING the mountains of tomorrow

As we move into spring, POMA takes stock of the ropeway systems built this year as well as its upcoming projects. In France and worldwide, technological choices reflect strong trends in the sector, focused on creating harmony between the mountains, the ski industry, and beyond. Resorts are adapting to match the expectations of their customers, and POMA supports regions as they work to develop their four-season activities, providing innovative solutions for the mountains and all those who live in, visit and respect them.



► SUPPORTING MOUNTAIN RESORTS AND THEIR CHALLENGES

High-performance, fast, silent, eco-friendly and comfortable transport systems that blend seamlessly into their natural environment constitute POMA's technological solution, always adapted to guarantee they are perfectly fit for purpose. A supplier of state-of-the-art ropeway transportation solutions, as well as being a solid partner, POMA helps resorts rethink their overall development, supporting them as they do what it takes to remain attractive in all seasons while respecting the environment and promoting their region. One example is Telemix®, which has proved extremely popular among customers seeking a resolutely innovative solution.

Another major challenge, rethinking mobility to the peaks and in the heart of the mountains, constitutes a strategic focus that involves assisting ski resorts as they undergo a more profound transformation, becoming a true community and shifting from winter sports resorts to mountain resorts based on an eco-friendly model. Valley lifts and other peri-urban transport link-up systems play an important role in the overall approach to mobility in the mountains, ensuring the link between peaks, valleys and various high-altitude sites.

► ENERGY SOBRIETY, A DEFINING COLLECTIVE GOAL



The need to manage the ecological transition without delay is driving mountain professionals to act collectively to reduce their environmental footprint in both the short and the long term. Alongside operators, POMA is an established pioneer and leader in ropeway transportation systems **with the least environmental impact** throughout their entire life cycle.

At the heart of an innovative approach called **LIFE R'way**, POMA's commitment to making ropeway transportation increasingly virtuous translates into a selection of products and services that are even more **efficient and eco-friendly**, for a lower environmental impact.

All the technologies developed within the framework of LIFE R'way can be integrated into new installations as well as older machines. Options range from one-off **low-consumption** solutions, which can even be set up remotely, to the transformation of systems as part of more structural renovation operations. In every case, POMA offers its operator-customers the opportunity to combine **high performance and energy efficiency** with turnkey solutions.

Go to p.14 to find out more.

► TELEMIX® HAS THE WIND IN ITS SAILS

Fully committed to its operators and Mountain destinations, POMA offers transport solutions that promote and support ski resorts' **transition to four-season mountain tourism**. These solutions, such as Telemix®, diversify the use of aerial lifts so they are suitable for pedestrians, cyclists, first-time skiers, etc. **A solution that blends** into the landscape and incorporates the constraints of the mountain environment and its development perspectives.

The POMA Telemix® system is truly packed with innovations, combining the advantages of a chairlift (skiers keep their equipment at their feet for faster loading) and those of a gondola lift: child safety, ease-of-use for beginners and carrying of pedestrians both uphill and downhill, in winter and summer.

Go to p.4 to find out more.

► VALLEY LIFTS: RETHINKING MOUNTAINS AND ACCESS

More than just an aerial lift designed for mountain sports, the valley lift is a true low-carbon, **peri-urban public transport solution**. A link between the valley and high-altitude areas, this solution serves all of the region's stakeholders, both holidaymakers and locals. With extensive operating hours and the ability to carry people as well as merchandise, the valley lift is a **key system** with multiple objectives: improve and secure access to the resorts, reduce pollution by decreasing the number of cars, and increase the attractiveness of mountain areas **in all seasons**.

Go to p.8 for more information.

In addition to product expertise, POMA also supports resorts by employing a specific, customised approach to make each project unique.

The backbone of any skiing area, each ropeway now gives consideration to more than just mobility, to become **the signature feature of a given site or area**. Resorts are vying with one another to be the most innovative in order to make a good impression and **offer the best customer experience**. As a result, in addition to meeting technical and capacity requirements, serious thought is also given to the appeal of cabins, chairs and stations.



➤ LE DIABLE - LES 2 ALPES, FRANCE 6-6-seater Telemix®

From the foot of the slopes, the Le Diable Telemix® offers different types of access to the resort's ski runs, making it a **key system** at the heart of Les 2 Alpes' development strategy. This new Telemix® system, designed alongside the SATA Group, is particularly suitable for beginners, while also **providing easy access** to the most technical runs for experienced skiers. This transformation guarantees a **lower economic and environmental impact** through the **reuse of several equipment items**. For example, 84 of the 86 seats come from the previous chairlift, and most of the line elements such as roller batteries, walkways and yokes were also removed and reused.

➤ VALLEE BLANCHE - LES 2 ALPES, FRANCE

6-10-seater Telemix®

The SATA Group opted for a second Telemix to replace the existing chairlift **to meet the needs of all users** of the 2 Alpes resort, who are drawn to the popular Vallée Blanche sector. The ascent time of **5 minutes flat** is twice as quick as before, and the Telemix® system is suitable for everyone, with **easy loading** onto its 6-seater chairs and 10-seater cabins. This line is located between 1655 m and 2100 m, with a capacity of 2800 passengers per hour, in both summer and winter.



➤ LES SURES - AURIS EN OISANS, FRANCE

6-10-seater Telemix®

The Auris en Oisans Village Resort is linked to the large Alpe d'Huez skiing area. Located at the foot of the slopes in the heart of the beginners' area, the 4-seater fixed chairlift in Les Sures dating back to 1988 has been replaced by a new combination ropeway. Les Sures Telemix® now connects to the arrival station at the summit of Les Sures in less than 3 minutes, at an altitude of 1870 m, **comfortably and with guaranteed safety** for skiers of all levels, with its 6-seater chairs and 10-seater cabins.

➤ PALISADE TAHOE - BASE TO BASE GONDOLA (OLYMPIC VALLEY TO ALPINE MEADOWS BASE AREAS), UNITED STATES 8-seater gondola lift

The Base to Base Gondola in Olympic Valley, CA, is a rare installation in the North American market. Discussions around the idea to connect the Olympic base with the Alpine Meadows base have been in the works for more than 70 years. Today, the gondola connection makes Palisade Tahoe **the largest resort in California** and the third largest in North America. With 6,000 acres and access to 34 lifts, Palisades Tahoe provides endless adventure.

The Base to Base Gondola is two independent 8 passenger gondolas with a combed station at the summit of KT 22. A transfer conveyor can connect the two gondolas together for **combined operation** and pass the cabins between them. The connected ride between the two base areas is 2.4 miles and ride time of 16 minutes. Both units are powered with the Leitner Direct Drive system. 10 years in the making, The Base to Base Gondola represents one of the most challenging and iconic projects for both Leitner POMA and Palisades Tahoe. This is transformational addition to Palisade Tahoe's continued evolution.



➤ DÔME DE LA MINE - PORTÉ PUYMORENS, FRANCE

6-seater detachable chairlift

Porté Puymorens is a resort for all types of skiers. An attractive destination, it has opted to modernise its installations this year, replacing the La Mine fixed chairlift with a new 6-seater **detachable chairlift**, the Dôme de la Mine. Located in the iconic sector of La Mine, the highest and best-exposed part of the resort, this new ropeway transportation system is more comfortable and offers **increased capacity** (1490 people per hour) at a speed of 6m/s.

This new investment is a project backed by a consortium of several resorts and led by the Pyrénées Orientales regional council, with the aim of **boosting four-season mountain tourism**.

➤ AIGUILLE ROUGE - TIGNES, FRANCE

6-seater chairlift

The Tignes resort, the Société des Téléphériques de la Grande Motte and the Compagnie des Alpes are renewing the **structural link** between Tignes 1800 and Tignes 2100 and opting for a chairlift that matches customer expectations. The Aiguille Rouge chairlift offers greater comfort thanks to a **quick travel time** of 3 minutes (5.5 m/s), better capacity with 3000 p/h and **enhanced safety**, especially for carrying children. The chairlift is an integral part of an initiative undertaken by Tignes to promote **more sustainable tourism** in the mountains, which has also been endorsed by the "Flocon Vert" label.



➤ SAIRON - MORILLON, FRANCE

6-seater chairlift

Grand Massif Domaines Skiabiles is investing in a new 6-seater ropeway in the heart of its skiing area, to replace the Sairon CD4, built by POMA in 1986, which back then was the longest detachable chairlift in France! The new Cairo chairlift is **more efficient**, faster (travel time of 9 minutes) and more comfortable, especially during loading and unloading, thanks to new station locations and layouts. The Sairon detachable chairlift (CD) project, led by the Compagnie des Alpes, is also **more eco-friendly**: forest areas were preserved during its construction, and 6 towers were removed from the line. As for equipment, the system is operated by a quieter **Direct Drive motor**, which, combined with installation of **ECODRIVE** software, enables **optimum control of energy consumption**.

➤ CONCHE - CHÂTEL, FRANCE

6-seater chairlift

The Châtel resort and SAEM Sports et Tourisme are replacing the first-generation CF3 (fixed chairlift) in Conche with a detachable 6-seater chairlift that **combines comfort, speed and safety**, making it possible to reach the slopes and facilities of the Franco-Swiss mountain area more quickly. The last 6 towers and the last 250 metres of the line, which stretches over 2000 m in total, are located in Switzerland. Following the construction of the Pierre Longue CD6 in 2018 and the Morclan CD6 the following year, the Conche chairlift meets the resort's development challenges, with facilities designed **to guarantee a smooth flow of skiers** in the Super Châtel area, within a **preserved mountain setting**.

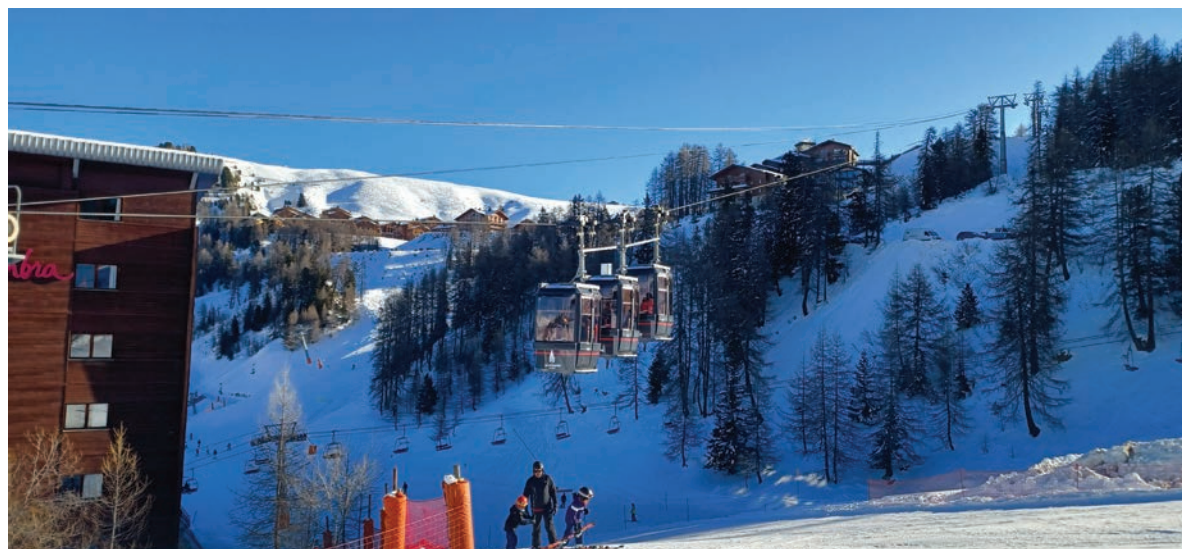


► INNOVATING TO REFLECT REALITIES ON THE GROUND

Operators turn to POMA teams not only to install new equipment, but also to manage the entire life cycle of their ropeways. Environmentally sustainable by nature, it is possible to move all or part of a ropeway in order to create a new one in line with new needs.

Ropeway renovation experts at POMA work closely with customers to design the most suitable solution. Transformations are adapted to the age and condition of the ropeways to guarantee that the machinery complies with safety standards and improve performance and overall comfort.

There are many advantages to this method, including a reduced maintenance budget and fewer administrative procedures. It increases the availability and initial value of devices while giving the site a more modern image in the eyes of customers. In addition, transforming an existing system is an opportunity to carry out an overall energy renovation.



► THE TELEBUS - LA PLAGNE, FRANCE

Service - Renovation of a 12-seater ropeway

The Telebus is one of the oldest aerial lifts in La Plagne, linking the first two sections of the resort, Plagne Centre and its Aime 2000 satellite. This ropeway was designed essentially to link the shopping centres and residences of the two resorts. Consequently, it operates **extensively throughout the day**, from 8 a.m. to 1 a.m. This **urban** ropeway is one of the first of its kind in France. As part of its renovation, only the cabin structure was retained, after thorough inspection, and all parts were replaced with new equipment. The aesthetics stay true to the original model, because users are strongly attached to their Telebus, which has been **in operation since 1971!**

► LES GRANDES ROUSSES - ALPE D'HUEZ, FRANCE

Double MonoCable (DMC) renovation

Built in 1986, the Double MonoCable (DMC) in Les Grandes Rousses is the **iconic ropeway transportation system in Alpe d'Huez**. Departing from the station, it takes passengers right up to the summit, Pic Blanc, at an altitude of 3330 m. It is now in the final stages of modernisation. The system was renovated over a 3-year period, with a **dedicated POMA, SEMER and COMAG team**, allowing for **hands-on project support and monitoring**. The existing DMC equipment has been adapted to new electrical mechanisms and installations in order to **optimise the performance of the system**. The combined effect of all operations results in **simplified maintenance** of the DMC in Les Grandes Rousses. By coordinating POMA's know-how and its subsidiaries within the framework of this project, on-site installation was smoother and faster, with various equipment items being pre-assembled in the factory and installed directly on site. SATA modernises the iconic DMC built by POMA more than 30 years ago, ensuring this all-year-round line still has a **few good years of service ahead**.

Better still...

POMA has also developed a **year-round support service available seven days a week**. The dedicated team answers customer calls, covering all areas of technical expertise, and is on hand to diagnose damage and manage the various repairs.

► EL TARTER SOLDEU - EL TARTER SOLDEU, ANDORRA

8-seater gondola lift - El Tarter Soldeu - Andorra

Built in 2004, the El Tarter Soldeu gondola lift, at the resort of the same name in Andorra, is getting an upgrade. ENSISA is replacing the original 30 cabins with 10-seater Diamond cabins, after the addition in 2016 of 40 new carriers to **improve user comfort and increase capacity** to 2500 pphpd. For ENSISA, the decision to install new carriers is part of the resort's challenge to boost its image and modernity ahead of the Alpine Ski World Cup in 2023, which it will host.



LIVING IN THE MOUNTAINS YEAR-ROUND, a regional challenge

RETHINKING MOUNTAINS AND ACCESS

Tourism is becoming more diversified, the aim being to create more links between the high mountains, the middle mountains and the valley. And even beyond this, **valley lifts** are part of a **virtuous, multimodal mobility plan**, offering a sustainable way of travelling "the last leg," for all those making their way to the mountains from Paris or London... This involves supporting the entire ecosystem of a region, where environmental requirements are inextricably linked to a socioeconomic approach, and where improving inhabitants' quality of life is crucial.

Valley lifts serve to **connect the valley's transport system**. They provide quick, easy and pleasant access to the mountains, while also addressing additional challenges, for example by providing daily transport to and from establishments for employees (permanent and seasonal), school children and pensioners, etc., or even transporting equipment and waste. Naturally, valley lifts are also a **good carbon-free public transport solution** for the issue of mountain pollution, which results mainly from road travel to resorts.

Similarly, the ropeways connecting a resort's different levels and sites meet peri-urban mobility needs. Through its experience in ropeway transportation, in particular in urban areas, POMA has the resources to design particularly silent ropeways suitable for intensive use. POMA is therefore a privileged partner when it comes to **supporting regions** throughout all the phases of their mobility planning and design. In addition to building and installing valley lifts, POMA offers a host of related services, such as innovative predictive maintenance solutions and the integration of a concierge service for luggage and skis.



SKYVALL Valley Lift - Loudenvielle - FRANCE - 2019

HUEZ EXPRESS - ALPE D'HUEZ, FRANCE

10-seater detachable gondola lift

Nicknamed "the Island of the Sun" due to the exceptional amount of sunshine it enjoys, Alpe d'Huez is one of Isère's major resorts, with an international reputation. Dominated by Pic Blanc with its summit at an altitude of 3330 m, the skiing area offers 250 km of ski runs, including the famous 16-km La Sarenne which starts at the very peak! The resort of Alpe d'Huez has always been at the forefront, and is now committed to developing **more sustainable peri-urban mobility solutions**.

Following the installation in 2018 of the Alpe Express detachable gondola lift, it's now time for the **Right-of-way public transport system** project's second stage, the Huez Express. This new connection, with 27 10-seater cabins, in conjunction with the 60 cabins of Alpe Express, forms a link covering nearly 2 km that **connects the village of Huez** at an altitude of 1450 m to the foot of the slopes at an altitude of 1860 m, via the resort's centre, passing over the main access roads. The lift is equipped with the **DirectDrive®** solution and the **Cable Position System**, an on-board safety device. This unique mode of transport is the **first peri-urban system** to operate without an agent in France.

The Alpe Express and Huez Express gondola lifts are the result of deliberations by Alpe d'Huez regarding the mobility service in order to promote **sustainable four-season mountain tourism**, complemented by new developments. A multimodal transport solution, a soft and sustainable alternative to the problem of road traffic density in the mountains.

CRÉMAILLÈRES EXPRESS - LUCHON SUPERBAGNIÈRES, FRANCE

10-seater detachable gondola lift

In the heart of the Pyrenees, the village of Luchon is gaining a brand new valley lift to link the spa resort to the skiing area at an altitude of 1800 m. After the old gondola lift's 30 years of service, the Crémaillère Express gondola lift is the new replacement offering a **more modern and sustainable mode of transport**. Travelling on this line, which for a long time had the biggest difference in altitude for a gondola lift in Europe, will now be like never before!

All year round, 2000 people per hour will be able to access the different activities in the resort and on the Superbagnères plateau, in outstanding comfort onboard the latest-generation **10-seater EVO cabins**.

The Crémaillère Express gondola lift is a **valley-resort link** that is accessible to all, **low-carbon and quick**, climbing 1150 m (with an average gradient of 49%) in just 8 minutes.

In keeping with its neighbouring community, Peyragudes, whose valley lift Skyvall has been a success since opening in 2019, the new Luchon Crémaillère Express gondola lift is part of a plan to modernise and attract tourism, central to regenerating spa areas in the Pyrenees.



LE FAYET & ST GERVAIS - SAINT GERVAIS, FRANCE

Two 10-seater detachable gondola lifts and an eco-friendly inclined elevator

Fully committed to sustainable mountain planning and development, Saint Gervais entrusted POMA with the construction of 3 installations, for delivery in summer 2024.

A highly anticipated project, St-Gervais-les-Bains acquired a POMA valley lift to overcome the problem of heavy road traffic in the valley and offer inhabitants **a solution for their daily transport needs**, all year round, comfortably seated on board **EVO XLINE cabins**.

The 10-seater Fayet gondola lift bottom station will be located directly in the SNCF train station, guaranteeing a quick, low-carbon **multimodal connection** for both locals and holidaymakers to the centre of St Gervais and its skiing area, with just 8 towers on the line. As part of an overall project led by the STBMA, the 2nd part of the connection and the main route, which links up with the foot of the slopes directly (the current St Gervais DMC) will be replaced by a 10-seater, 7m/s detachable gondola lift.

A total of 4.3 km of ropeway transportation will make it possible to reach Le Bettex at an altitude of 1400 metres, from the valley's main road and rail access points, while enjoying stunning views of Mont Blanc.

Direct Drive, ESA, ENDURANCE roller batteries and EFFILINER® liners... The STBMA has reached out to the Group once again, entrusting POMA and its subsidiaries with two elegant gondola lifts equipped with **performance-oriented and sustainable technology options**, including world-first LIFE R'way-labelled features on the brand new valley lift!

Constituting the third project in the new **sustainable mobility offer** in St Gervais, the town council is investing in an innovative, eco-friendly inclined elevator to connect the village centre and the thermal baths near Fayet. Unique in France, this innovative, eco-friendly system will be one of only a few in the world to operate **using waste water** and which, combined with a generator, will produce electricity in 80% of load cases, while transporting users between the thermal baths and the centre of Saint Gervais.

As of summer 2024, visitors will be able to discover the new-look St Gervais, a destination 100% focused on providing an **innovative, sustainable mobility solution** for everyone.

A DIVERSIFIED OFFER, for a more responsible tourism model

SUPPORTING MULTI-SEASONALITY

In addition to skiing, which remains the main focus, additional experiences must now be added to meet new expectations; resorts are aware of this, and are **innovating** to offer new activities to non-skiers, such as snowshoeing, sledging, kid-friendly infrastructures, mushing, wellness activities, mountain biking, outdoor sports, cultural events, etc. More generally, resorts are upgrading their facilities as part of a global development strategy to remain attractive in all seasons, while **respecting the environment** and **promoting their region**. POMA is supporting resorts in terms of ropeways and green transport to **connect** the sites where these new activities take place and offer **environmentally friendly mobility solutions** that address these multiple challenges. After all, rethinking mobility in the mountains will require assisting ski resorts as they undergo a more profound transformation from winter sports resorts into mountain resorts based on an eco-friendly model.



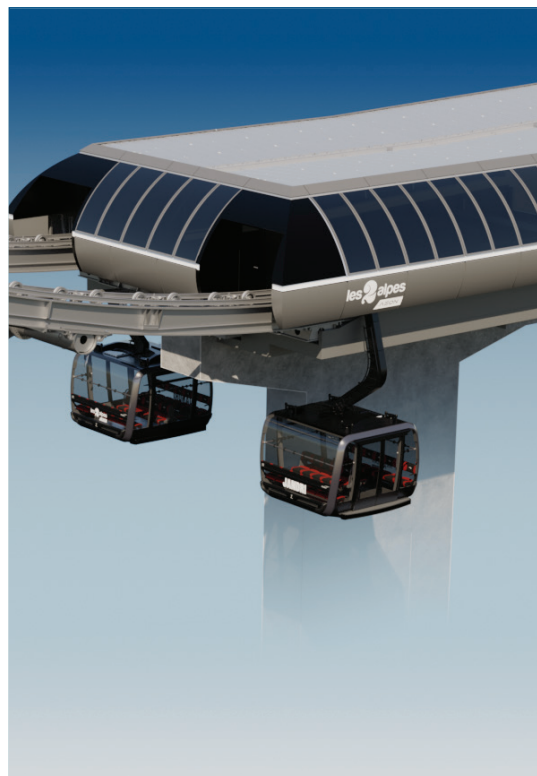
3S JANDRI - LES 2 ALPES, FRANCE - 2024

The Jandri is **the backbone** of the immense skiing area Les Deux Alpes. As the key link that underpins the region's appeal, it transports users all year round from the centre of the resort at 1650 metres right up to the foot of the mythical glacier at an altitude of 3200 metres.

To travel faster, more comfortably and more safely, SATA has made a particularly innovative choice and is investing in a superb detachable **tri-cable ropeway (3S) system** with 2 sections.

The new link will have only 7 towers for the **6-km line** and will be equipped with a **double DirectDrive® motor** to drive the entire system at a speed of **8 m/s**. This innovation from the Group runs without hydrocarbon fuels and generates a 5% reduction in the consumption of electric power while limiting noise emissions.

Reliable and fast, the Jandri 3S will benefit from an increased capacity of 1800 to 2800 pph initially (eventually 3000), i.e. a **journey time of only 15 minutes**, in remarkable comfort onboard spacious and elegant **Symphony cabins**. Thirty-five-place cabins **designed and made in France**, a creation of the famous Italian designer Pininfarina, will provide ultimate comfort for everyone, even the most connected users, since each cabin will be equipped with wifi. And among the 55 superb carriers, an exclusive VIP-type cabin will welcome lucky passengers for an exceptional journey.



10-SEATER PONTILLAS GONDOLA LIFT - SERRE CHEVALIER, FRANCE - 2023

In Serre Chevalier, Pontillas marked the history of ropeways by becoming the first to inaugurate the double-monocable technology in 1983.

The Frejus DMC and gondola lift will be replaced by a 3.6 km high-performance gondola lift equipped with Direct Drive, providing even more reliable, faster and more comfortable service, suitable for all passengers. In a key sector, this choice marks the strategic orientation of the Compagnie des Alpes for Serre Chevalier, a state-of-the-art resort in terms of sustainable tourism development.

The new Pontillas will run at 7m/s to serve a new space dedicated to ski learning. This innovative relocation at an altitude of 2255 metres is based on the installation of a pivotal system, which must remain suitable for transporting skiers of all levels, and involves revamping the bottom of the resort.

10-SEATER TRANSARC GONDOLA LIFT - LES ARCS, FRANCE

For departures from Arc 1800 in Paradiski, Les Arcs Domaine Skiable, a subsidiary of the Compagnie des Alpes, is replacing the famous Transarc for the 2024 season. Increased capacity and comfort are the main challenges driving the technical choices for the new 10-seater gondola lift, such as the EVO Wide cabins that will offer passengers a beautiful space to enjoy a silent trip, even at a remarkable speed of 7m/s! The longer station will also make loading smoother on the straight sections and is better suited to all types of user, with a reduced speed of 0.21 m/s.

To transport 3600 people per hour up to an altitude of 2100 metres, where there is a majestic view from the Tarentaise to Mont Blanc, the new Transarc will be equipped with Direct Drive technology and the ECODRIVE solution. The 2-section line over 3.3km will have 10 fewer towers than the previous line.

This investment is part of a retrofit plan, as is the replacement of two fixed chairlifts with a single gondola lift in Villaroger, in order to optimise access to the skiing area from the eponymous village.



PLANCHAMP 10-SEATER GONDOLA LIFT - VALMOREL, FRANCE

At the heart of the village, Domaine Skiable Valmorel (DSV), a subsidiary of the Sofival Group, is fitting itself out with a brand new gondola lift for its main resort departure, replacing a 4-seater chairlift that dates back to 1997. The Planchamp gondola lift will boast 75 of the latest-generation 10-place X-Line EVO cabins, providing a capacity of 3600 pph with the utmost comfort for the 4.5 minutes that the journey takes, with a magnificent view

of the Savoyard valley. The new line was completely redesigned for this new major ropeway in order to address all of the safety and comfort issues: 1 single section rather than the previous 2, an elongated station and wide tracks for loading skiers with ease, optimum journey time with a nominal speed of 7 m/s (one of the very first in France!), and the possibility of operating throughout the year in winds up to 25 m/s are among a range of custom-designed technical and aesthetic options implemented for the main ropeway departing from the village and providing access to the rest of the skiing area via the Combe de Beaudin.

FOUR SECTIONS OF GONDOLA LIFT ON LA PLAGNE: ROCHE DE MIO AND GLACIER DE BELLECÔTE

The SAP (La Plagne Development Company - *Société d'Aménagement de la Plagne*), a subsidiary of the Compagnie Des Alpes (CDA), has selected POMA to create the 4 gondola lifts that will connect Plagne Bellecôte to the Glacier de la Chiaupe, via the Roche de Mio plateau, creating a brand-new backbone for the skiing area of la Plagne. These 4 ropeways will ultimately replace the venerable 6-seater gondola lifts from Plagne Bellecôte - Belle Plagne - Roche de Mio and Roche de Mio - Glacier de Bellecôte, also built by POMA in 1975 and 1978 along different routes.

Work started in 2022 for the 2 sections of the gondola lifts connecting the Roche de Mio plateau with the Glacier de la Chiaupe and will be completed in December 2023. These 2 gondola lifts provide access to a magnificent view of the Paradiski skiing area, while being disconnected from the Bellecôte Glacier. In fact, the SAP, a subsidiary of the Compagnie des Alpes, has initiated an approach to preserve and develop the Glacier by dismantling all ropeway installations on the glacier in order to protect its ecosystem. These 2 gondola lifts will be equipped with 10-seater EVO 2 XLINÉ cabins, offering an impressive 360° view of the entire route. Comfort, availability and innovation. Work on the 2 sections of the gondola lifts connecting Plagne Bellecôte to the Roche de Mio plateau via the Col de Forcle will begin in 2023 and end in December 2025. Comfort, Performance, Availability, Innovation and Sustainability are the main challenges of this overall project to revamp access to the glacier from Plagne Bellecôte. As a result, the total number of towers will be reduced by 21 units compared to the existing lines, while the capacity is almost doubled, with availability guaranteed by Direct Drive motors in each of the sections. Finally, the stations will be equipped for the first time with EVO roofs, combining design and eco-performance.

▶ POMA, ROOTED LOCALLY ABOVE ALL

The Group is pursuing its development objective with increasingly efficient equipment to promote sustainable mobility.

POMA and its four industrial subsidiaries located in the Rhône-Alpes region, the group's historic birthplace, are reorganising their sites for optimal management of operations, **engineering, manufacturing, assembly and installation, to ensure global control of all rope transport projects, including engineering work.**

SACMI manages the production and pre-assembly of the mechanical subsystems; SEMER is in charge of electrical equipment and industrial automation; SIGMA designs and manufactures the cabins; and, finally, COMAG is responsible for on-site installation and equipment maintenance.

POMA thus has **integrated management of the entire value chain, from operations up to the service and maintenance** of the urban or tourist sites.

Since its installation in Gilly-sur-Isère in 2017, the performance of the new POMA industrial site has met the Group's ambitions, with continuous investments in cutting-edge machinery and technology.

In total, **235,000 sq.m of industrial area** for production activities, in Isère, Savoie and Haute-Savoie, where POMA has always maintained its roots, completely controlling the quality of its products locally and maintaining **a strong tie of proximity** with its customers.

The mountains are a valuable asset and a natural area that must be preserved. Given the enormous challenges facing resorts, there is just one way of reconciling the different ambitions: **sustainable innovation.**

Through its mobility solutions, to ensure more convenient access and carbon-free travel, POMA is reasserting its position as a **partner of choice in local networks, from the heart of the French Alps.**

POMA, a FRENCH value chain



▶ POMA CONTINUES TO INVEST IN ITS FRENCH PRODUCTION FACILITIES

At the forefront of industrial facilities, POMA is advancing every day towards Industry 4.0 with cutting-edge processes, tools and machines. It is through this spectrum that POMA is integrating a new paint shop as a key link in its value chain.

Whereas painting was once an outsourced service, this shop will eliminate middlemen in the manufacturing chain and thus reduce the CO2 emissions generated by the transport of materials.

▶ PARTNERSHIPS

Backed by its experience and knowledge of the field, POMA has always been surrounded by the best expert partners in their fields.

First of all, by listening to its customers, mainly mountain resort operators, to identify the development areas that are most meaningful to them. The strength of collective work has always been the driving force to find solutions that perfectly meet their needs, up to the industrialisation and marketing of solutions for the benefit of all.

Then, by fully involving the teams of various departments within POMA and the POMA Group's subsidiaries, to bring the most added value in the analysis and implementation of the most appropriate technical solutions

Finally, based on a comprehensive collaborative approach, **the French mid-market company** is surrounded by the most relevant manufacturers in their field of expertise, companies of various sizes from start-ups to major groups, always giving priority to local partnerships: Michelin, Sunwind, Bluecime, Partech, CEA, Innodura, Arcelor, Thalès, etc. bolster the technical expertise and bring additional value.

It is the strength of an entire ecosystem around sustainable mobility that opens the field of possibilities to tackle the complex challenges we face.



PRODUCTS WITH LOW ENVIRONMENTAL IMPACT



Eco-responsibility AT THE HEART OF MOBILITY

POMA, a pioneer in ropeway transportation, is **strongly committed to innovation and sustainable mobility**.

For POMA, respecting, protecting and promoting each region has always been the obvious choice. Today, the need for further action is dictated by climate issues, and by the pressing need for an urgent transition to benefit **future generations**.

For this reason, POMA has structured itself to act at company level as well as at the level of its ecosystem. Driven by a **collective strength**, we have reworked each of our processes to minimise the human footprint as much as possible, starting from the design phase and continuing throughout **the lifecycle of the ropeway**.

The LIFE R'way approach reflects **POMA's commitment** through a selection of highly tried and tested products and services, as part of an incremental innovation approach for mobility solutions with a low environmental impact.

Increasingly efficient and eco-friendly, LIFE R'way products and services are scalable, adaptable and more sustainable, for ever better performance and energy efficiency throughout **their lifecycle**, pursuing the following areas of improvement: fewer raw materials, less energy in the manufacturing process, short supply chains, worker safety with fewer consumables and less impact of construction, **reduced energy consumption**, recyclability or **reuse at the end of their life**.

A GLANCE AT SOME POMA SOLUTIONS FOR GREEN AND SUSTAINABLE MOBILITY:

UP TO 20% ENERGY SAVINGS WITH ECODRIVE, which automatically regulates the speed of a ropeway according to the number of passengers. ECODRIVE is 100 % configurable and lets you track energy savings via an interface with the SKADII digital services platform.

THE INNOVATIVE RUBBER LINERS DEVELOPED JOINTLY BY POMA and MICHELIN, EFFILINER®, offer an efficient solution throughout their lifecycle. They come with several advantages: up to 10% energy savings thanks to their low rolling resistance, a doubled service life, made in France with a low-carbon process, bio-sourced materials, management of their recycling at the end of their service life, etc. The products will be available in 2023 for even more sustainable mobility!

THE POWER OPTION, THE SOLAR SOLUTION thanks to innovative semi-rigid photovoltaic panels installed on the station roof and on the surface specially designed to optimise cell efficiency. "PV Cycle" certified by an international organisation that manages their end of life and recycling, the built-in modules on the LIFE station roof produce up to 28% more energy.

INNOVATION PROMOTING SUSTAINABLE MOBILITY

LINE

LP07 LCI roller battery
The new LP07 LCI (Life Cycle Improvement) roller battery integrates on-site feedbacks from around fifteen years of experience. It offers high technical performance from improvement in its life cycle, for optimized operation and maintenance.

ENDURANCE® roller battery
ENDURANCE® is the new innovative roller battery developed by POMA to ensure a low environmental impact and more safety for the operation and maintenance teams.

Liner EFFILINER®
Two French companies, POMA and Michelin, leaders in their field, have joined forces to offer a new exclusive liner EFFILINER® with a low environmental impact over its entire life cycle.

CPS EVO
CPS (Cable Position Supervision) system prevents dangerous situations due to a lateral shift of the rope in a roller battery. The new CPS EVO is an evolution of CPS system which reduces its energy consumption and improves the safety of the operation and maintenance teams.

STATION

LIFE station covering
LIFE (Low Impact For Environment) is the name of the covering for the LIFE station. Its qualitative, modern design enhances the aesthetic appeal of the station.

Power option for station covering
The Power option offers an additional source of renewable energy perfectly integrated into the station cover design, by installing semi-rigid photovoltaic modules instead of side glazing.

DirectDrive
Clean and quiet DirectDrive technology, which is in line with an eco-responsible approach: lower energy consumption, no fossil fuel consumption, reduced noise pollution, and increased safety of the operation and maintenance teams.

VEHICLES

Diamond EVO Cabin
From the standard version to the Premium one, this new generation of spacious and comfortable cabins offers smooth and durable mobility.

EEZII Chair
Particularly lightweight and robust, the EEZII chair is the vehicle of choice for a low environmental impact. Efficient and customizable, it adapts to the exact need.

Partech bike carriers
Range of bike transport solutions, compatible with chairlifts and gondola lifts. Easy installation and customer use; protects the equipment.

STEERING

SKADII
SKADII digital platform centralizes access to all the applications needed to manage a fleet of ropeway installations in the most efficient and sustainable way, such as managing and monitoring energy consumption data, or optimizing maintenance.

SmartBOARD
The new SmartBOARD is a control panel with a smart design. Ergonomic and ultra-compact, it can be built into any type of furniture. It offers an ergonomic, intuitive user interface for better handling of the controls for an exceptional driving comfort facing the platforms.

ECODRIVE
The ECODRIVE mode reduces wear and energy consumption of the ropeway by controlling the speed of the ropeway according to its rate of use, while maintaining user comfort.

SIVAO
SIVAO analyzes the number of passengers in each vehicle using video image processing technology based on artificial intelligence. This operation assistance includes the detection of dangerous situations when boarding chairlifts and the counting of passengers inside cabins.



POMA COMMITTED TO THOSE STRIVING TO PROMOTE THE MOUNTAINS



THE POMA FOUNDATION



With a view to structuring their social initiatives and creating connections between people, the five companies that make up the POMA Group created the POMA Corporate Foundation, an independent, non-profit legal entity, at the end of 2019. Its mission: **to encourage and develop mobility**, a field in which the Group has substantial expertise and experience, in the fields of **sport, disability, solidarity and the environment**. This project is fully in line with the **Group's Corporate Social Responsibility** approach and reflects its commitment to community engagement and local development. Several projects are implemented throughout the year through the efforts of the Group's volunteer employees.

Last year, POMA launched a new collective call for projects called "Imagine your mountains!" In its first two editions, the total sum of 51,000 projects enabled associations to implement concrete actions in the Alpine mountain range for the preservation of the environment targeting the younger generations.

IN 2022

- 13 associations supported
- Several solidarity collections and waste collections organised
- 62 employees working with associations
- The equivalent of 60 work days in the field

POMA, COMMITTED TO THE "ENFANCE ET MONTAGNE" FUND

Created by the **Syndicat National des Moniteurs du Ski Français** in 2020, the Enfance & Montagne endowment fund strives to boost and support **discovery classes in the mountains both in winter and summer**. These moments of opening up to the outside world and collective living, a source of enrichment for children and their teachers, represent a real economic stake for the mountains. The "Enfance et Montagne" endowment fund is firmly committed to promoting the renewal of this educational movement, which, **since the 1950s, has allowed generations of children to discover mountains and skiing**.

As a committed promoter of mountains, POMA stands alongside the SNMSF, supports the missions of the "Enfance et Montagne" fund and shares its values of **commitment, excellence and sharing**.

In 2021, €371,000 was allocated in grants to 354 classes. 9,000 students were supported in their discovery of the mountain, its values, and the practice of skiing.



Marie Bochet, a champion with a big heart

The POMA Foundation and Marie Bochet, an unwavering partnership. For the past 10 years, Marie Bochet and POMA have maintained a sacred connection around the mountain and its values. A POMA Ambassador since 2014 and a volunteer administrator of the Foundation of the same name, this skier from Beaufortain and the world leader in ropeway transportation form a dream partnership that upholds local culture, the values of sport and French excellence.

Multiple world parasports champion and Paralympic champion in alpine skiing, Member of the French military ski team.

"The mountains connect us, but the Foundation really embodies the connection I have with POMA and further reinforces the values that we defend. It gives me the opportunity to take concrete action on projects that have meaning for me, alongside the people involved."

SKIING, A SHARED PASSION

POMA RENEWED ITS COMMITMENT TO THE FRENCH SKI FEDERATION IN SUPPORT OF UP-AND-COMING FRENCH SKIERS.

POMA and the French Ski Federation both want to breathe life into their region and they share the same values: endurance, surpassing oneself, respect for mankind and the environment. Ski lifts were created in the 1930s, with the arrival of skiing in France, so it is quite natural for POMA to want to support this activity and its development at all levels and for all audiences.

Since 2018, POMA has become the Official Partner of the French Youth/ Junior Alpine Ski Team.



2023 WORLD CHAMPIONSHIPS

After the Olympics, the FIS Alpine Ski World Championships represent the world's largest ski event. For 15 days, the best alpine skiers, men and women from all over the world, i.e. more than 600 athletes, come together to compete in 13 events representing the flagship disciplines of Alpine skiing: Alpine combined, Super-G, downhill, slalom, parallel and giant slalom.

POMA supports this major event, which is important for the global ski industry.

PRESS CONTACT:

RevolutionR
press.poma@revolutionr.com
+33(0)6 43 15 88 51 - +33(0)6 50 70 60 50



www.poma.net