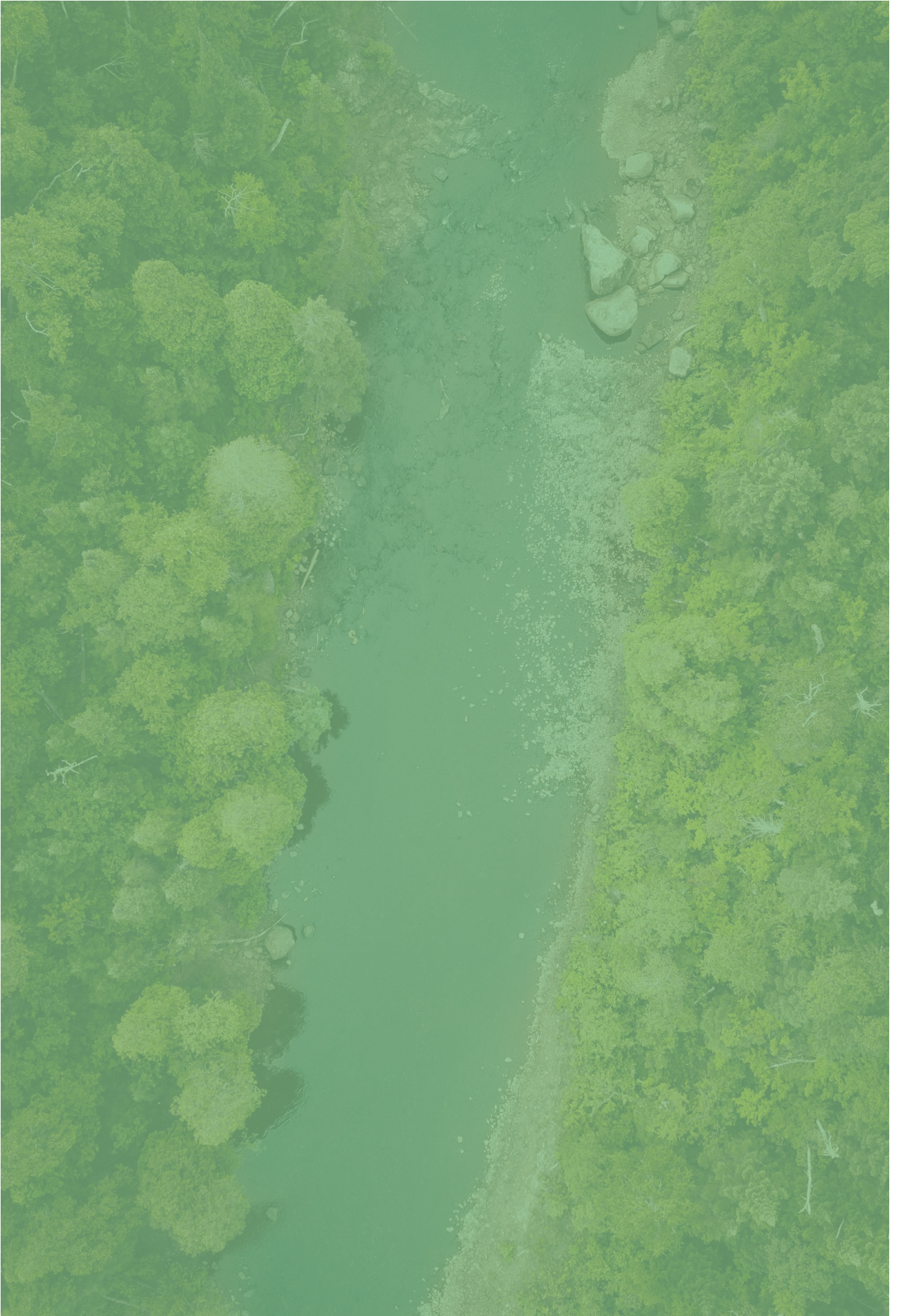


OUR HANDPRINT

KARPOS JOURNEY
TOWARDS SUSTAINABLE
DEVELOPMENT





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MVC GROUP

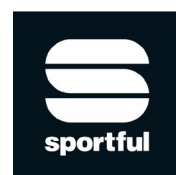


Karpos, together with its two sister brands, **Sportful** and **Castelli**, is part of **MVC**, an international group based at the foot of the Bellunesi Dolomites that specializes in technical outdoor and sports clothing.

Established in 1946 by the Cremonese family, which continues to lead the group, **MVC** has outfitted champions and enthusiasts of cycling, cross-country skiing, mountaineering, ski mountaineering, trail running, and the outdoor world in general over the course of more than 75 years of history and innovation.

In 2019, **MVC** took on an equity partner with the goal of boosting its brands' international growth, and the Equinox fund became a minority investor.

Today, **MVC Group** is present in 75 countries around the world through six subsidiaries and has more than 250 employees.



BUSINESS PARTNERS STATEMENT OF ETHICS

The Business Partners Statement of Ethics (BPSE) is a declaration of compliance with **MVC Group's** fundamental values and the Code of Ethics, which every supplier to Manifattura Valcison S.p.A. is asked to sign.

Because **MVC Group** is committed to developing a sustainable supply chain, the BPSE was created for suppliers, as a self-declaration of compliance with the Manifattura Valcison S.p.A. Code of Ethics.

By signing this declaration, every vendor, supplier, consultant, agent, and sales representative, and any company supplying products or services, commits to compliance with the law and with ethical, social, and financial principles; conducting business with transparency and integrity; respectful treatment of people; and promotion of a safe workplace.

FAIR WORKING CONDITIONS

Ensuring fair working conditions is the main objective of **MVC Group's** social responsibility strategy. For this reason, in 2021 the group adopted a code of conduct aimed at developing a corporate culture of respect for the law, fairness, and collaboration.

The Code of Ethics stipulates that employees must provide truthful and complete information to customers in order to ensure their satisfaction; product managers must select suppliers of products and services in accordance with the values and requirements contained in the document in order to ensure the most ethical selection possible; and recipients must act responsibly and with integrity in relations with third parties, institutions, and public authorities.

The same behavior is required of business partners.



Gioia Cremonese
Board Member
MVC Group Sustainability Deputy

“For **MVC Group**, responsible business Management has always been a priority. We were established in the Dolomites and have been working in the outdoor world for more than 75 years. We’ve always taken care of our people and our local area and communities, recognizing that the resources available to us are limited. This attention is in our DNA.

We cannot ignore the direct — or indirect! — impact of our work on our employees, on our communities and the areas in which we operate, on our customers and business partners, and, above all, on the mountains and their environment.

This is why we have included environmental protection among the founding principles of the group’s code of conduct, in the belief that the journey must involve all the company’s stakeholders, starting with our family of employees and associates, the local community, the end users of our products, and our network of partners and suppliers.

Karpos is a young brand, which in just a few years has been able to carve out a significant space for itself in the outdoor world. **As the brand has grown, we’ve also developed an awareness that it’s not just a question of where we want to go or what we want to achieve, but how we want to do it.**

Today, among the group’s brands, **Karpos** is leading the way toward reducing our negative impact and strengthening our positive impact.”

MVC moves towards sustainable production system.

In 2019, **MVC Group** crafted a strategic plan for sustainable business development, which is based on the digitalization, analysis, and control of data relating to four pillars: carbon footprint, responsible waste management and reduction of packaging, certified supply chain, and social responsibility.

CONSUMPTION AND EMISSIONS

MVC Group is committed to reducing its ecological footprint through the increased use of renewable energies, the implementation of a certified environmental management system (ISO 14001), and the promotion of sustainable mobility.

WASTE AND PACKAGING

Packaging is one of the greatest sources of pollution in the world.

To reduce the quantity of waste produced, **MVC Group** is focusing on three elements: reuse, recycling, and rethinking product design.

CERTIFIED SUPPLY CHAIN

In 2021, we added the adoption of environmental and social certifications to the criteria used in evaluating and selecting suppliers.

Today, approximately 10% of our suppliers have one or more certifications, including ISO 14001, ISO 5001, ISO 9001, and SA8000.

SOCIAL RESPONSIBILITY

MVC Group has always looked after people and their well-being, health, and safety.

The group's goal is to build relationships of trust based on transparency with stakeholders and to implement a concrete plan to move toward a more responsible production system.

ISO 9001 e 14001 certifications

In October 2023, MVC Group obtained ISO 9001 and ISO 14001 certifications from the TUV accredited body following the adoption of an integrated management system for quality and the environment.

KARPOS



**IT IS NOT WE WHO
CONQUER THE
MOUNTAINS BUT THE
MOUNTAINS THAT
CONQUER US.**

We are the visionary mountaineers who imagine that love can cause holds to materialize under our fingers.

We are the crazy idealists who think that with passion we can realize our dreams.

We believed this, and we continue to believe it.



THIS IS OUR SYMBOL

A superhuman hand, a fusion between the digits of a man and those of a gecko, a prehistoric reptile capable of walking on walls.

And then the color green: the color of nature.



OUR SUSTAINABILITY MANIFESTO



Our history, which began in the Dolomites, has always been characterized by our careful consideration for people, the local area, and mountain communities, recognizing that the resources available to us are limited.

This care is in our DNA.

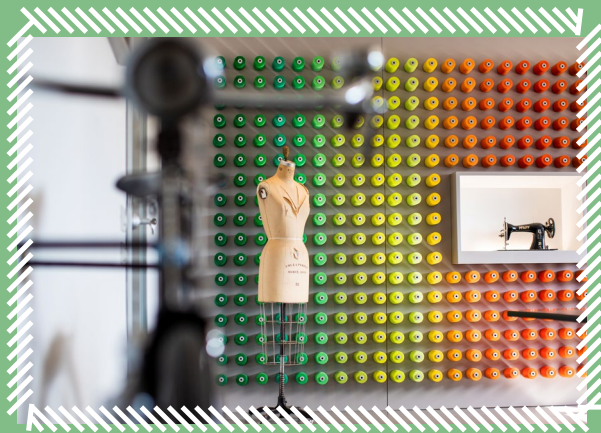
Over the years, we've become increasingly aware that it's not just a question of where we want to go or what we want to achieve, but how we want to do it.

We are here to imagine a different tomorrow: this is why we want to inspire others, to design a future together in harmony with nature and the mountains.

Through our activities, we want to strengthen our positive impact on our surroundings and reduce our negative impact as much as possible.

**Our journey
toward sustainable
development has begun!**

OUR SUSTAINABILITY PILLARS



WORKING AT KARPOS



HUMAN RIGHTS



HELP THE MOUNTAINS



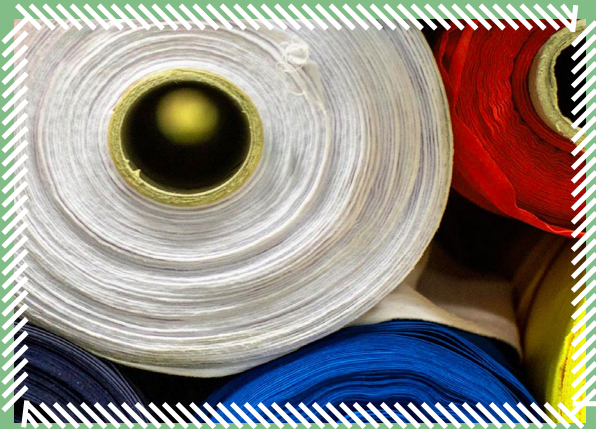
MATERIALS AND TECHNOLOGIES



ENVIRONMENTAL IMPACT



ENERGY USE AND EMISSIONS



UPCYCLING



PACKAGING



PRODUCT CARE LONG LIFE TO
OUR GARMENTS!

WORKING AT KARPOS



People are at the center of **MVC Group's** business. We share with our staff and partners a passion for the outdoor world and

a lightweight and high-performance approach to the mountains.

2021
MVC GROUP RECEIVED FAMILY AUDIT CERTIFICATION, A THREE-YEAR RECOGNITION OF THE COMMITMENT TO WORK-LIFE BALANCE



Our relationships often extend beyond the professional setting: we meet up to go ski mountaineering or get together for a beer after work.

From the time they join **Karpos**, we try to make our employees feel at the center of the project and to ensure that they can contribute ideas, projects, and innovations, enhancing their skills and cultivating talents. We believe in a healthy work environment that's welcoming, inclusive and diverse.

For **MVC Group**, well-being in the workplace and work-life balance are two elements that are critical in creating a work environment that is productive while at the same time recognizing the commitment of those who contribute to the growth of the group on a daily basis.

In 2021, we launched a number of initiatives to improve the quality of our employees' working life and work-life balance.

These are small measures aimed at protecting the health of our employees, rewarding their performance, and allowing them to spend more time with their families.

At the end of 2021, **MVC Group** received Family Audit certification, a three-year recognition of the commitment to **work-life balance**. A 2022-2024 plan was thus drawn up addressing the relevant personnel management policies.

WORK LIFE BALANCE



SMART
WORKING



FLEXIBLE
HOURS



FRIDAY AFTERNOONS
OFF DURING THE
SUMMER

BENEFITS



SUPPLEMENTARY
EALTH INSURANCE



SPECIAL DISCOUNT
PURCHASES



FUEL & GROCERY
VOUCHERS

FUN & ENGAGEMENT



GYM AND GARDENS
(HEADQUARTERS)



COMPANY
TEAM-BUILDING
EVENTS



PROFESSIONAL
DEVELOPMENT
OPPORTUNITIES

HUMAN RIGHTS



Respect for the **human rights** and working conditions of the people who make our garments

is the starting point for ensuring responsible performance.



2021
MVC GROUP ADOPTED
THE BUSINESS PARTNERS
STATEMENT OF ETHICS
TO INVOLVE ALL ITS
PARTNERS IN SUSTAINABLE
DEVELOPMENT

We've already adopted a certified personnel management model in the offices of our headquarters, and we are making an effort to ensure that the rights of workers in the factories of our suppliers of raw materials and finished products are also defended, especially in areas where they enjoy less legal protection.

Our partners' commitment to respect the working conditions of employees is demonstrated by our factory inspections, together with the **MVC Group Code of Ethics** and the **Business Partners Statement of Ethics**, two documents that partners in the **MVC Group** supply chain are invited to sign and through which they affirm their compliance with **MVC Group's** ethical, social, and financial sustainability standards.

We are asking our partners in Asia and Eastern Europe to obtain Fair Wear certification, which confirms compliance with the eight principles deriving from the ILO convention and the United Nations Universal Declaration of Human Rights.

In the future, we expect to make our business decisions based on compliance with these principles and the presence of the Fair Wear certificate.

Our recent visits to suppliers' factories confirm that our partners also want to play an active role in the process.

Additional support comes from the sustainability policies launched by countries such as China, which have introduced more stringent standards for working conditions, on pain of factory closure.

In recent years, many Asian countries have also made significant progress in terms of gender equality and ensuring fair contractual and salary conditions for employees.

The first step in starting or renewing a partnership with a supplier includes a visit from one of our consultants or raw materials researchers, who checks the quality of the fabrics and the presence of the minimum working conditions.

Conditions that have been verified and evaluated as more than satisfactory in countries such as China and Vietnam, especially in small companies.

They range from the presence of background music to the possibility of taking breaks on the production lines; to the regulation, granting, and payment of overtime hours.

Other aspects that deserve to be underlined derive directly from the Labor Contract Law of the People's Republic of China, which establishes obligations such as a minimum age of 18 for employees and protects them in the stipulation of fixed-term and open-ended employment contracts.

At **Karpos**, we are closely following these legal aspects, and at the same time we invite companies producing raw materials to act responsibly toward society and their local employees.



HELP THE MOUNTAINS



The **mountains are our home**, which is why we have always

been committed to projects that enhance and protect these areas.



10+ ACTIVITIES SUPPORTED BY THE **HELP THE MOUNTAINS** PROGRAM

Over the years, we have supported numerous events and activities on mountains near and far. These are the origins of **Help the Mountains**, the project that supports efforts to protect the mountain environment.

The Mountains is based on the donation of up to 1% of our annual turnover to a series of activities aimed at supporting the high elevations and protecting the environment.

1% FOR THE OUTDOOR COMMUNITY



Through the program **Help the Mountains** – 1% for the outdoor community, we support projects, organizations, and activities connected with climate change, the melting of the glaciers, and littering.





We strongly believe in the power of passing on our values and sharing them with younger generations. This is why **we are also supporting educational projects that engage young people, especially students.** Thanks to their contributions, our actions will have continuity and achieve greater results in the future.



Our passion is made of calloused hands on the rough rock of a crag, of trails run on under a powerful summer cloudburst, of a snowstorm during our ski mountaineering outings. Nature with its elements represents our space for freedom and personal expression. We want **to give something back to our region,** and we **want to celebrate its beauty.** This is why we support initiatives that promote the sustainable maintenance and development of the mountains.

THE PROJECTS SUPPORTED BY THE HELP THE MOUNTAINS PROGRAM

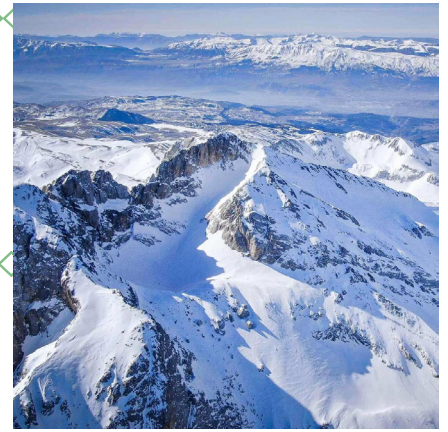
1 - CLIMB & CLEAN

Climb & Clean is the project launched by Massimo Faletti and Matteo della Bordella to raise climbing communities' awareness of the problem of littering at crags: a widespread phenomenon that harms the environment, all forms of life, and potentially climbers as well.

The goal of Climb & Clean is to educate outdoor enthusiasts and the younger generations on the **importance of reducing the environmental impact of their activities**, because the natural environment is everyone's heritage and must therefore be respected. Project participants — including more than 120 volunteers from all over Italy - collected over 10,000 kg of waste in 2021 and more than 5,500 kg in 2022.



2 - ICE MEMORY



Ice Memory is an international research project, recognized by UNESCO, with a dual objective: to collect and preserve ice samples from glaciers around the world and to create a global climate archive that makes the data accessible and available to future generations of scientists.

The research team has already collected samples from the Gorner glacier (Monte Rosa), the Calderone glacier (Gran Sasso), the Holtedhlfonna glacier (Svalbard archipelago), and plans to extract ice cores from the Gran Combin and in the eastern Alps (Marmolada and Montasio) as well.

3 - SAFETY IN THE MOUNTAINS



People who live in the mountains have always been the first to help and support each other in times of need.

Before the tourists arrived, the roads were traveled by a handful of rock climbers, by shepherds taking their animals to graze, and by hunters and woodcutters. They were the ones who knew every trail, every track, and every meadow. They were the ones who went out if someone didn't come home in the evening. They were the guardians of the mountains. of the Italian territory are (also) carried out by the specialists of the

Today, rescue operations in the mountains and in inaccessible areas of the Italian territory are (also) carried out by the specialists of the **National Alpine and Speleological Rescue Corps (CNSAS)**. The rescue technicians intervene to help the injured and rescue those who have fallen in the mountains, in the underground environment, and in remote areas.

CNSAS is everyone's point of reference for safety in the mountain environment. There are 242 alpine stations and 27 speleological stations in Italy. Through the Help the Mountains project, **over the years we've been able to support the CNSAS teams of Veneto, Piedmont, Tuscany, and Liguria.**

4 - MOUNTAIN FRIDAY & MOUNTAIN MONTH

For a responsible Black Friday

Alpine Rescue interventions increase significantly in the winter, when the conditions become more difficult and the terrain more dangerous.

For this reason, on the occasion of Black Friday 2023, we decided to do something special for the mountains: for 15 days, we donated 10% of the turnover generated by our online shop to the Alpine Rescue stations that we partner with. This was our way of providing tangible support to all mountain enthusiasts and to all the volunteers who choose to spend their free time helping others.

5 - CUORE ATTIVO MONTE ROSA

A group of volunteers founded the Cuore Attivo Monte Rosa association with the objective of giving something back to the ethnic communities of eastern Nepal, by offering medical, educational, and environmental assistance. The members are alpine guides, physicians, and photographers who've had their most profound life experiences in these lands.

The activities carried out by the volunteers in the Makalu and Arun valleys include the reconstruction of schools and infrastructure, setting up medical camps in remote areas, and school training to assure the local population a minimum level of education. Since 2017, Cuore Attivo Monte Rosa has contributed to the reconstruction of three schools and delivered more than 17 tons of food and 140 kilos of medical kits.

Significant numbers that accompany the training initiatives for local guides through which the association intends to lay the foundation for restarting the local economy, which is still struggling to take off.

6 - REBUILDING COL GALLINA'S HISTORY

Every mountain tells a story, passes on a teaching. On the outcrop of Cima Gallina (Eastern Dolomites) stand the Italian artillery outposts, dormitories and observation posts that were the theater of conflicts between Italian and Austro-Hungarian troops during the First World War.

Visiting the outposts of the Italian army is now possible thanks to the work of the Col Gallina refuge manager, who has been managing and renovating the site for several years. A 360-degree experience, like the breathtaking panorama on the horizon, from the Marmolada group to the Tofana di Rozes, between one anecdote and another brought to light by historical re-enactors. The visits are aimed at tourists and students, who come to Cima Gallina to learn about the past and keep its memory alive.

7 - A HELPING HAND FOR THE UKRAINIAN REFUGEES

In early 2022, we decided to provide tangible help to the civilians forced to flee the conflict in Ukraine. We donated 50,000 euros to the fund for Ukrainian refugees established by the Veneto.



8 - KEEP THE MOUNTAINS

In collaboration with Marco Confortola, we launched the Keep the Mountains initiative to raise awareness among young people of the importance of caring for and maintaining the mountain areas and those who live there.

Marco accompanied some students in the “Prevention and Safety in the Mountains and at High Altitude” postgraduate course on an educational outing in Valfurva, illustrating how some simple actions can generate a significant positive impact on the mountains and the surrounding areas.

Carrying out trash, supporting the activities of the rifugi, and sharing the culture of safety in the mountains are the starting point for a respectful and aware approach to every climbing endeavor.





HELP THE MOUNTAINS

9 - RIFUGIO SEYTES PROJECT

Rebuilding a mountain rifugio in Pragelato (province of Torino) to then use the proceeds from the business activity to finance humanitarian missions in South America as part of Operation Mato Grosso.

This is Rifugio Seytes, the three-year Missione Montagna project that we've chosen to support in 2022 based on shared ideals: climbing high to help those below.

It's a journey of solidarity and shared effort, with the least possible impact on the environment. In the first phase, more than 300 volunteers carried on their backs the necessary materials to reconstruct the rifugio.



10 - WATER & BEYOND

The consequences of the melting of the glaciers are particularly evident in the Himalayan regions, where much of modern mountaineering history has been written.

In these areas, the survival of small local communities and their culture is threatened by long periods of drought.

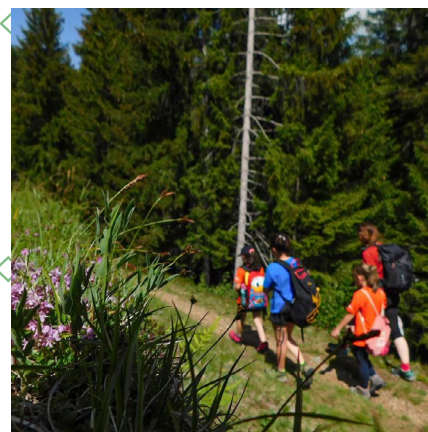
So we decided to support a research project led by Angelica Pastorella, who has documented the situation of the Ladakhis, a people fighting every day against desertification caused by the melting of the Drang Drung and Parkachik "black glaciers." A story of resilience that makes us reflect on the need to invest in innovative solutions to respond to a phenomenon that will only worsen over time.



11 - A LIGHT STEP

We supported A Light Step, the environmental education project developed by Family CAI (Club Alpino Italiano) Macherio-Vedano and CAI Vedano, in collaboration with the Ecosviluppo cooperative, which aims to **raise children's awareness of the importance of leaving as light a footprint as possible when enjoying the mountain environment.**

The educational program taught young hikers how to measure their ecological footprint, using games and interactive laboratories, and concluded with the development of a thematic route along a mountain trail.



12 - A MOUNTAIN OF SAFETY

“A Mountain of Safety” is the educational project promoted by the Veneto Alpine and Speleological Rescue to raise younger generations’ awareness of issues relating to injury prevention and safety in the mountains.

In response to the increase in interventions by the Alpine Rescue technicians and volunteers, the organization created brochures and short animated videos aimed at children and adults. This gives mountain lovers practical tools for safely experiencing the outdoors.



13 - SLOW MOUNTAIN MUSIC FESTIVAL

Dolomiti Arena – Slow Mountain Music Festival was created with the aim of raising the profile of the Dolomiti Bellunesi area and its actors, through concerts in significant locations and tastings of local specialties.

14 - AFRICA ATHLETICS

Africa Athletics is a project that promotes culture, education, and sports in Malawi with the goal of conveying healthy values and lifestyles via athletic activity.

15 - SUPPORT FOR THE FELTRE HOSPITAL

The COVID-19 pandemic required nurses to work outdoors, so we decided to donate our warmest garments to the COVID testing unit at the Feltre hospital.

HELP THE MOUNTAINS IS ABOUT SHARING AND PARTICIPATION.



Via the appropriate online form, people can nominate their projects to be supported by the Help the Mountains program.

An internal committee will select the projects most consistent with the values and objectives of the program.

MATERIALS AND TECHNOLOGIES



The technical garments we produce are **the result of our manufacturing ability,**

where technology and innovation come together.

100%

T-SHIRTS FROM THE LIFE STYLE COLLECTION ARE MADE WITH 100% ORGANIC COTTON

To make performance responsible, we combine research and development with our suppliers' technologies and materials, carefully selecting our partners.

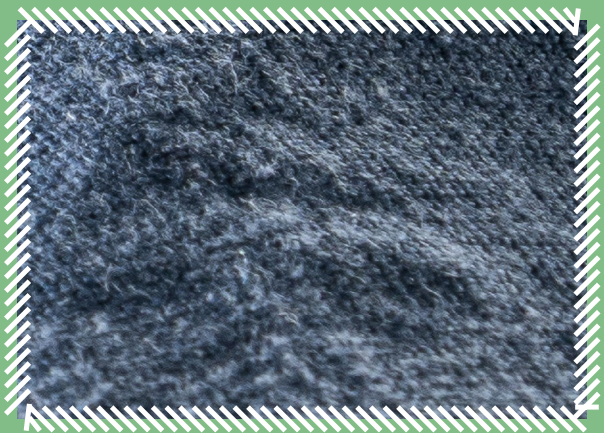
Synergy with suppliers has thus led us to use recycled fabrics as raw materials for production, to research and use some natural fibers and new sustainable synthetic materials, and to use fabrics and technologies of controlled origin.



MATERIALS AND TECHNOLOGIES



MERINO WOOL



HEMP



ORGANIC COTTON



NATURAL DOWN



LYOCELL TENCELL®



RECYCLED POLYESTER



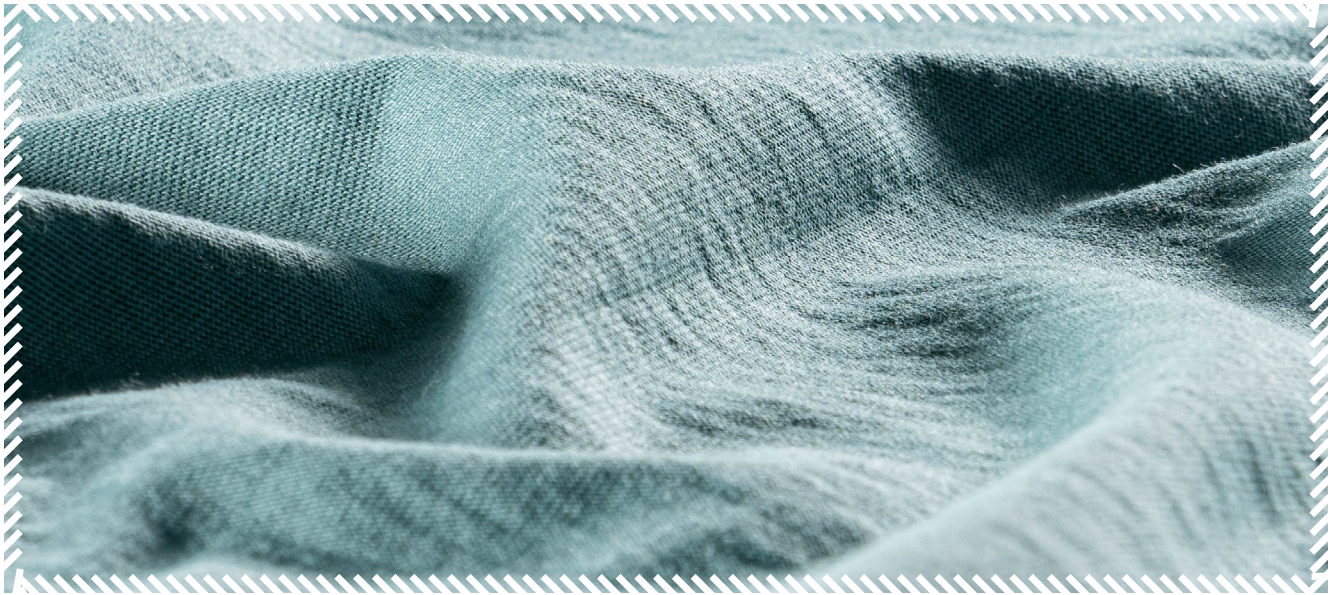
PERTEX®



DWR TREATMENT

ORGANIC COTTON

DURABILITY AND ENVIRONMENTAL FRIENDLY THERMOREGULATION



Organic cotton is a natural fiber that does not contain residues of pesticides, insecticides, or other chemicals that are harmful to health and the environment, unlike conventional cotton.

The processing phases of conventional cotton are a key contributor to global pollution and are often accompanied by the exploitation of workers who are employed in the poorest rural areas. In addition, the chemical substances resist washing and are released into the water, posing a risk to people's health.

In the cultivation of organic cotton, organic fertilizers are used instead of chemical ones, resulting in a 46% reduction in the contribution to global warming and a 91% water savings, all with greater respect for working conditions along the production chain.

In 2022, we began using organic cotton and are gradually eliminating the use of standard cotton. In 2023, we introduced two additional natural fibers to the line of climbing and casual clothing: hemp and merino wool.

We chose to use hemp because of the fiber's properties: softness, durability, and excellent breathability.

These qualities allow hemp to be blended with organic cotton and Lyocell to create long-lasting garments that provide excellent thermoregulation.

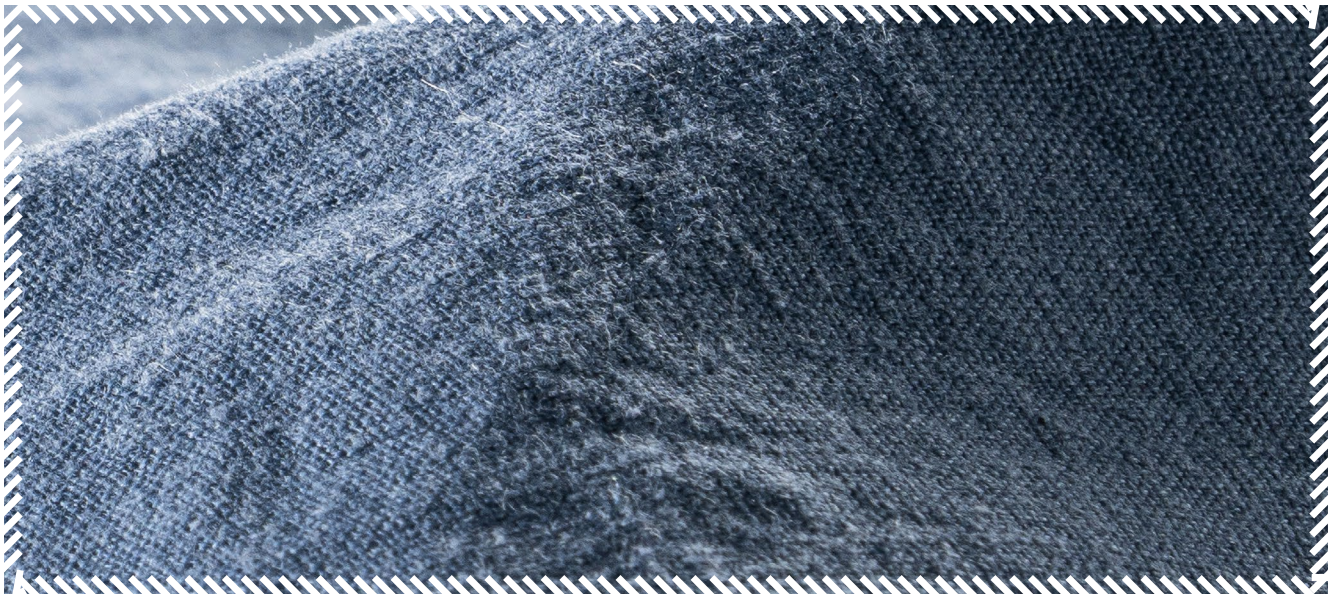
Furthermore the advantages of using organic cotton are not limited to the reduced environmental impact: the cotton is harvested by hand, and the longer and stronger fiber results in softer and more durable garments.

In 2022, 15% of the items in the LIFE STYLE line in our collection were produced with 100% organic cotton. For **Karpos**, this represents a starting point as we move toward increased use of this material and gradual elimination of conventional cotton. In fact, in 2023, 42% of the products in the climbing and casual wear line were produced with at least one organic cotton fabric, either alone or mixed with other materials, with composition percentages between 45% and 100%.

For **Karpos**, using organic cotton instead of conventional cotton means choosing a supply chain that is attentive to consumption and to the working conditions of the growers.

HEMP

SOFTER AND WITH REDUCED CONSUMPTION



The introduction of new natural fibers is a key area of focus for our research on and use of sustainable materials in our products.

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We chose to use hemp because of the fiber's properties: softness, durability, and excellent breathability.

These qualities allow hemp to be blended with organic cotton and Lyocell to create long-lasting garments that provide excellent thermoregulation. The durability of the fabric derived from *Cannabis sativa* is complemented by the sustainability of the plant's cultivation. Hemp is a natural fiber that is extremely environmentally friendly. Its cultivation does not require pesticides or fertilizers, due primarily to the rapidity with which the plant grows and the pest-resistant oil that coats the stem and leaves, resulting in less pesticides released into the environment.

The fiber obtained from the plant is also biodegradable and thus reduces the amount of waste that needs to be disposed of.

Using hemp, we aim to produce garments that perform well while respecting the environment.

MERINO WOOL

MULESING-FREE THERMOREGULATION



Merino wool is a natural fiber that comes from the fleece of the merino sheep and is extremely soft, breathable, and insulating.

The result is a superior fabric that provides outstanding thermoregulation and an excellent ability to absorb odors. Beginning in 2023, we have been using merino wool in combination with other fibers in the garments of the Life Style line — especially T-shirts and sweatshirts from which we want to obtain good breathability and a comfortable degree of warmth. The use of merino wool represents a return to our roots. Our history, which began with a woolen

mill producing high-quality fabrics, requires us to revisit and innovate this tradition.

We know the origin and quality of the merino wool we use. The material comes from South Africa and South America, from mulesing-free certified farms that guarantee humane treatment of the sheep. Mulesing, which is still a widespread practice in the clothing and fashion industry, involves the removal of the skin in the animal's perianal area and sometimes also the tail to prevent the spread of an infectious disease.

LYOCELL

BREATHABILITY WITH LOW ENVIRONMENTAL IMPACT



Lyocell fabric offers excellent breathability, absorbs up to 50% more moisture than conventional cotton, and absorbs odors to a lesser degree than other materials.

Lyocell's properties allow it to be combined with cotton, polyester, acrylic, wool, or silk to obtain a soft, lightweight product that dries quickly while maintaining a long-lasting feeling of freshness.

It's not easy to make the production of a semisynthetic fiber sustainable. Lenzing succeeds, and for this reason we've decided for the moment to rely on only this supplier when we want to use Lyocell.

To obtain Lyocell with these performance characteristics, but with an eye to environmental impact and resource consumption, we turn to the Austrian company Lenzing, which marks this synthetic fiber of plant origins with the TENCEL® brand. In fact, Lyocell derives mostly from the eucalyptus plant, which makes it one of the most sustainable artificial fibers. The plant grows very quickly, which allows for significant savings in terms of energy and water consumption — up to 80% lower than the cultivation of a conventional cotton plant. The process of breaking down the wood into cellulose uses nontoxic organic substances that greatly limit any potential negative impacts of the fabric on the health of the consumer and on the environment. The fabric obtained is also naturally biodegradable and compostable.

PERTEX®

MAXIMUM PROTECTION WITH MINIMUM WEIGHT



High thermal, water and wind protection, with a focus on respect for the environment and the wearer. Thanks to our partnership with Pertex®, over the years we have developed the most innovative solutions on the market, combining the unrivaled performance of Pertex® fabrics to create garments with reduced impact.

Pertex® Shield Revolve™ is the latest introduction to Pertex® and combines the sustainable origin of recycled fabric, with benefits in terms of less energy and water consumed for a new production cycle, with the absence of perfluorinated chemicals (PFCs) in the external DWR treatment.

With water resistance of 20,000 columns of water and breathability of 15,000 g/m²/24h, our kit consisting of Midi Shell Jacket and Midi Shell Pant is the ideal solution for those looking for a multi-day adventure in good company, among glaciers and high mountain huts, respecting nature and what it has to offer.

RECYCLED POLYESTER

MISSION: RECOVERING PLASTIC



Polyester is one of the most-used materials in the textile industry due to its lightness, durability, and flexibility. However, its production uses harmful chemicals that contaminate global water networks and pollute the water supply for entire local communities.

We therefore looked for a way to reduce the production impact on the environment, and we found it in the use of recycled polyester. Only 9% of the world's plastic is recycled. Pollution linked to the improper disposal of plastic is such a serious phenomenon that it compels us to transform our daily practices, both as people and as a company, following the principles of the circular economy. Even what appears to be waste can be a resource for creating high-performance products!

Since this is an irreplaceable material for us, we are encouraging our current suppliers to study innovative solutions for using recycled polyester (rPET) rather than remanufacturing it.

DWR TREATMENT



DWR (durable water repellent) is a treatment that we use on garments that need to provide greater protection from water and dirt.

Specifically, the fabrics are impregnated by jets or immersed directly in DWR, a coating added to fabrics in the factory to make them water repellent. This means that in rainy or snowy conditions, the water runs off the outer fabric without entering, keeping you dry.

This would reduce the emission of greenhouse gases and the pollution of waterways. It's an important challenge that research has enabled us to overcome and that could have a major impact on the quality of the environment in which we live.

DWR treatment involves chemical products such as perfluorocarbons (PFCs), a family of 8,000 different substances that are gradually released into the environment and onto human skin. The impact of the substances used in C8 DWR, which was long the standard in clothing, was denounced by Greenpeace in 2012. Since then, suppliers have worked to significantly reduce the presence of fluorocarbons in the DWR treatment, introducing the C6 version and working toward C0, with the total absence of fluorocarbons. Collection we will apply a DWR C0 treatment to the following garments.

NATURAL DOWN

EXCELLENT AND CERTIFIED WARMTH-TO-WEIGHT RATIO



Natural down is one of the most used insulating materials in the world of clothing. Thanks to its ability to trap a great deal of air, it offers an excellent warmth-to-weight ratio, in addition to being malleable and able to adapt perfectly to any shape or space.

For **Karpos** garments, we use down from both ducks and geese. Both retain heat very well, but duck down is lighter and warmer than goose down. All the down used to make our garments is certified and comes from humanely treated birds.

We use 2 types of down in our garments:

DUCK DOWN

90/10 FP800 DWR



GOOSE DOWN

90/10 FP800 DWR

Fill power

Fill power represents down's ability to fill a space. It's the unit we use to measure how much volume the down occupies for each ounce of weight. The greater the volume occupied by an ounce of down, the greater the thermal capacity of the garment.

Fill power is generally classified according to values ranging from 100 to 800, with the number increasing with the increase in thermal capacity.

Down or feathers?

Feathers have a rigid central spine, the rachis, that the various filaments branch out from. Down, the most prized part of the plumage of ducks and geese, has no rachis; instead, it has a loose structure with a central core and barbules that trap air. It's usually found under the neck and in the chest area of birds. Compared to feathers, it's very light and fills a large volume."

90/10, 85/15, 70/30...?

The figures 90/10, 85/10, etc., indicate the percentages of down and feathers, respectively, contained in the garment. A 90/10 jacket will therefore contain 90% down and 10% feathers. An 85/15 jacket will contain 85% down and 15% feathers, and so on.

DWR treatment

Down is a hydrophilic material, so it tends to absorb water — a feature that makes garments made with this material unsuitable in damp conditions. Once wet, feathers and down lose their insulating capacity. Today, this problem is partially solved with an innovative DWR treatment that's applied directly to the down. This allows the down feathers to be waterproofed while retaining unaltered their insulating properties, even in extremely damp conditions.

ENVIRONMENTAL IMPACT



The textile and clothing sectors are statistically among the most polluting globally.



According to data provided by the European Parliament's activity report, the textile sector was responsible for 10% of total carbon emissions worldwide, more than the pollution generated by international flights and naval shipments combined.

In addition to CO₂, due to the complexity of the production processes and the transport of intermediate and final goods, there is also the release into the environment of chemical and toxic substances, which are used above all in the dyeing phase, as well as the excessive consumption of water during the coloring of garments.

To make the production of our technical clothing more responsible from an environmental point of view, and consequently safer for consumers' health, we are committed to selecting fabrics with environmental certifications. These certifications allow the production chain to be traced and ensure a responsible production process, as well as improving the performance of the entire process. With this objective, we have imposed stricter limits on our suppliers than those established by European legislation, in terms of both the type and quantity of toxic substances that can be used.

BLUESIGN® APPROVAL RECOGNIZING THE COMMITMENT TO SUSTAINABILITY



We care a great deal about the safety of the people involved in the production process, but also about the health of the final consumer and environmental integrity.

In order to be able to trace the entire production chain, from the manufacture of the fabric to the creation of the finished product, we ask our suppliers to obtain Bluesign® approval when supplying the fabrics, or to work toward obtaining it for subsequent collections.

Through Bluesign® approval, we have visibility into the manufacturing methods and the chemicals and polluting substances used and can determine fabrics' impact on the environment. In addition, the annual renewal of the approval acts as an incentive for suppliers to continuously improve their performance with respect to responsible development and production.

MVC Group has also asked suppliers to commit to not using certain types of chemical and harmful substances and to comply with limits that are more stringent than those imposed by European legislation in the case of permitted substances.

PEF RECOGNIZING ENVIRONMENTAL IMPACT



PEF (Product Environmental Footprint) is a universal system for measuring the environmental impact of a product throughout its life cycle.

It was developed following Recommendation 2013/179/EU, an act introduced by the European Commission to enable companies to measure and manage their impact along the production chain.

The quantification of the PEF is based on the LCA (Life Cycle Assessment) method and involves breaking down all the production phases and analyzing the flows of materials and energy and the emissions of toxic substances and waste production (and their disposal) during the life cycle and in the post-consumer period.

Eurojersey, our supplier of garments with Sensitive® fabric technology, received the PEF certificate in 2020 for 2019. The production data demonstrate a significant improvement compared to previous years in terms of lower energy and water consumption and emissions of toxic substances into the environment. The footprint of a product with Sensitive® technology can be estimated using the Footprint Calculator on the supplier's website. This gives an indication of the amount of carbon produced by a product during its entire life cycle. This decision to promote corporate transparency signifies a strong drive toward continuous improvement.

ENERGY USE AND EMISSIONS



The first step in **MVC Group's sustainable development strategy** was to try to limit our

environmental impact as much as possible.

270.000 KWH SELF-PRODUCED PHOTOVOLTAIC ENERGY IN 2023

Start in 2023 **MVC Group** has been using only electricity generated from renewable sources to power the offices at its headquarters in Fonzaso, Italy.

In 2023, Seventy-two percent of this energy (270.000 KWH) was self-produced by the photovoltaic panels installed on of the headquarters in Fonzaso. The remainder was purchased from certified wind farms in Puglia.

By the end of 2025, **MVC Group** aims to be using 100% renewable energy at all its sites, including those in foreign locations.



2 - SUSTAINABLE MOBILITY

MVC Group promotes and encourages sustainable mobility.

At MVC Group headquarters, charging stations for e-bikes and electric cars have been installed in the parking areas. The stations can be used at no cost by employees and **MVC Group** stakeholders, who in this way are incentivized to adopt zero-emission mobility solutions.

The group's commitment also extends to customers and visitors to the **MVC** store, the hub for lovers of the outdoor world, which was designed and built according to environmental and energy sustainability criteria. At the Fonzaso store, people can recharge their vehicle batteries while shopping or heading out into the nearby mountains. It's an element that is expected to appear in the further development of the group's retail channel.





PERFORMANCE AND RESPONSIBILITY

Our products tell of an unconventional passion for the mountain sports that energize us and of our way of experiencing them with lightness, intensity, and color.

At **Karpos**, we try to transfer our way of living the outdoor life into our production processes.

We're aware that we cannot eliminate our impact, which is why we're trying to limit it as much as possible in the development of our new collections.

We pursue "responsible performance" in the belief that aspects such as consumer health and safety, the protection of workers' human rights, and the humane treatment of animals are just as important as warmth, waterproofness, and breathability.



UPCYCLING



Recovering materials and recycling fabrics are our way of putting the circular economy into practice.

It's a commitment that we strongly believe in and that has its roots in the teachings of Signora Rina and all our grandmothers who have passed on to us the culture of reusing objects to create something new.

29297

GARMENTS UPCYCLED BY RECOVERING FABRICS, ZIPS, ELASTICS AND LABELS

A simple concept, but one that we're carrying forward with determination in order to reduce raw material waste, energy consumption, and the polluting substances generated by new production.

The **Rina Bag**, the bag/backpack for use on mountain excursions or in everyday life, is an example showing how it's possible to produce a simple but highly useful object by recovering from the warehouse rolls of fabrics, labels, and elastics but maintaining the same performance.

This gave us the idea of designing and developing new products with these characteristics, to inspire current and future generations to consciously (re)use available resources. For this reason, over the upcoming seasons we plan to produce more complex accessories and garments following the principle of upcycling. The line of products with these characteristics will be marked with the "Upcycled" label, which will allow customers to identify their origin and composition.



UPCYCLED COLLECTION

“For us at Karpos, reusing available resources is a value as basic as it is important. A practice that our parents and grandparents passed on to us. In their day, especially in the small mountain villages, life was hard, which naturally led everyone to look for value in everyday objects.”

The same jacket was passed down from one child to the next in large families as they grew. Wood and paper were used to make a wide variety of objects, including shoes and school backpacks.

This practice was dictated by the economic difficulties of the time and by a profound respect for the materials that had sustained previous generations. Our story, which began in 1946 with a wool spinning mill in which the scraps were reused in subsequent production, has taught us that finding a new context is all it takes to make anything functional and useful again, giving it new life.

“Upcycle - Reuse - Rethink” is our reinterpretation of this teaching, which we still proudly maintain today. A slogan that sums up our commitment to creatively reuse fabric rolls, zippers, and labels, while inspiring current and future generations and eliminating the consumption associated with a new production cycle.

Creativity and manufacturing experience have led us over time to develop a new line of products with the aim of minimizing waste from our warehouses. The result is the family of garments marked with the “upcycled” label, which attests to the origin and provenance of these limited-edition technical garments.

It’s a constantly evolving line that started with the Rina Bag and is expanding to include fleeces, hoodies, and, in the future, also jackets. Each product is designed based on the type of materials available: technologies and zippers come together to create a new story to tell!

HIGH PERFORMANCE AND CIRCULAR PRODUCTS



UPCYCLED COLLECTION

- RINA BAG - RECOVERING THE PAST TO PRESERVE THE FUTURE



The Rina Bag is not just a product but a way of thinking and acting.

Reuse of materials is one of the values that has guided **Karpos** and **MVC Group** for more than 70 years. This philosophy found its expression in the spirit and charisma of Signora Rina, the doyenne of Manifattura Valcison.



The Rina Bag by the numbers

Updated through January 2024 production:



13834 Bags produced



4842 M. of fabric



41502 M. of elastic



13834 Labels reintroduced

RINA BAG

As our grandmothers often do, Rina taught us that we can give new life to almost anything and, above all, that we shouldn't throw anything away because it could be useful, perhaps in a new and different context.

With the Rina Bag, dedicated to her, we want to symbolically thank the previous generations for their teaching and at the same time pass it on, inspiring future generations.

PACKAGING



Packaging is, together with the garments we produce, the indelible footprint of our business. Its impact on the environment can be irreversible.

Aware of this, we have redesigned the packaging in which our products are shipped.

27.760

PLASTIC BAGS SAVED THROUGH SHIPPING IN PAPER BOXES FOR FAIRS AND EVENTS

Thanks to our partnership with Termoplast Nord, a certified local supplier, beginning in the second half of 2021 we have adopted a 100% recycled plastic poly bag, which is currently used to bag and ship 70% of our garments ordered in the European market.

In 2023, this packaging system was also adopted in 100% of the pre-consumer market, including in Asia. The use of recycled packaging has allowed us to improve various aspects of our environmental performance, reducing energy consumption and CO2 emissions resulting from a new production cycle by up to 35% compared to conventional plastic.

We have redesigned and redeveloped the graphics, displaying the essential information and using only one print color, with consequent savings in ink used and less damage in case of dispersion in the environment.

Plastic continues to be one of the most polluting materials, and one of the objectives of **Karpos** and **MVC Group** is to reduce the use of this material as much as possible, until it is totally eliminated. We have therefore funded studies on the use of alternative materials for packaging and measured their performance based on the method of transport and type of packaging. The results show us that at this point it is not possible to use alternative materials, such as paper or synthetic materials, without damaging the products inside and the risk of incurring new production processes for their repair.

The search for alternative materials to plastic for packaging is an issue that affects the entire fashion and clothing sector. We at **Karpos** are in favor of sharing relevant information and discoveries, knowing that their impact could extend well beyond the confines of our industry.

Consumers also play an important role in this process. Together we can achieve significant results in a short time by reusing the bags and disposing of them correctly!

PRODUCT CARE LONG LIFE TO OUR GARMENTS!



Seeing mountain and outdoor enthusiasts use our products for as long as possible, ideally for life, is a **source of pride for us.**

Long use does not mean loss of effectiveness. From the first to the last day of use, the products provide the same level of performance and the same standards of safety.

10 TIPS ON HOW TO CARE FOR YOUR GARMENTS AND EXTEND THEIR LIFE CYCLE

To ensure that they last over time, retaining their technical characteristics, it's important to take care of them, thus obtaining a double benefit: extending the product's life and helping to protect the environment by reducing our impact on it.

Remembering to take a few simple steps — such as considering the type of washing, learning how to use the washing machine's functions effectively, and treating and drying clothing correctly — can help preserve garments and limit the impact of washing on the environment. Doing laundry means using energy and releasing chemical substances into the wastewater. Being aware of this helps us understand the importance of implementing useful and positive solutions, both for our gear and for the environment.

On our website you can find **Product Care**, with 10 tips on how to extend product life.



OUR RECOMMENDATIONS FOR ALL CLOTHING ITEMS



1. ALWAYS READ THE LABELS

The first step in taking care of our clothing is to follow the instructions on the garment's label. Some symbols are easy to understand, others less so. Knowing how to read them correctly helps to extend the life of the products. In general, the best way to wash **Karpos** garments is at a low temperature and using a delicate detergent, and then dry them outdoors.



3. LEARN HOW TO USE YOUR WASHING MACHINE

Modern washing machines have eco programs that, if used correctly, combine excellent washing performance with energy savings. In general, try to use low-temperature programs; both the fabrics and the environment will benefit. When possible, to avoid stressing the fibers, avoid spinning above 800–900 rpm.



5. BE CAREFUL WITH ACCESSORIES

If you need to wash garments with many accessories (metal rivets, hooks, cord-lock toggles, zipper pulls and sliders, buttons), it's best to put them in a wash bag to keep them from damaging the washer or other clothes.



2. WATCH OUT FOR ZIPPERS, VELCRO, AND DRAWCORDS

Remember to always close zippers to prevent the zipper teeth from catching on other garments and damaging them. The same applies to closures with Velcro. Drawcords, in contrast, should be stretched out and not closed, both to reduce stress on the fibers and to make washing easier.



4. DON'T USE THE DRYER

Many fabrics can be damaged, melt, become matted, or shrink if placed in the dryer. The dryer also tends to weaken the fibers.





6. LIMIT THE DISPERSION OF MICROPLASTICS

Place synthetic garments and garments with a high synthetic fiber content in a wash bag to prevent the dispersion of microplastics into the environment. This is particularly important for winter garments like fleeces or clothing made with brushed fabrics or synthetic insulation. Microplastics pollute rivers, lakes, oceans, and glaciers, endangering animals as well.



8. HANG INSIDE OUT

When you hang garments out to dry, turn them inside out to prevent the color from fading in the sunlight. But try to hang them in the shade when you can.



10. A WORLD OF COLORS

Karpos is a colorful brand. After drying them, have fun arranging the garments according to your personal color scale. But remember to store them correctly at the end of the season. Down jackets, in particular, shouldn't be closed in a bag or crushed under other clothing, causing them to lose volume and therefore the air "trapped" by the insulation. It's better to hang them on a hanger.



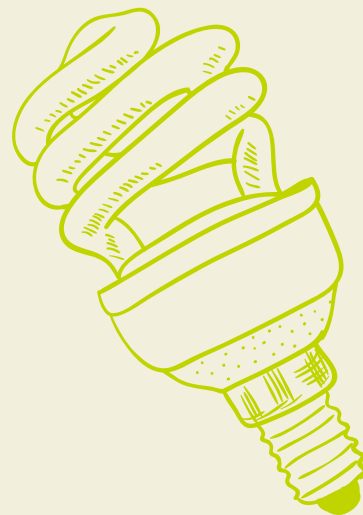
7. WASH ONLY WHEN NECESSARY

Before starting the washer, always think of the environment and your impact on the planet. Jackets and fleeces, like many other winter garments, do not need to be washed frequently. If a garment is not very dirty, or you've worn it only briefly, choose a short program or hand wash. Similarly, when a garment is very dirty, do a manual prewash. Opt for base layers with Polygiene treatment to reduce the number of washes needed, even after vigorous activity. Polygiene is a permanent fabric treatment that prevents the proliferation of microorganisms such as bacteria and fungi that can cause unpleasant odors. For the washing machine, opt for detergent capsules rather than liquid or powder detergent.



9. DWR TREATMENT

Most jackets that are waterproof and breathable have these characteristics thanks to the addition of DWR (durable water repellent) substances. The treatment prevents the external fabric from becoming saturated, thus allowing the garment to maintain its breathability. Regular cycles of washing and drying, which keep the garment clean, also help to reactivate the DWR treatment. After many adventures, this will no longer be sufficient. When you notice that the water doesn't bead up on the fabric anymore, it's time to apply a new layer of repellent. You can do this using convenient spray cans, which are available in specialty stores.



GOALS

The journey towards sustainable development is a step-by-step process. We work every day to minimise the impact of our activities in many ways: social, human, environmental, and productive. As in our outdoor outings, we have travelled the first part of the path, also thanks to our companions. We are aware that the track ahead of us is still steep, and that we are looking at the summit through binoculars. However, even longer distances can be covered more easily if we never lose sight of the destination point, and follow the signs carefully. For us, future goals have this purpose: they guide our next steps, making a new path not a stopping point, but a starting one.





ISO 45001-> By the end of 2024, MVC Group will start the process of obtaining ISO 45001 certification, concerning the creation of a 'safety culture' throughout the entire supply chain. To increase the well-being of employees and partners, and at the same time, company performance.

50,000 PLASTIC BAGS SAVED->To supply B2B events, shipping our garments in paper boxes instead of individually wrapped in recycled plastic packaging allowed us to reduce the amount of microplastics potentially released into the environment. In 2025 we expect to reach 50,000 bags saved in this way.

50,000 ITEMS CREATED WITH UPCYCLING-> The philosophy of upcycling is part of our manufacturing history. The upcycled line has evolved since 2022 to include fleece, t-shirts and accessories. By the end of 2025 we expect to reach 50,000 garments created by recovering fabrics, elastics and zips from our warehouse.

100% SELF-PRODUCED RENEWABLE ENERGY (HEADQUARTERS)-> At the heart of the MVC Group's sustainable development strategy is the expansion of the production capacity of the solar panels installed at the Fonzaso site to meet energy needs by 2025.

GARMENT REPAIR SERVICE-> We want to take the durability of our garments to the next level by introducing a repair service to restore their original technical characteristics.



Karpos, a brand of MVC Group

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