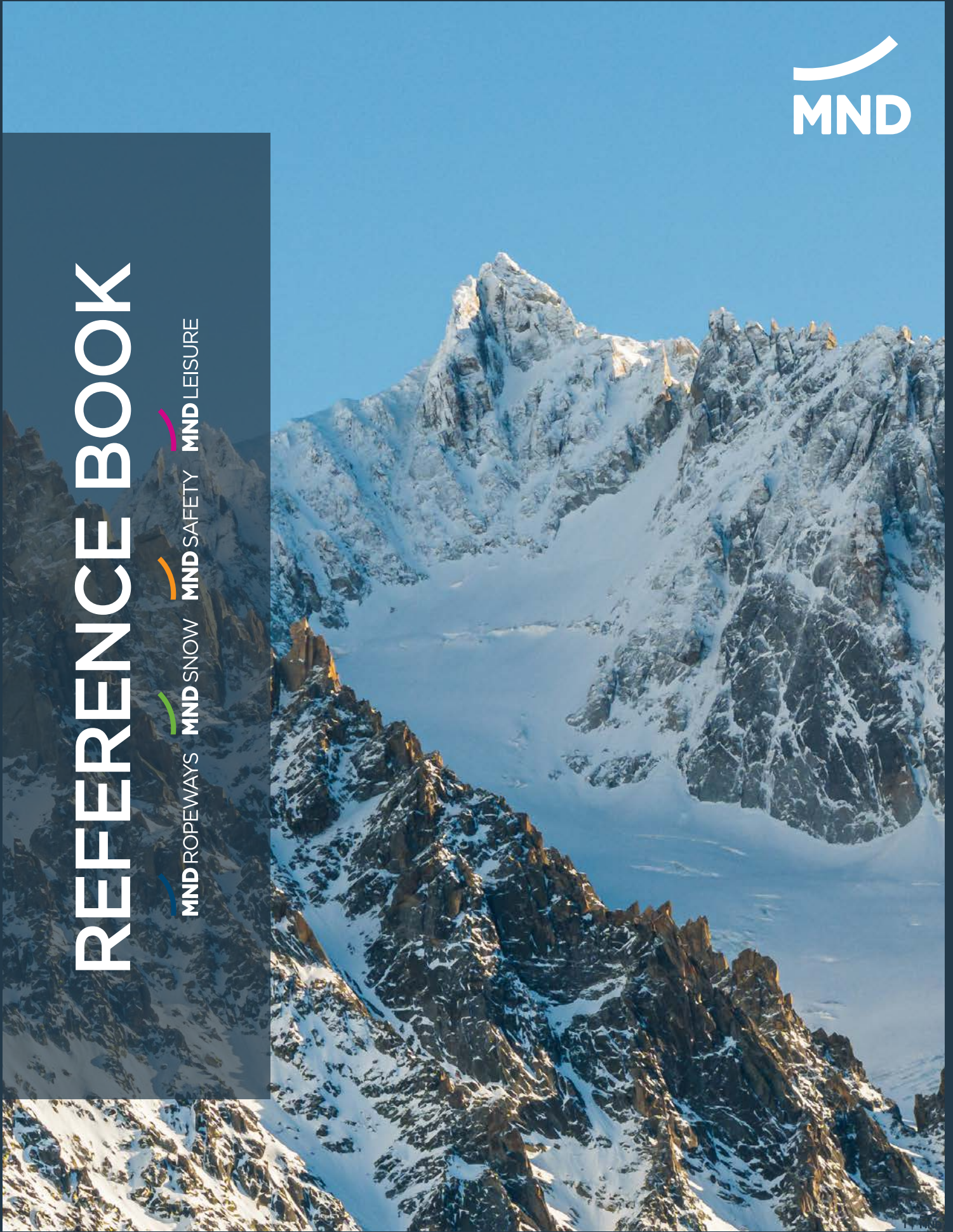


REFERENCE BOOK

 **MND ROPEWAYS**  **MND SNOW**  **MND SAFETY**  **MND LEISURE**







EDITORIAL

XAVIER GALLOT-LAVALLÉE

Chairman



Since its creation, MND has been driven by a clear ambition: to innovate and excel in the world of mobility and leisure in demanding environments. The journey has never been linear, but it has always been guided by a strong belief: moving forward with commitment, by adapting to the challenges and changes of our sector.

We owe this development first and foremost to the teams who bring MND to life every day, to you, clients and partners, who place your trust in us, and to the mindset that drives us: delivering concrete and sustainable solutions while staying attuned to the needs on the ground.

Today, with international reach and roots deeply embedded in the Alps, we continue to move forward with the same high standards. The launch of ORIZON™, our new detachable lift range, is a perfect example: a solution designed for four-season use, more efficient, and environmentally friendly. This approach reflects our commitment to responsible innovation, favoring local production and high-performance technologies.

This year represents a new milestone with the launch of our Yes We Care 2030 strategic plan, fully dedicated to client satisfaction. In the following pages, you'll discover the key priorities of this plan, which will shape our development for the years ahead.

MND is, above all, a collective adventure, marked by shared challenges and a common determination to build useful and sustainable infrastructure. This energy is what allows us to approach the future with both confidence and humility.

Thank you to all those who are part of this journey and who, each day, help write the next chapter.

Xavier GALLOT-LAVALLÉE



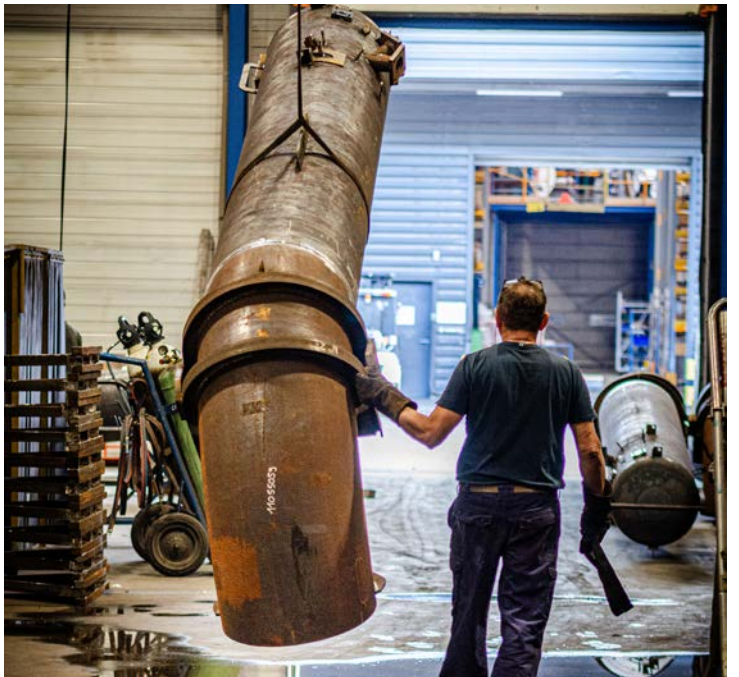


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MND

The mountain is a world of challenges, it requires sharp expertise. These challenges demand that stakeholders adopt a global, sustainable, and long-term vision.

Our choice: to offer a comprehensive approach that addresses safety, leisure, and mobility issues in ways that respect the environment, whether urban or natural.

The upward curve in our three-letter logo reflects the spirit of our teams: succeeding together on a shared path, advancing our trades, and bringing smiles to our clients and the end-users of our solutions.

 **MND** ROPEWAYS

 **MND** SNOW

 **MND** SAFETY

 **MND** LEISURE

OUR PURPOSE

« To contribute to safety, leisure, and mobility for all by offering our clients proven and sustainable solutions based on our experience in developing mountain sites. »

ONE PARTNER MANY SOLUTIONS



GLOBAL OFFER

As a leading industrial group in mountain development, MND operates worldwide. Strategically, we made a clear choice:

« **One partner, many solutions** ».

« **One partner** » because project complexity requires efficient, rapid, and coherent execution, a fluid synergy between trades, a shared trajectory, and perfectly integrated results.

« **Many solutions** » because every context is unique and requires high-level expertise, a result of our industrial excellence.



Watch video

4 BUSINESS LINES

ROPEWAYS, SNOW, SAFETY, LEISURE :

Four distinct yet complementary domains in which MND ranks among the global leaders. Products designed and manufactured in the Alps, a benchmark region in mountain development and the birthplace of our future.

Field-based teams grounded in reality. References across the globe's major mountain ranges, and innovations extending to urban transport solutions.

KNOW-HOW

This is our core business. The men and women at MND are our most valuable asset. Knowledge is one thing, and we have the best experts in each field.

But execution is essential. Our teams demonstrate operational excellence in the field. We study, manufacture, install, and maintain by your side.

EXPERTISE
Made in the Alps

MND, 20 YEARS OF HISTORY

20 years of entrepreneurship innovations people

The Group has continued to grow thanks to the integration of pioneering companies in their core business, the diversification of activities, industrial innovation and experience acquired through projects in France and internationally.

MND is also a fantastic entrepreneurial adventure which has seen a family business transform into a major industrial group for the development of mountain sites while retaining its values, its attachment to its Made in the Alps expertise and its agility in terms of innovation and development.

1963

In 1963, the world of snowmaking is experiencing a revolution with the first snow fan gun by Linde.

In Austria, SUFAG was created in 1983, while in Sweden ARECO emerged.

In 2013, these two leading companies as well as SNOWSTAR were integrated to MND thus joining the world's top 3 in artificial snow.



1988

Jacob Schippers develops the «Gaz Ex», which makes it possible to trigger preventive avalanches from a desk and a gas shelter.

Gaz Ex subsequently becomes part of TAS (Technologie Alpine de Sécurité), MND's first company in 2004.



1989

Creation of LST (Loipolder SeilbahnTechnik), a German cable transport manufacturer, by Peter Loipolder who developed the chairlift with fixed clamp technology.

In 2012, LST joined MND to expand the group's offering to ropeways solutions with chairlifts, surface lifts and conveyor belts.



1993

In Valloire, PRISME is developing a new kind of leisure activity: via ferrata.

PRISME, renamed TechFun, joined MND in 2012, completing the group's global offering with a leisure business line.



1994

Creation of MBS : manufacturer and distributor of resort equipments, specializing in international sports competitions.

In 2000, Xavier GALLOT-LAVALLÉE took over this family business, the founding entity of MND.



2004 ★

On the occasion of the merger between MBS and TAS, Xavier GALLOT-LAVALLÉE created the holding company Montagne et Neige Développement (MND).

The new group aims to become one of the leaders in securing ski resorts.



2006

All of MND's activities are consolidated in Sainte-Hélène-Du-Lac.

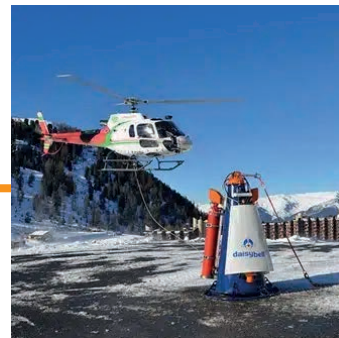
Today, this headquarters spans over 5 hectares and allows MND to centralize all its operations in Savoie, employing 300 employees.



2007

MND expands its avalanche triggering system offering with the creation of Daisybell™, the first helicopter-deployed system for avalanche triggering in hard-to-reach slopes.

Chamonix will notably adopt this system to secure access to the Mont-Blanc tunnel.



2011



MND opens up internationally with the creation of its first subsidiary in the United States: MND America Corp. In 2012, 6 other subsidiaries will complete and establish this new commercial dynamic.

Today, 70% of MND's activities are carried out abroad.

2013

MND is listed on the stock exchange on October 18 on the EuroNext market in Paris, compartment C.

This milestone marks the creation of the MND offer as we know it today, with 4 business lines : ROPEWAYS, SNOW, SAFETY, and LEISURE.



2014

MND puts its know-how at the service of sport, notably by equipping the sites for the Olympic Games in Sochi, Russia, and partnering with the Courchevel Sports Club as its official supplier and of the Val d'Isère Sports Club for the Critérium de la Première Neige.

MND remains a committed player in the sporting world, supporting talented skiers.



2020

With the introduction of its strategic plan « Succeed Together » 2024, MND streamlines its brand identity for improved readability among its customers and aligns it more closely with the territories in which MND operates.

MND ROPEWAYS
MND SNOW
MND SAFETY
MND LEISURE

2021

MND unveils its new monorail coaster FunCoaster for tourist destinations and installs the first one in the Bosco Gurin resort in Italian Switzerland.



2024

MND expands and inaugurates an extension of its buildings at the Savoie site to increase industrial capacity and develop new product lines for ropeway transport. At the same time, MND is making its withdrawal from the stock market official.



This year also sees the launch of ORIZON™, a new detachable ropeway range.

2025

MND reveals its new strategic plan:

YES WE CARE 2030





A SUSTAINABLE AMBITION TO SERVE TERRITORIES

In the face of climate challenges, lifestyle changes, and transformations of our territories, this new strategic plan frames our ambition for the coming years: to offer innovative and responsible solutions for cable mobility, snowmaking solutions, mountain safety, and leisure infrastructure.

Drawing on our “Made in the Alps” expertise and our presence in 49 countries, we rely on three essential pillars for customer satisfaction.

- **A COMMITTED CSR POLICY**, for a positive impact on territories and controlled environmental footprint.
- **RECOGNIZED FINANCIAL STRENGTH**, a guarantee of sustainability and trust for our clients and partners.
- **CONTROLLED OPERATIONAL PERFORMANCE**, driven by our industrial and technological know-how.



OUR VALUES



PASSION



BOLDNESS



TRUST



COMMITMENT



With « **Yes We Care - 2030** », we reaffirm our commitment to supporting both urban and mountain territories, balancing economic performance with environmental responsibility.

More than a strategic plan, it is a vision that guides our actions daily, with the ambition to design infrastructure that is sustainable, efficient, and adapted to today's and tomorrow's challenges.

This momentum is based on strong synergy across all our areas of expertise and an agile organization focused on innovation and client satisfaction.

By rallying our teams and partners around shared goals, we enhance our ability to innovate and deliver ever more effective and responsible solutions.

OUR MISSION

« *SHAPING THE FUTURE OF MOBILITY AND LEISURE FOR ALL* »



**EXPAND CABLE MOBILITY,
EVERYWHERE, FOR
EVERYONE**



**OFFER TAILOR-
MADE SNOWMAKING
SOLUTIONS**



**PROTECT PEOPLE AND
INFRASTRUCTURE FROM
AVALANCHES**



**REIMAGINE REGIONS AS
ONE-OF-A-KIND LEISURE
DESTINATIONS**

♦ **MBS**

**EQUIP AND SECURE
LEISURE AND
COMPETITION AREAS**

GOVERNANCE

MND has an organizational structure that combines flexibility and local presence while ensuring the expertise and resources of an international industrial group. The company's headquarters, located in Sainte-Hélène-du-Lac, Savoie (France), brings together all key transversal functional departments as well as the production units. Structured by commercial regions, the subsidiaries are led by operational teams with in-depth knowledge of local challenges. They oversee project execution in their respective countries and are responsible for adapting and implementing MND's strategic directions at the local level.

THE EXECUTIVE COMMITTEE

The Executive Committee oversees the Group's operations and implements the strategy defined by the Strategic Committee. It is composed of six members.



XAVIER GALLOT-LAVALLÉE
Chairman



ROLAND DIDIER
General Manager
SNOW, SAFETY & MBS



HERVÉ JACQUIN
Deputy General Manager
Finance, IT & Legal Affairs



NICOLAS CHAPUIS
Deputy General Manager
Engineering, ROPEWAYS & LEISURE



JULIEN ROULAND
Human Resources & CSR Director



GILLES GAUZARGUES
Industrial Director



MND

ONE PARTNER
MANY SOLUTIONS





EXPERTISE

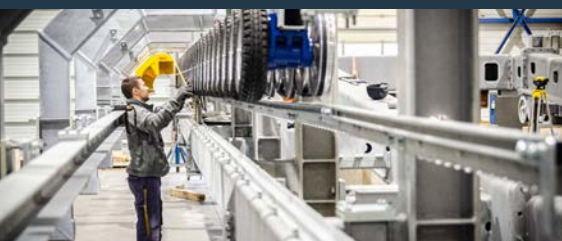
Made in the Alps

Our core business, we analyze your projects, design our solutions, manufacture, install, and maintain them at your side. A unique expertise, 100% developed and implemented at our production site in Sainte-Hélène-du-Lac, Savoie, combining industrial and operational excellence with a controlled environmental footprint.

A centralized industrial hub

To deliver high-performance, durable products and develop cutting-edge solutions, we've chosen to concentrate all operations at a single production site. Here, our entire team—from engineering offices to workshops—works together under one roof. This integrated setup ensures control over our supply chain, real-time monitoring of quality and lead times, and a shorter time-to-market for new products. These synergies allow us to invest continuously in an ever-more innovative industrial tool. This strong commitment, rooted in our region, aims to promote the excellence of “Made in France” expertise around the world.

A responsible approach, we reduce our environmental footprint by streamlining inventory, limiting transport to client construction sites, and prioritizing local subcontracting and partnerships within the Auvergne-Rhône-Alpes region.



In 2024, MND is unveiling the expansion of its headquarters and industrial site to support the strong growth of its operations and improve working conditions for its teams.

This key investment aims to strengthen production, engineering, and design capacities in France across all the Group's business areas, develop the service offering, and sustainably respond to the increasing training needs of our clients.

Located in the Alpespace zone for the past 20 years, MND now operates a global site of more than 5 hectares, including 2,500 sqm of photovoltaic panels and geothermal heating.

Watch video



INTERVIEW

GILLES GAUZARGUES

Industrial Director

MND is an industrial group rooted in the Alps. How does this influence your approach?

Our Alpine roots are a major asset, both in terms of our expertise and our commitment to responsible industry. The mountains are a demanding environment that requires robust, durable solutions adapted to extreme weather conditions. Local production, close to the largest ski areas, allows us to ensure high quality standards, respond quickly to customer needs, and reduce our carbon footprint by promoting short supply chains. This responsible industrial commitment is a key differentiating factor.

What are the main industrial challenges for MND?

We are facing several strategic challenges. First, accelerating production with the rollout of our new detachable ORIZON™ range, which requires agile management of industrial flows. Next, transitioning toward more sustainable manufacturing, by integrating recyclable or recycled materials and reducing our energy consumption. Finally, we must constantly anticipate market trends and regulatory changes to provide solutions that are ever more efficient, safe, and compliant with both French and international standards.



How does MND integrate innovation into its industrial operations?

Innovation is a top priority, and this is reflected in the ongoing modernization of our production equipment. We've invested in more automated and digital tools, particularly for cutting, machining, and quality control. Digitalization is also a key driver: it helps us optimize design, improve component traceability, and enhance process reliability. The development of the ORIZON™ technology is perhaps the best example, with €20 million invested in R&D, more than 60 people involved in the project, and 20 industrial processes launched—resulting in 10 new patent families.



INNOVATION

FROM THE VERY BEGINNING, MND HAS BEEN INNOVATING FOR ITS CLIENTS BY DEVELOPING PIONEERING SOLUTIONS FOR MOBILITY, SAFETY, AND LEISURE, AND BY IMAGINING THOSE OF TOMORROW.

A strategy that helps accelerate the transformation of our sector, our offerings, and our services. Relying on a Research & Development plan and dedicated teams within each of its business units, MND is already testing the innovations that will help shape the world of tomorrow.



INNOVATION AT THE HEART OF THE ORIZON™ RANGE

With ORIZON™, MND revolutionizes cable transport by integrating over 10 patent families and an exclusive design developed with Stellantis Design Studio. Designed to adapt to mountainous, urban, and tourist environments, this range combines performance, durability, and flexibility.

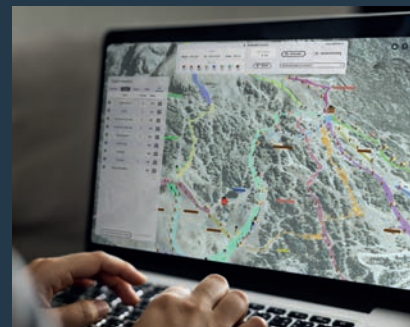
It incorporates advanced technologies, including a Direct Drive motor with energy recovery, a gravity-based conveyor system, and options for integrating photovoltaic panels to optimize energy consumption. With a capacity of up to 8,000 people per hour per direction and a speed of 7 m/s, ORIZON™ is available in multiple configurations and offers numerous customization options.

Designed and manufactured in France, it embodies MND's commitment to more sustainable and innovative mobility.

SNOW-cs™: INTELLIGENT SNOWMAKING OPTIMIZATION

SNOW-cs™ is the snowmaking system management software developed by MND, offering an intuitive 3D interface for optimal visualization and planning. It automates production by adjusting the use of water, air, and electricity according to predefined objectives, ensuring quality snow while reducing energy costs.

Accessible on PC, tablet, and mobile, it allows real-time performance monitoring, with alerts and detailed statistics. SNOW-cs™ helps ski resorts maximize the efficiency of their snowmaking operations while optimizing the energy consumption of their facilities.



DEVELOPING TOMORROW'S MOBILITY WITH CABLINE TECHNOLOGY

Watch video



SUPPORTING LEISURE ACTIVITIES WITH THE BLIZZARD FACTORY

Watch video



SAFETY SERVING THE CUSTOMER EXPERIENCE WITH THE FUN COASTER

Watch video



SERVICE

3 APPROACHES TAILORED TO YOUR SERVICE NEEDS

Beyond our core business units, our service offering supports your installations and products throughout their entire lifecycle. With a dedicated team, a structured offer, and customized solutions, we stand by your side every day — bringing our multi-division expertise to you, anywhere in the world, 365 days a year.

Supporting the operation and maintenance of your installations

From technical assistance to performance optimization, we have developed a comprehensive range of services to support investors and operators in their day-to-day operations — through three dedicated approaches.




SERVICE
Operation Support

PROVIDING SUPPORT DURING OPERATIONS

Technical support, guidance, on-site intervention planning, or spare parts — our teams are here to respond quickly and effectively to support your decision-making. During peak activity periods, we offer 24/7 support delivered by our expert network to ensure immediate and efficient assistance.


SERVICE
Maintenance Solutions

MAINTAINING YOUR INVESTMENTS

Because your installations are long-term investments, maintenance and servicing are key to ensuring their durability and maximizing their uptime. Whether through scheduled inspections or one-off diagnostics, our certified technicians ensure the availability and reliability of your equipment — in full compliance with current safety standards and procedures.





SERVICE
Performance Partner



Watch video

OPTIMIZING PERFORMANCE

To support the full lifecycle of your installations and maximize their performance, MND offers technical assistance contracts, partial or full modernization solutions, as well as training programs — on-site, remotely, or at our facilities in Savoie. A service offering tailored to all types of equipment, designed to enhance operational efficiency, boost productivity, and reduce environmental impact.



AN INDUSTRY COMMITTED TO CLIMATE AND THE PLANET

At MND, environmental transition is an operational reality. As part of our strategic plan YES WE CARE – 2030, we integrate CSR challenges at every level: product design, material selection, logistics, production, and resource management.



100% OF OUR NEW PRODUCTS ECO-DESIGNED BY 2030

All our developments are guided by the principles of circular economy to reduce their environmental impact.



100% OF OUR PROJECTS AND CONSTRUCTION SITES WILL INCLUDE ENVIRONMENTAL CRITERIA BY 2030.

We aim to systematically integrate environmental impact assessments from the design phase of all projects.



-50% GREENHOUSE GAS EMISSIONS BY 2035

We are taking action across scopes 1, 2, and 3 to support our path toward carbon neutrality.



95.5% OF OUR WASTE IS RECOVERED OR REPURPOSED

Thanks to our partner Excoffier: 77% is recycled and 18.5% is recovered for energy.



98% OF OUR SUPPLIERS ARE BASED IN EUROPE

Including one-third in France: promoting short supply chains, reducing logistics-related emissions, and supporting the local industrial network.



MND STANDS ALONGSIDE THOSE WHO EMBODY EXCELLENCE IN THE MOUNTAIN INDUSTRY.

Whether it's promoting innovation, supporting training programs, or contributing to major sporting events, we work hand in hand with key players such as the Cluster Montagne, Université Savoie Mont Blanc, and the Val d'Isère Sports Club.

MND also supports mountain sports by partnering with federations, athletes, clubs, and associations that share our values of passion, boldness, and commitment.



Victor MUFFAT-JEANDET
Member of the French Ski Team

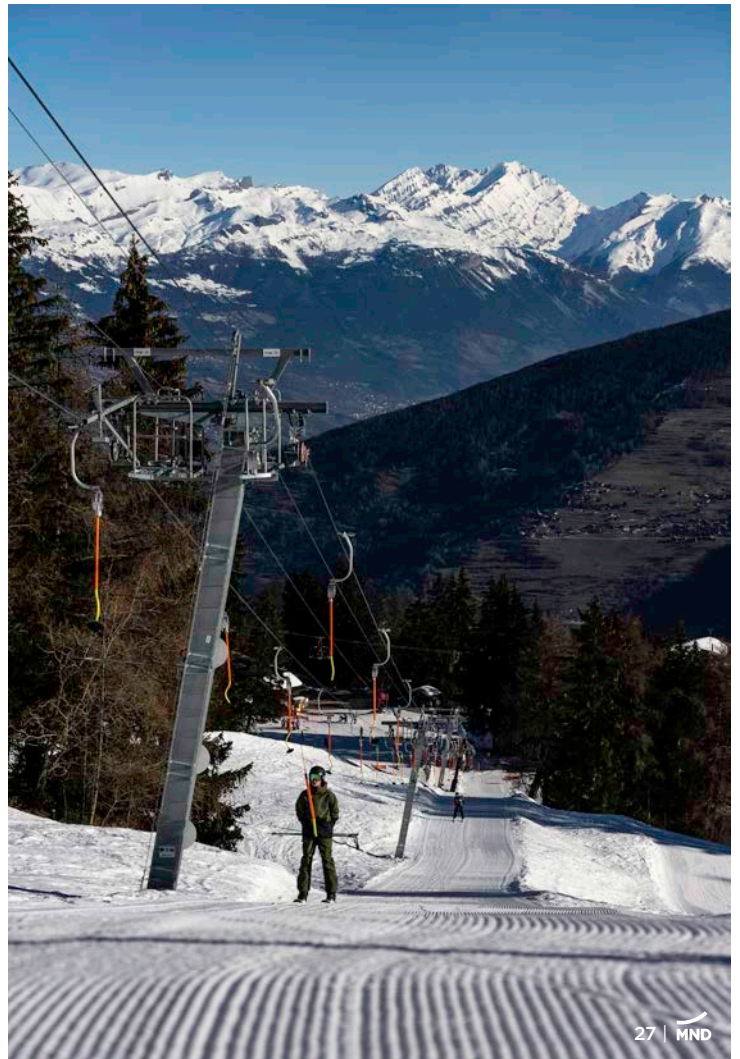


Alban ELEZI-CANNAFERINA
Member of the French Ski Team

The image features a cable car system against a clear blue sky. A large, stylized blue graphic, resembling a continuous loop or a stylized 'M', is superimposed over the scene. The cable car is a modern, glass-enclosed cabin hanging from a cable. Above it, a series of pulleys and cables are visible, supported by a metal structure. In the background, there are mountains and a blue building with a sign that reads 'Schneider'.

MND ROPEWAYS

DEVELOPING CABLE MOBILITY, EVERYWHERE, FOR EVERYONE



CABLE MOBILITY, EVERYWHERE, FOR EVERYONE, IN ALL ITS FORMS

A recognized player in all forms of cable mobility, MND ROPEWAYS combines technical excellence and experience across all mountain ranges worldwide and in all types of configurations. The technological range positions MND Ropeways among the leaders in its sector, particularly in terms of innovation and reliability.

In 2024, MND unveils its new detachable cable transport range, ORIZON™.

With its iconic design, developed by Stellantis Design Studio, MND has created a high-performance range of detachable devices that perfectly integrate into all destinations: mountain resorts, tourist sites, and urban areas.



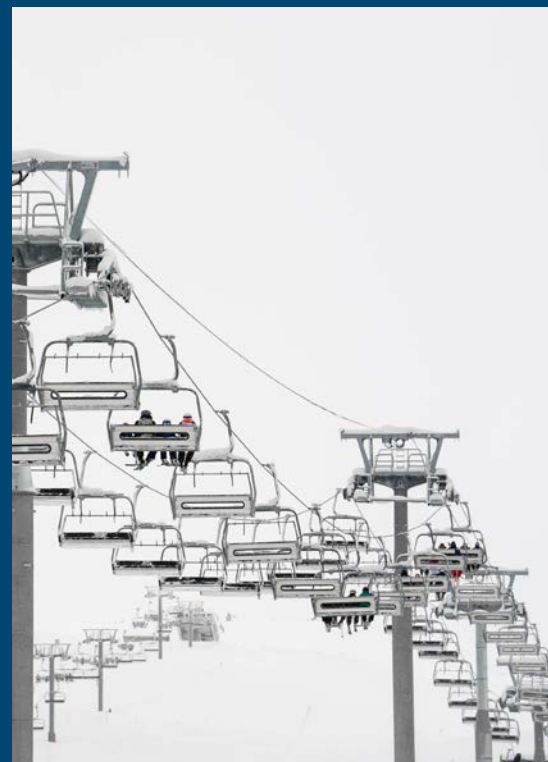
CABLE MOBILITY SOLUTIONS ADAPTED TO EVERY TERRAIN

In the mountains, at the heart of tourist destinations, or in urban environments, MND ROPEWAYS designs cable transport solutions that are reliable, sustainable, and tailored to the needs of each site.

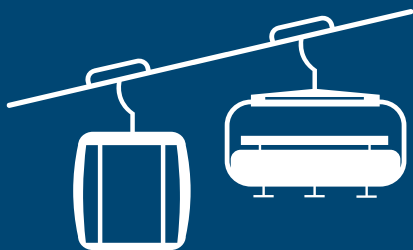
Our expertise is built on five key pillars:

- A comprehensive range: surface lifts, gondola lifts, fixed and detachable chairlifts, funiculars, aerial tramways, and inclined elevators.
- User comfort at the core of our priorities.
- Optimized design to simplify operations and reduce maintenance costs.
- Customized installations adapted to the technical and aesthetic constraints of each project.
- Careful environmental integration, with compact design, low noise levels, and durable materials.

Watch video



800+
ROPEWAYS
TRANSPORTING
MILLIONS OF
PASSENGERS



ORIZON

STELLANTIS
DESIGN STUDIO

SOLUTIONS
for operation & 
MAINTENANCE

36
★ **YEARS** ★
experience


 **SAFETY**
PATENTS

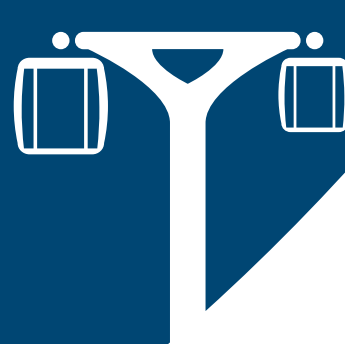


SUPPORT FROM FRENCH
NATIONAL ENVIRONMENT AGENCY
TO DEVELOP NEW URBAIN MOBILITY


MADE IN
THE ALPS

41 
COUNTRIES

 **20**
INNOVATION
ENGINEERS



OUR TAILORED SOLUTIONS



GONDOLA LIFT

In the mountains or in cities, our gondola lifts offer high transport capacity and optimal comfort.



CHAIRLIFT

A key feature of ski resorts, the chairlift provides a comfortable and fast mobility experience. Available in fixed or detachable versions, our solutions are customizable to meet your specific needs.



TÉLÉPORTÉ MIXTE

Combining the advantages of gondolas and chairlifts, the combination lift offers a versatile and reliable solution.



INCLINED ELEVATOR

A transport mode suited for short and steep connections, both in urban and mountain environments.



SURFACE LIFT

A simple and cost-effective mode of transport, ideal for beginner areas as well as the most demanding sites.



JIG-BACK

An efficient, custom-made, and durable transport solution to access any living area or tourist site while blending into the landscape. This specific system, equipped with one or two large-capacity cabins, is suitable for all types of terrain and obstacle crossings.



CABLINE

With support from the French State (ADEME), this is a new cable transport mode for urban environments, designed to meet the demands of capacity, integration, and maintenance required in cities.



Discover the full range of products





HORIZON

TOWARDS A NEW **ORIZON**

ORIZON™ evokes a clear and promising vision of the future — a limitless journey where the possibilities are as vast as the horizon itself.



THE ORIZON™ RANGE

DETACHABLE CABLE TRANSPORT TECHNOLOGY

A new ecosystem designed to seamlessly integrate into natural, tourist, and urban environments, offering a high-performance transport solution that is both innovative and proven.

ORIZON™ systems are built to meet the most demanding configurations: steep gradients, long distances, large vehicles, and high transport capacities.

A durable and efficient range, with systems capable of transporting up to 8,000 people per hour at speeds of up to 7 meters per second.

Special attention has been paid to optimizing energy consumption, including energy recovery and use via a gravity conveyor system, a new Direct Drive motor that captures heat to power building heating systems, and the integration of solar energy solutions.

AN ICONIC DESIGN

A design created in partnership with Stellantis Design Studio — an agency born from the creative strength of the Stellantis Group brands, a major player in the global automotive industry.

Drawing on its expertise in this field, this partnership gave birth to an iconic and coherent design across the entire range, combining functionality with aesthetics.

An innovative design that delivers a next-generation mobility experience — fluid and comfortable for every user.

STELLANTIS
DESIGN STUDIO





GONDOLAS

10, 16 & 20-SEATER

Travel in our unique, spacious, and modern cabins, and let yourself be comfortably transported.

Our cabins, with their iconic design, have been specially created to meet mobility challenges in both natural and urban environments.

SEAT

STANDARD & PREMIUM

Settle comfortably into our 6-seater chairs, featuring wide seats and high backrests for enhanced comfort and safety.

In the Premium version, our bubble chair provides added protection against the elements, allowing you to enjoy a panoramic view while staying comfortably sheltered from wind, rain, or snow.



STATION

MODULAR & FLEXIBLE

Board at our stations, available in 3 sizes, adapted to the speed and power requirements of the lift, allowing capacities of up to 8,000 passengers per hour at speeds of up to 7 meters per second.

Maintenance and operational comfort are our priorities: a simplified drive system for greater reliability, a secure tensioning system with two hydraulic cylinders, and a design that ensures long-term dependable operation.



GRIP

A PROVEN TECHNOLOGY

Our grip system, available in two sizes (P10, P20), has been designed to adapt to all configurations, accommodating up to 20 people per vehicle.

It has been specifically developed to reduce noise and energy consumption.

The combination of our grips and a cable of up to 66 mm in diameter meets the most demanding configurations.



CONSTRUCTION OF THE FIRST FULL-SCALE SYSTEM AT THE HEART OF OUR PRODUCTION SITE: A WORLD PREMIERE

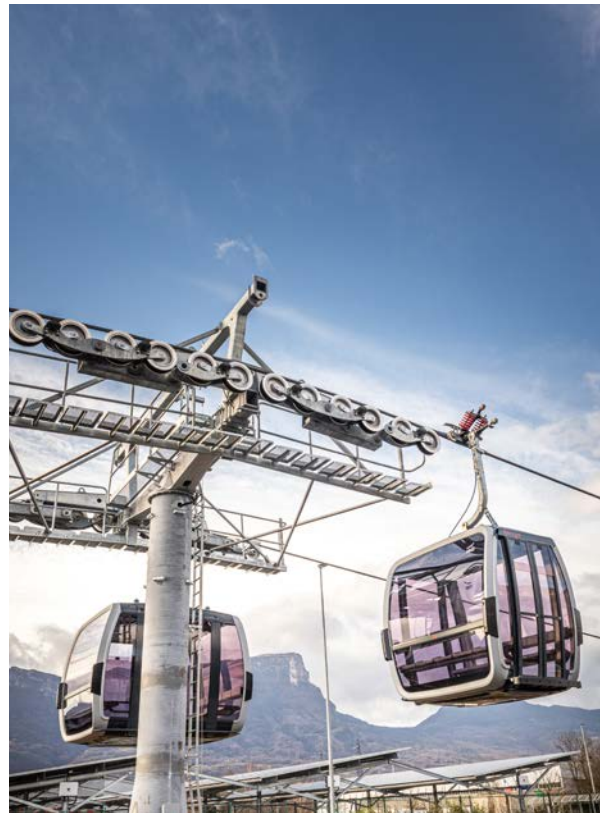
For the first time in the history of cable transport, a fully functional full-scale system has been built, assembled, and commissioned directly on an industrial site. MND met this unprecedented challenge in just a few months, installing a genuine ORIZON™ system at its Savoie production site — offering a life-size demonstration of its technology.



Unique in the world, this system is accessible upon request, giving visitors the opportunity to board the only existing 20-passenger monocable gondola.

This achievement showcases the expertise of MND teams, redefining industry standards through a unique approach and a technology that is both innovative and proven.

This installation, certified for passenger transport, marks a major milestone in the industrialization of detachable solutions. It allows operators and partners to test ORIZON™ technology in real conditions and discover its Direct Drive motor, gravity-based conveyor system, and modular design developed for four-season operation.



Watch video

ROPEWAYS

FIRST ORIZON™ SERIES SYSTEM

The very first ORIZON™ series system has been in service since 2024, certified for passenger transport. Built in just a few months at our industrial site in the heart of the Alps, it embodies the responsiveness and expertise of our teams. This installation allows our clients to experience ORIZON™ in real operating conditions.



 8000 pphd	 20p/v	 7m/s
--	--	---

 **Ste-Hélène-du-Lac | FRANCE**
ORIZON | 2024



PLACI WENZIN

Engineering Development Manager

« This project allowed us to develop and test the ORIZON™ system in real-world conditions — both to demonstrate to our clients and to validate its performance, safety, and durability. What stands out to me is the remarkable European collaboration between cable transport experts, supported by the technical and financial resources to aim for excellence. »

ROPEWAYS

A TRUE TOURISM ASSET

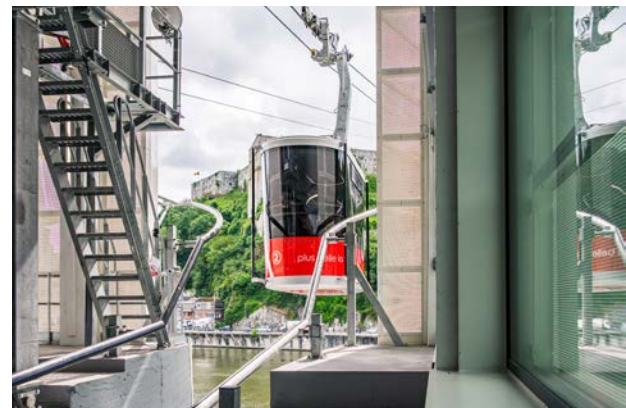
The Huy cable car, designed and built by MND, connects the city center to the Sarte plateau, offering panoramic views over the Meuse River and quick access to the Huy Fortress. This sustainable mobility project, inaugurated in April 2024, enhances the region's tourist appeal.



HUGO BERGER

Project Manager

« One of the key challenges of this renovation project was the reuse of existing towers and buildings. MND's engineering team developed a state-of-the-art system that integrates seamlessly into the historic infrastructure of the cable car. The installation of the cabins onto the cables just before Christmas 2023 was a major milestone in the project, marking the end of the construction phase and the beginning of the system's commissioning. »



AT15



200 pphd



2x15



1311m



133m



8m/s



Huy | BELGIUM

Jig-back | 2024

Watch video





CHRISTOPHE COLLIGNON

Mayor of Huy

« After a helicopter accident in 2012 involving the old cable car, we were determined to rebuild it in a more modern way — on a scale worthy of Wallonia. It's a major project. The people are deeply attached to the Huy cable car; it has become a symbol of the city and a must-see tourist attraction. »

ROPEWAYS

A KEY INSTALLATION FOR THIS FAMILY-FRIENDLY RESORT

MND replaced an old surface lift with a fixed 4-seater chairlift, modernizing access to the slopes of this family resort and enhancing its appeal, while ensuring comfort and reliability for skiers.



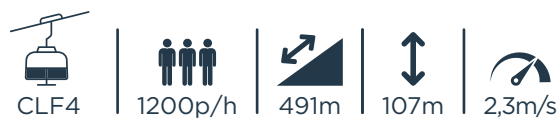
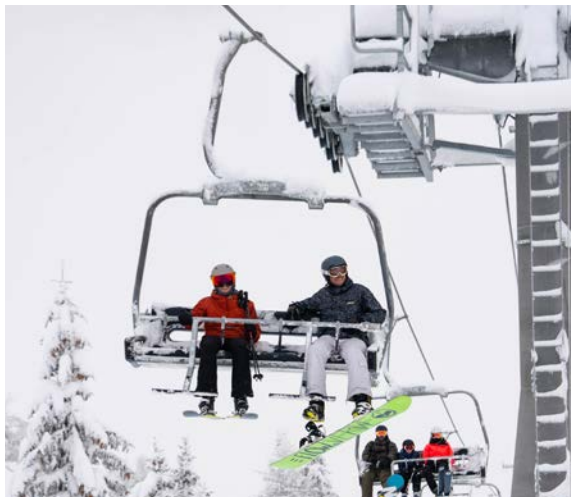
Trije Kralji | SLOVENIA

Fixed Chairlift | 2023

ROPEWAYS

EASIER ACCESS TO THE HEART OF THE SKI AREA

Aimed at improving skier flow and increasing lift capacity, this installation also opens up access from the hamlet of Les Eucherts. Primarily used by young skiers, this chairlift offers a much safer journey for its users.

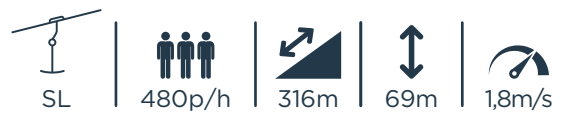
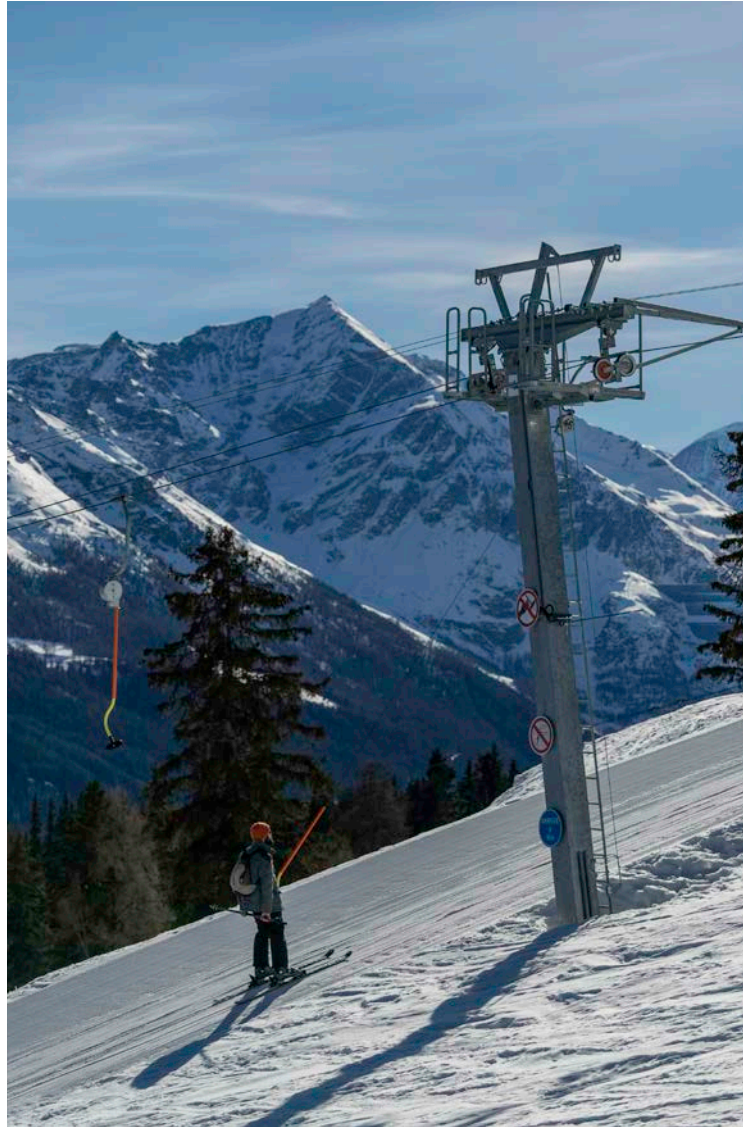


 **La Rosière - Dahu | FRANCE**
Fixed Chairlift | 2023

ROPEWAYS

A MODERN AND ACCESSIBLE SURFACE LIFT

The new Petit Vallon surface lift, delivered to the Thyon 2000 resort in the 4 Vallées ski area in 2023, replaces the former lift built in 1978. This more modern installation doubles the ski capacity while reducing noise levels.



Thyon 2000 | SWITZERLAND
Surface lift | 2023

Watch video



ROPEWAYS

THE FIRST MODERN URBAN AERIAL TRAMWAY IN FRANCE

To cross the Penfeld River and connect the new Capucins district to the city and the tramway, cable car provided the perfect solution. More than just an urban link, the Brest aerial tramway has become a true tourist attraction in just a few months.



Project carried out with Bartholet Maschinenbau AG



					
AT60	1220p/h	419m	7m	x2	7,5m/s

 **Brest | FRANCE**
Jig-back | 2016

ROPEWAYS

A KEY LINK TO THE HEART OF THE RESORT


This installation aims to make the resort center accessible to skiers, pedestrians, and people with reduced mobility, ensuring a continuous flow of users from the valley floor while supporting the development of soft mobility in this mountain region.



Project carried out with Bartholet Maschinenbau AG



Inclined elevator	350p/h	85m	36.5m	x1	2,5m/s

 **Oz-en-Oisans | FRANCE**
Inclined elevator | 2022

ROPEWAYS

FACING MONT BLANC, A LINK TO THE BRÉVENT SKI AREA

In the heart of the Chamonix Valley, this automatic inclined elevator provides access to a beginner ski area offering panoramic views of the entire Mont Blanc range. Fully automated and glass-enclosed, this installation serves as an efficient and seamlessly integrated connection.



Project carried out with Bartholet Maschinenbau AG



Inclined elevator	356p/h	73m	36m	x1	2,5m/s

 **Chamonix | FRANCE**
Inclined elevator | 2015

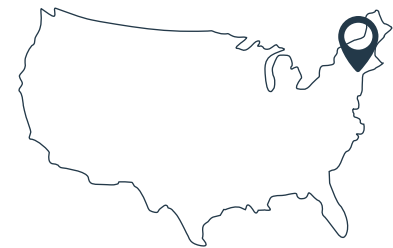
ROPEWAYS

A HIGH-CAPACITY CHAIRLIFT

The Tecumseh Express detachable chairlift replaces the resort’s main and iconic lift, the “White Peaks Express,” which dated back to 1988. This new system increases transport capacity to 3,000 people per hour and offers both comfort and reliability with 6-seater bubble chairs.



Project carried out with Bartholet Maschinenbau AG



CLD6	3000p/h	83	1730m	482m	6m/s



Waterville | USA
Detachable chairlift | 2022

ROPEWAYS

A GONDOLA TO REACH THE HIGHEST PEAKS OF THE SKI AREA

The 10-seater Espiaube gondola strengthens the area of the same name — a true hub connecting the base of the slopes with the Col du Portet (2,215 meters altitude) and the summit of La Tourette (2,320 meters altitude).



Project carried out with Bartholet Maschinenbau AG



					
MGD10	2800p/h	60	1862m	724m	6m/s

 **St-Lary Espiaube | FRANCE**
Detachable gondola lift | 2022

Watch video



ROPEWAYS

BOOSTING A STRATEGIC AREA AT THE HEART OF THE CONNECTED SKI AREA

Located in the Vallon sector of Saint-Lary, and replacing the former fixed-grip chairlift, the new detachable chairlift streamlines the skier experience and improves intra-resort connections.



Project carried out with Bartholet Maschinenbau AG



					
MGD6	2000p/h	46	1390m	292m	6m/s

 **St-Lary Tourette | FRANCE**
Detachable chairlift | 2022

Watch video



ROPEWAYS

A NEW MOMENTUM FOR FORMIGUÈRES

In 2023, the Formiguères resort inaugurated the Calmazeille teleporte mixte, the first of its kind in the Pyrenees, combining chairs and gondola cabins for versatile transport. This modern installation improves access to the ski area, offering comfort and flexibility to both skiers and hikers.



Project carried out with Bartholet Maschinenbau AG



TSCD 6-10	2400p/h	1391m	344m	6m/s

 **Formiguères | FRANCE**
Téléporté mixte | 2023

A photograph of a snowmaking machine in operation on a snowy mountain slope. The machine is mounted on a metal frame and is blowing a thick plume of white snow. A large, stylized green graphic, resembling a stylized 'M' or a mountain peak, is overlaid on the image. In the background, there are evergreen trees and a ski lift structure. Two skiers are visible in the lower right corner.

MND SNOW

OFFERING TAILOR-MADE SNOWMAKING SOLUTIONS



WE KNOW SNOW

A historic and globally recognized player, MND SNOW supports its clients around the world to ensure snow coverage for their ski areas. Thanks to unique technologies and developments focused on our clients' needs, we offer the most comprehensive range on the market, combining operational performance with energy efficiency.

Preserving a legacy, looking to the future

MND SNOW is the result of the merger between the SUFAG (Austria), ARECO (Sweden), and SNOWSTAR (Italy) brands. This legacy gives it mastery of the best technologies in lances, fan guns, and automation systems — which MND teams continue to develop and refine.

Beyond product design and manufacturing, MND SNOW is, above all, a global partner for ski resorts, supporting them from preliminary studies through to the turnkey delivery of their snowmaking systems.



Watch video



- **Quality** not only in the manufacturing of our products, but also in delivering snow of unmatched quality — for the greatest enjoyment of skiers around the world.
- **Reliability:** easy-to-use and easy-to-maintain products to ensure fast and efficient snowmaking.
- **Durability:** an industrial-grade, robust, and timeless design for unparalleled longevity.

ALL-WEATHER & INDOOR SNOWMAKERS

Snow production systems designed for indoor or outdoor use, regardless of weather conditions.



**DURABILITY
OPTIMIZATION
PERFORMANCE**

600



CUSTOMERS

60

★ **YEARS** ★
OF HISTORY

20,000
FAN GUNS



300

**AUTOMATED
SYSTEMS**



40

COUNTRIES



**INDOOR
SOLUTIONS**



25,000 **SNOW
LANCES**



**EXPERT IN
RETROFIT**



**ALL WEATHER
SOLUTIONS**

OUR TAILORED SOLUTIONS



FAN GUN

Proven for nearly 60 years, our fan technologies ensure high snow production capacity. Built to last, their quality and reliability are recognized worldwide.



ALL WEATHER & INDOOR SNOWMAKING

Snow production systems for indoor or outdoor use, regardless of weather conditions.



MULTI-PURPOSE

Beyond snowmaking, our expertise also enables the integration of additional functionalities: potable water management, hydroelectric power generation, fire protection, and water supply for agriculture.



SNOW LANCE

Offering fast, consistent, and simultaneous snowmaking, lances are the ideal solution for low operating costs.



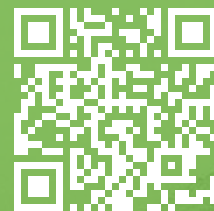
SNOWMAKING SYSTEMS

Design and implementation of turnkey snowmaking systems.



MONITORING SOFTWARE

An intuitive and high-performance snowmaking system supervision software, featuring a 3D interface.



Discover the full range of products



NEXT-GENERATION SNOWMAKING

TAURUS

THE BENCHMARK SNOW GUN GIVES RISE TO A NEW PRODUCT LINE

For over 15 years, the Taurus snow gun has been recognized as a benchmark in the automatic snowmaking market. Robust, reliable, and high-performing, it has earned the trust of many of the world's leading ski areas, becoming widely known as “the best snow gun on the market” thanks to its outstanding production capabilities.

Building on this legacy, MND has completely redesigned its range, drawing on the proven strengths of the Taurus while integrating the latest expectations from operators: modularity, retrofit capability, enhanced performance in marginal temperatures, and adaptability to new production constraints.



TAURUS LINE

A snow gun with a single row of nozzles, designed for narrow slopes where precision is essential.

TAURUS PRO

Pro, for « proven technology » : with performance validated and approved by customers, maximized reliability, and unmatched snow production, it becomes the new standard benchmark, replacing the Taurus 2.0.



TAURUS ADVANCED

The highest-performing version in marginal temperatures, featuring three rows of nozzles and an extended 160° coverage angle. It offers up to 40% more snow production at the same start-up temperature compared to the Pro version.

Based on the Taurus architecture, this new range ensures interoperability between models, simplified maintenance, and seamless integration into existing installations. It also features integrated solenoid valves for more responsive control and lighter snow gun heads.



A NEXT-GENERATION FAN GUN

The MND SNOW teams are proud to have developed a brand-new fan snow gun, completely redesigned from the ground up.

Particularly efficient in marginal temperatures (+20 to +30% snow production compared to a standard fan snow gun), it is ideally suited for lower-altitude sites or areas with limited water pressure.

This new model combines a fully reimagined design—engineered for better integration into natural surroundings—with significant technological advancements, while preserving the key strengths that have made MND SNOW fan guns a success: robustness,



reliability, and ease of maintenance. The IZO° model is available alongside the current range, allowing operators to choose the solution that best fits their terrain profile and energy constraints.

KEY FEATURES

- Optimized operation from 10 bar pressure
- Over 30% improved performance in marginal temperatures (-1°C to -4°C) at low pressure
- Production capacity: 15 m³/h of water, equivalent to 35 m³/h of snow at 15 bar
- Compatible with centralized air networks
- Design optimized for seamless integration into the natural environment



STÉPHANE GAL

MND SNOW Director

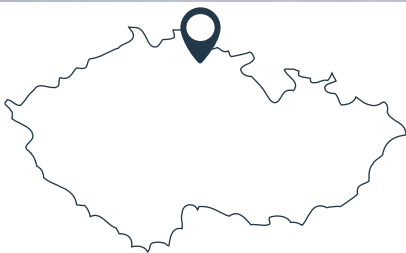
« With this new range of snow lances and our latest fan model, we provide ski resorts with enhanced adaptability to current climate realities. These solutions have been specifically designed to meet the growing demands of operators, who must now maximize snow production within increasingly narrow weather windows. Reliable, high-performing, and built to last, this equipment embodies our vision: anticipating the evolving needs of our clients by delivering ever more agile and efficient technologies. »

SNOW

OPTIMUM SNOW CONDITIONS FOR HARRACHOV

The Harrachov ski resort, located in the heart of the Czech mountains, relies on the Blizzard Factory solution to ensure optimal snow coverage throughout the season.

This project, carried out in partnership with Noho Prague s.r.o, includes the installation of 11 Blizzard Factory units and a 3-year maintenance contract to guarantee continuous performance and optimized management.



Harrachov | CZECH REPUBLIC

All weather solutions | 2024



DIDIER SPECK

Technical Sales Manager

« To address the lack of snow at the start of the season and its direct impact on holiday attendance, the Czech resort of Harrachov chose the Blizzard Factory solution. This enabled them to guarantee snow coverage on a slope from the top to the bottom of the ski area. »





SNOW

AN INNOVATIVE AND SUSTAINABLE SNOWMAKING SYSTEM

Since 2006, MND has been equipping La Thuile with an automated network powered by seven upgraded machine rooms. In 2017, a world first was achieved with the installation of two hydroelectric turbines on the snowmaking network, enabling the resort to produce 80% of the energy consumed by the system.



MAURIZIO MERIGO

Project manager

« The La Thuile project met two major challenges: replacing old pipelines with high-pressure conduits and migrating to Snow-CS — a technical feat involving 7 machine rooms and 400 snowmakers. The installation on a 70% slope and commissioning under 85 bar pressure were key highlights of the project, with the successful pressure test after severe weather standing out as a defining moment. »



La Thuile | ITALY

Automated snowmaking system

Since 2006



24000m



1350m³/h



11



344



GSS V7



SNOW

25 YEARS OF PARTNERSHIP BETWEEN MND AND LES GRANDS MONTETS

At the legendary Grands Montets resort, the water used for snowmaking comes from glacier meltwater in the Mont Blanc massif and is highly mineralized, causing premature wear on snowmaking equipment. A water treatment solution was implemented to extend equipment lifespan and ensure greater durability.



Chamonix | FRANCE

Automated snowmaking system

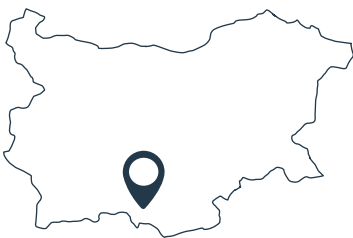
Since 1996







SNOW

A SUCCESSFUL MODERNIZATION OF THE LARGEST RESORT IN THE BALKANS

The largest ski area in the Balkans, the Pamporovo resort has embarked on an extensive restructuring and modernization plan for its snowmaking system to revitalize its ski area.



			
17000m	1200m ³ /h	10	265



Pamporovo | BULGARIA

Automated snowmaking system

Since 2016

SNOW

MODERNIZATION OF A FLAGSHIP RESORT IN THE NORTHEASTERN UNITED STATES

To help the resort maintain its appeal and profitability, MND supported it through a major renovation phase with the installation of new ski lifts and a complete modernization of its snowmaking system.



 15000m	 910m ³ /h	 16	 400	 GSS V7
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Waterville | USA

Automated snowmaking system

Since 2017

SNOW

CONTROLLED SNOWMAKING IN SWEDEN

At Idre Himmelfjäll, MND SNOW installed an automated snowmaking system with 168 snow guns and 18 km of network to ensure optimal and sustainable snow coverage throughout the winter season.



 18000m		 1350m ³ /h		 31		 168		 GSS V7
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Himmelfjäll | SWEDEN

Automated snowmaking system

Since 2019

SNOW

GUARANTEED SNOW COVER FOR ALL THE RESORT'S ACTIVITIES

As a key part of the major investment made by the municipality of Skövde for this leisure area, the Billingen resort has undergone the largest snowmaking project recently completed in southern Sweden. Primarily focused on cross-country skiing and snowboarding, Billingen recently inaugurated a new slope fully dedicated to slalom.



Skövde | SWEDEN

Automated snowmaking system

Since 2018



SNOW

OPTIMAL SNOWMAKING FOR TRAINING THE WORLD'S BEST SKIERS

As a pre-season training base for the World Cup, Reiteralm welcomes the world's top skiers to its slopes each year. Traditionally opening early in the season, MND ensures the resort's readiness through snowmaking using the full range of PEAK fan guns, renowned for their performance in marginal temperatures.



38000m

6480m³/h

171

76

SUPERSNOW V7



Reiteralm | AUSTRIA

Automated snowmaking system

Since 1995


SNOW

AUTOMATION OF SNOWMAKING SYSTEMS FOR THE BEST-KNOWN RESORT IN THE ALPES-MARITIMES

As part of the expansion of its snowmaking system, Isola 2000 aimed to transition to an automated system while building on its existing equipment.



 34000m	 2260m ³ /h	 427	 GSS V7
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 **Isola 2000 | FRANCE**
Automated snowmaking system
Since 2006


SNOW

PARTNER OF ONE OF THE LARGEST RESORTS IN THE SOUTHERN ALPS

In the heart of the Hautes-Alpes, the Vars La Forêt Blanche resort is one of the most sought-after destinations in the Southern Alps, with slopes reaching nearly 3,000 meters in altitude. Since 2002, MND has supported snowmaking for the ski area to help develop the resort's ski offering and ensure top-quality snow conditions.



				
24000m	1330m ³ /h	31	231	GSS V7

 **Vars | FRANCE**
Automated snowmaking system
Since 2002

SNOW

TAILORED SUPPORT FOR VALMEINIER

With over 300 snow guns and 7 machine rooms — all fully automated with the latest SNOW-cs software — the resort now has a high-performance system to ensure consistent snow coverage for its guests throughout the season.



 25000m	 1197m ³ /h	 34	 295	 SNOW-cs
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Valmeinier | FRANCE

Automated snowmaking system

Since 2001

SNOW

PARTNER OF THE OLYMPIC VALLEY OF HAKUBA-NAGANO

In 2020, the Nippon Ski Resort Development (NSD) group entrusted MND with the snowmaking system for the Tsugaike Kogen ski area. Located in the Olympic valley of Hakuba Nagano, Tsugaike is one of ten internationally renowned ski resorts recognized as Japan's mountain sports mecca.



 25000m	 480m ³ /h	 8	 21	 GSS V7
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Tsugaike Kogen | JAPAN

Automated snowmaking system


Since 2020

SNOW

PREFERRED SNOWMAKING PARTNER OF CHAMROUSSE

In Chamrousse, the resort regularly undertakes improvements and extensions to its snowmaking system to meet the needs of a demanding and technically-minded clientele. With a vast and complex ski area, Chamrousse requires a reliable and high-performance system, whatever the conditions.



 **Chamrousse | FRANCE**
Automated snowmaking system
Since 2004

 20000m	 1945m ³ /h	 35	 179	 GSS V7
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SNOW

DEVELOPMENT OF A NEW FLAGSHIP RESORT NEAR BEIJING

Located 120 km northeast of Beijing, near the Great Wall of China, Jinshanling Golden Mountain is a new ski area developed by Hebei Tourism Investment, the state-owned company responsible for tourism development in the Olympic province of Hebei.



17000m

2400m³/h

120

SNOW-cs



Jinshanling | CHINA

Automated snowmaking system

Since 2022

SNOW

SNOW PARTNER OF VALLE BIANCA SINCE 1997

The Paganella Plateau, located at the foot of the Brenta Dolomites, is one of the largest resorts in Trentino, with a ski area offering over 50 km of slopes, all fully equipped with a modern snowmaking system. The first automatic MND system was installed in 1997 and has since been updated and expanded to continuously meet the client's evolving needs.



 25000m	 400m ³ /h	 35	 25	 SUPERSNOW V7
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Andalo | ITALY

Automated snowmaking system

Since 1997

SNOW

EXPERTISE SERVING THE AUTOMOTIVE INDUSTRY

To test its vehicles under real climatic conditions, the manufacturer FORD turned to MND SNOW's snowmaking solutions. To meet this need, Ford built a climate tunnel in Germany capable of simulating wind, rain, and snow in conditions as close to reality as possible.

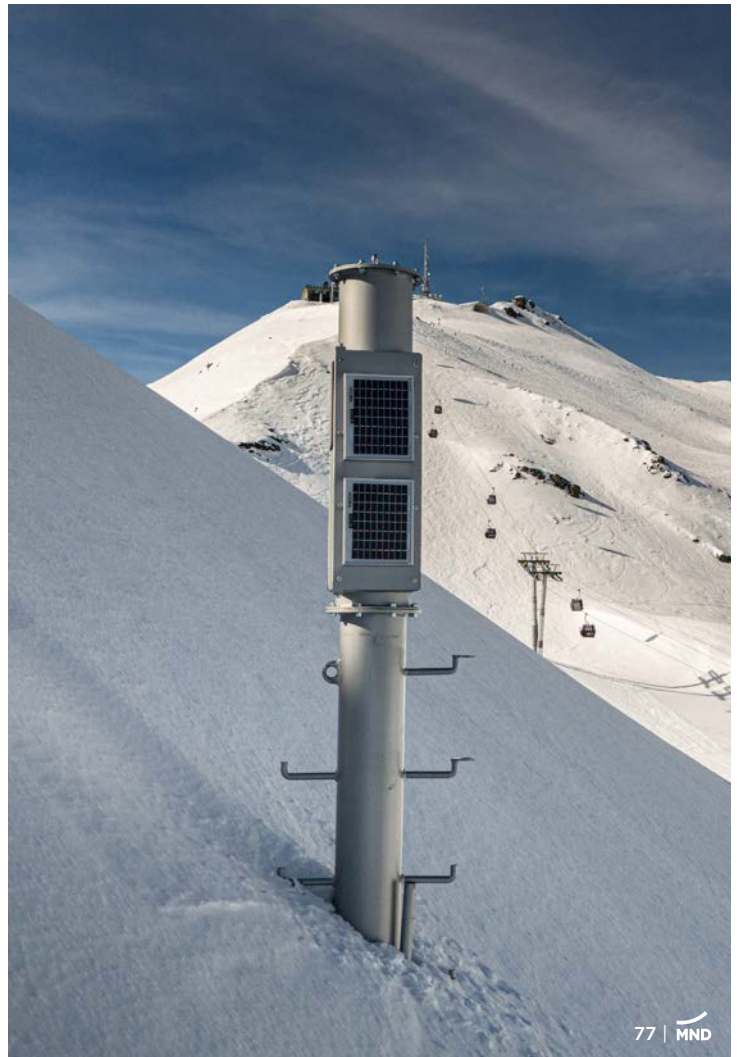


Ford | GERMANY

Automated snowmaking system | 2018



PROTECTING PEOPLE AND INFRASTRUCTURE FROM AVALANCHES

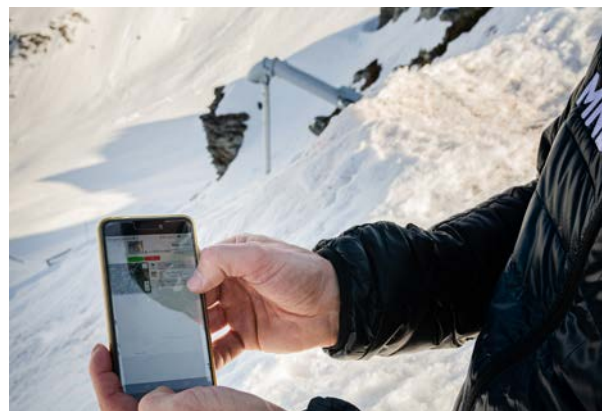


BEFORE, DURING, AFTER: OPTIMAL CONTROL OF AVALANCHE RISK

A pioneer and historical innovator in preventive, non-explosive avalanche triggering systems for over 30 years, MND SAFETY has established itself as the global benchmark in this field with its patented products Gazex™, O'BelIX™, and DaisyBell™. Today, our expertise extends to comprehensive avalanche risk management, thanks to a unique range of decision-support and avalanche detection solutions.

Wherever snow poses a threat

While securing ski areas and competition sites built MND SAFETY's reputation, its scope of activity now goes far beyond that: roads, railways, highways, industrial sites, and construction zones around the world are now protected from avalanche risks by these remotely operated, non-explosive systems that combine operational effectiveness with maximum safety for personnel.



Watch video



FROM SIMPLE TRIGGERING TO CONTROLLED RELEASE

Natural hazard prevention has evolved, and effective risk management now relies on monitoring tools that enable action both before and after an avalanche event.

MND SAFETY offers operators remote monitoring systems to track changing weather conditions (Before), as well as real-time avalanche activity detection solutions (After), providing them with true, end-to-end control over avalanche risk.





3000+

GAZEX/GAZFLEX



**BEFORE
DURING
AFTER**

**EXTREME
CLIMATIC CONDITIONS**



66

DAISYBELL



23

COUNTRIES



230

O'BELLX

NO EXPLOSIVES

35

★YEARS★
experience

**TIME
SAVING**



OUR TAILORED SOLUTIONS



REMOVABLE SYSTEM

Non-explosive and with low visual impact, these removable avalanche triggering systems are ideal for protected ecosystems and long-term investment strategies.



MONITORING SYSTEMS

To ensure complete protection against avalanche risk, access to reliable terrain data is essential.



MOBILE SYSTEM

Designed to manage exceptional winter situations or occasional risk control, these gas-based mobile systems are helicopter-borne to trigger avalanches at the ideal.



CONTROL SOFTWARE

An intuitive and secure software platform for managing avalanche triggering. It monitors the snowpack, activates exploders, and detects avalanches post-triggering.



FIXED SYSTEM

A proven fixed system with no explosives, Gazex has been in use for over 30 years and installed in 20 countries worldwide. Its effectiveness is well established.



Discover the full range of products



SNOWPACK MONITORING SYSTEM

Installed directly within avalanche paths, the NivWatch™ measurement mast provides crucial data via SAFETY-cs software for effective management before, during, and after avalanche triggering.



KEY FEATURES:

1. SNOW DEPTH MEASUREMENT

Automatic snow depth measurement using a laser system, eliminating the need for manual intervention.

2. SEISMIC ANALYSIS

Detailed seismic monitoring of avalanches, allowing real-time confirmation of the avalanche trigger, its duration, and magnitude.

3. ENERGY AUTONOMY

Fully energy-autonomous throughout the season thanks to integrated solar panels.





Watch video

SAFETY

24 SOLUTIONS INSTALLED TO ENHANCE SAFETY IN NORWAY

This project, carried out in collaboration with the Municipality of Tromsø and MHM Entreprenør & Service AS, aims to secure a key road for local transport and tourism in a region exposed to extreme weather conditions. Remotely operated via radio and 4G, these O'BelIX devices provide effective protection — even during the polar night.



ANDREAS PERSSON

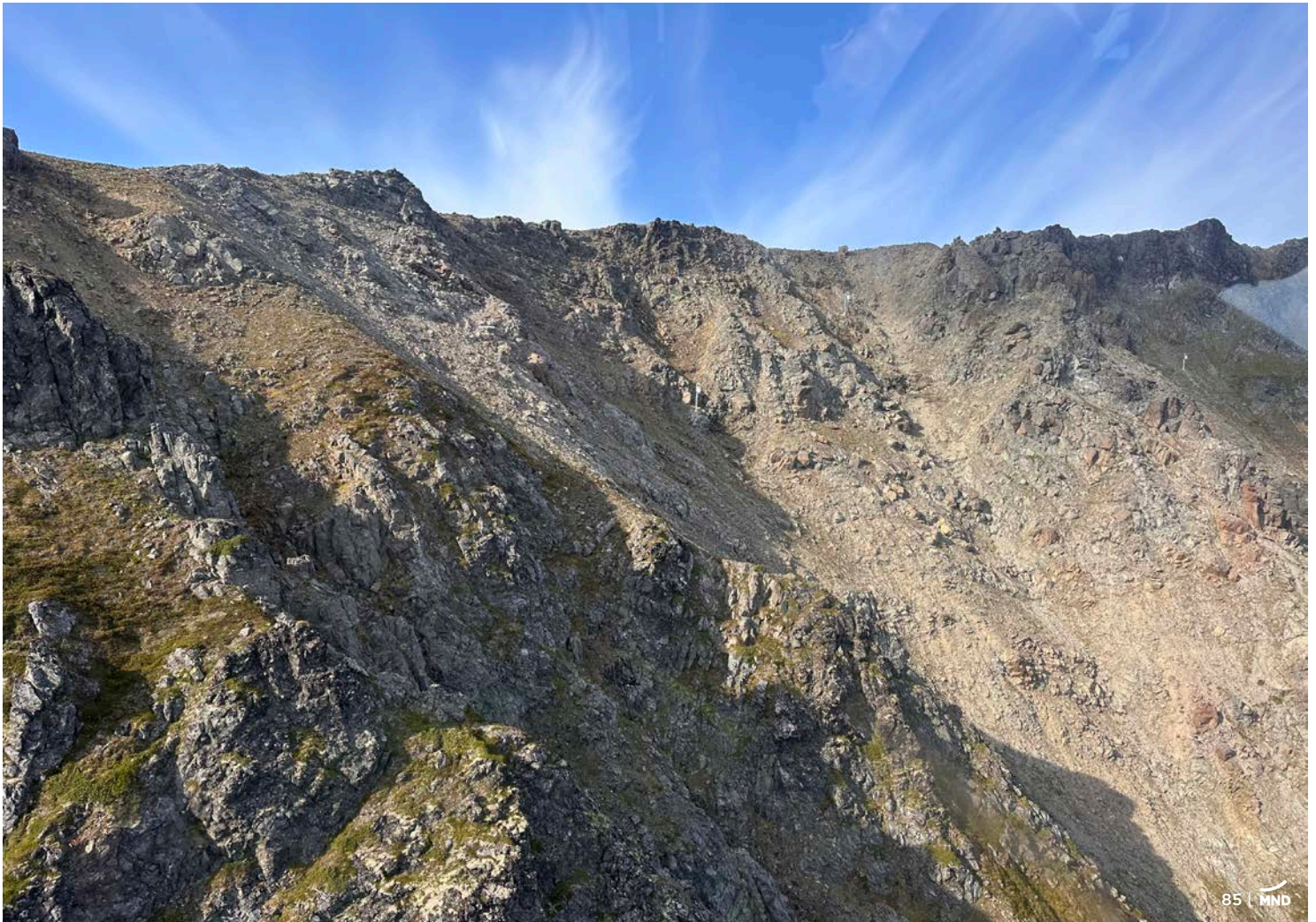
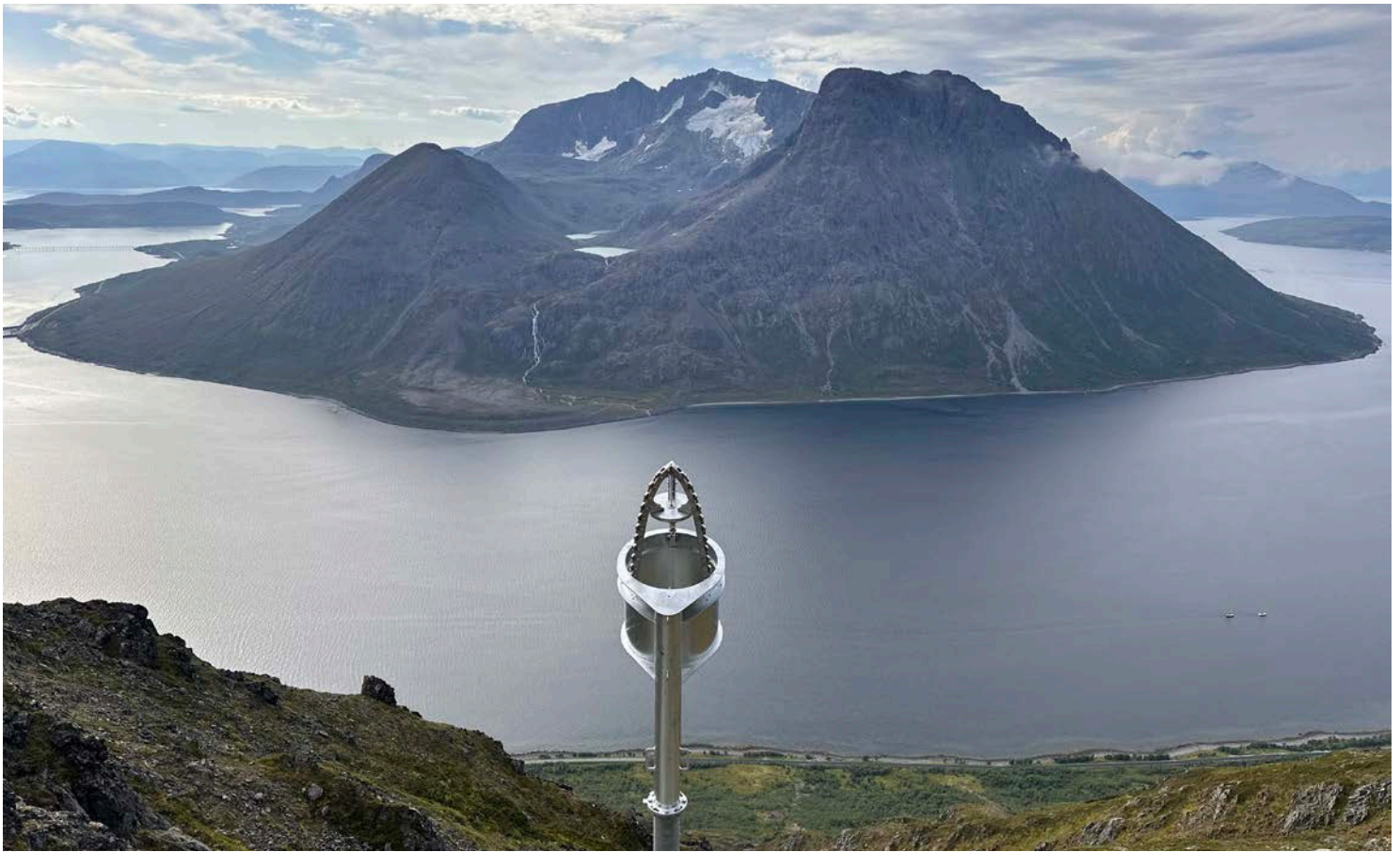
*Geotechnical Director of
the Municipality of Tromsø*

« The system, composed of 24 O'BelIX units, is used to secure a transport route in Arnøya. The project has been a real success, with a significant reduction in road closures and risks for users. As the main road serving the local industry, it is of great importance to both Norway and Arnøya! We are very satisfied with the products and service provided by MND and its distributor MHM. »



Arnøya | NORWAY
O'BELLX™ | 2024





SAFETY

A COMPLEMENTARY SOLUTION TO PREVENTIVE TRIGGERING

In addition to the 35 fixed gas trigger systems Gazex™/Gazflex™ and the heliportable solution DaisyBell™, MND installed a paravalanche solution in 2017 dedicated to the safety of pisteurs, with 3 lines of CBH® guyed wooden mesh, totaling 140 linear meters spread across 23 modules.



Ski
resorts



Avalanche
barriers CBH



35 Gazex
/Gazflex



1
DaisyBell



Les Ménuires | FRANCE

GAZEX™ - DAISYBELL™ - AVALANCHE BARRIERS

Since 2017



SAFETY

CERVINIA, A PIONEER IN HIGH-ALTITUDE SYSTEMS

Since 1989, the Italian resort of Cervinia has partnered with MND for avalanche risk management. With 24 Gazex™/Gazflex™ systems and 3 O'BellX™ units, it benefits from a comprehensive protection setup tailored to the demanding conditions of high-altitude environments.



24 Gazex
/Gazflex

3
O'BellX




Cervinia | ITALY
GAZEX™ - O'BELLX™
Since 1989

SAFETY

A LONG-STANDING PARTNERSHIP AT THE HEART OF LES 3 VALLÉES

Since 1992, Méribel has trusted MND to secure its ski area. With 66 Gazex systems and 2 O'BelIX units installed, the resort benefits from a comprehensive and high-performance setup for avalanche risk prevention — serving both skiers and on-the-ground teams.



 **Méribel Alpina | FRANCE**
GAZEX™ - O'BELLX™
Since 1992



SAFETY

THE FIRST REMOTE AVALANCHE TRIGGERING DEVICES

In 2020, Les 7 Laux installed their first remote avalanche triggering systems with 10 exploders: 9 GAZEX™ and 1 O'BELLX™ option+. These systems ensure the safety of avalanche technicians, significantly speed up the implementation of the PIDA (avalanche control plan), and enable full opening of the ski area every day by 9:00 AM.



Ski
resorts



9 Gazex
/Gazflex



1
O'BellX



Shelter CIII &
O'BELLX™ Option+

 **Les 7 Laux | FRANCE**
GAZEX™ - O'BELLX™
Since 2020

SAFETY

ENHANCED AVALANCHE PROTECTION

The Flaine resort has recently strengthened the safety of its ski area by installing new preventive avalanche triggering systems, including Gazex and O'BelX solutions provided by MND. These installations enable effective avalanche risk management, ensuring skier safety and uninterrupted operations on the slopes.



 **Flaine | FRANCE**
GAZEX™ - O'BELLX™ - DAISYBELL™
Since 2005

SAFETY

ENHANCED SKI AREA SAFETY

Since 2018, the Valmeinier resort has strengthened the safety of its ski area by installing Gazex™ systems provided by MND. These devices enable preventive avalanche triggering, thereby ensuring skier protection.



Ski
resorts



9 Gazex
/Gazflex

 **Valmeinier | FRANCE**
GAZEX™
Since 2018

SAFETY

A LONG-STANDING PARTNERSHIP RENEWED IN TIGNES

Since 1990, Tignes has relied on MND's expertise to secure its ski area. With an extensive network of Gazex™ systems, the resort benefits from efficient and sustainable avalanche risk management, ensuring skier safety and smooth daily operations.



 **Tignes | FRANCE**
O'BELLX™ - GAZEX™
Since 1990

		
Ski resorts	43 Gazex /Gazflex	2 O'BellX

SAFETY

PROTECTING ONE OF THE LARGEST SKI AREAS AT THE FOOT OF MONT BLANC

In Chamonix, the Compagnie du Mont-Blanc (CMB) manages over one hundred ski slopes and more than 2,000 meters of vertical drop across several ski areas, all requiring special attention to ensure the safety of both visitors and operational staff.



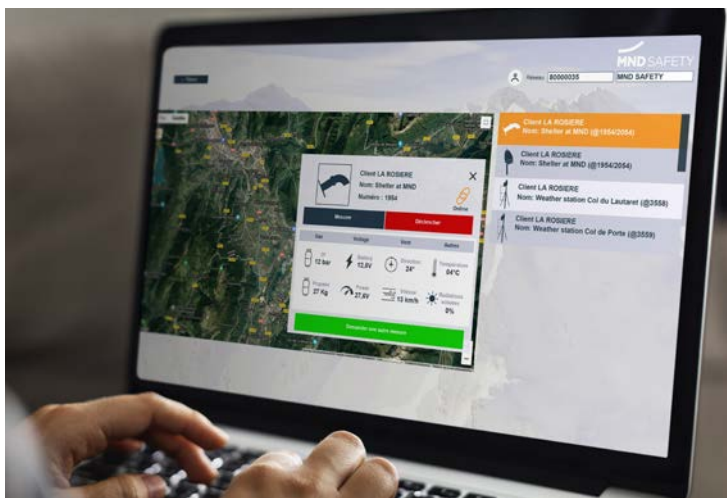
- 
Ski resorts
- 
69 Gazex /Gazflex
- 
7 O'BellX
- 
1 DaisyBell
- 
Roads & Railways
- 
Shelter CIII

 **Chamonix | FRANCE**
GAZEX™ - O'BELLX™ - DAISYBELL™
Since 2009

SAFETY

AVALANCHE PROTECTION FOR AUSTRIA'S MOST FAMOUS RESORT

The renowned Austrian ski resort of Sölden, host of the Alpine Ski World Cup opener, renewed its trust with the delivery and commissioning of 2 additional Gazex systems in 2024. A partner since 1993, the resort now relies on 44 systems to protect its ski area.



 **Sölden | AUSTRIA**
GAZEX™
Since 1993

 Ski
resorts

 44 Gazex
/Gazflex

PROTECTING A HIGHWAY IN A HIGH-RISK AREA

In British Columbia, to ensure safe traffic flow, MND installed 5 removable O’BellX™ systems and 30 Gazex™ units. Operable remotely 24/7, these solutions are the best alternative for road protection while complying with federal regulations requiring non-explosive systems.



SAFETY

A FIRST FOR THE LARGEST SKI RESORT IN THE CAUCASUS!

The recent boom in winter tourism led Georgia's main ski resort to take strong measures in 2019 to manage overall avalanche risk on the slopes. Located at over 2,000 meters altitude, MND equipped the site with 24 Gazex™, 10 shelters/mini-shelters, 1 DaisyBell™, and a complete monitoring system.



Ski resorts



Access roads



24 Gazex /Gazflex



1 DaisyBell



1 Weather station



Gudauri | GEORGIA

GAZEX™ - DAISYBELL™ - MONITORING

Since 2019

SAFETY

PROTECTING INTERNATIONAL SKI COMPETITIONS

The Italian government entrusted MND with securing the Olympic slope, using an environmentally respectful approach and ensuring maximum protection through the installation of 20 O'BellX devices and one DaisyBell.



Ski
resorts



20
O'BellX



1
DaisyBell



1 Weather
station



Cortina d'Ampezzo | ITALY

O'BELLX™ - DAISYBELL™ - MONITORING

Since 2016

SAFETY

NEW AVALANCHE RISK PROTECTION SOLUTIONS

Recognized as the birthplace of avalanche research in North America, the Alta ski resort in Utah equipped itself in 2020 with O'BellX technology for remote avalanche control and triggering. These devices are currently used on East Baldy and East Castle, as well as above Route 210 and the town of Alta.



Alta | USA

O'BELLX™ - DAISYBELL™

Since 2016

SAFETY

SECURING HIGH-TRAFFIC TRANSPORT ROUTES

To protect major roads and highways in Colorado, the Colorado Department of Transportation chose MND's non-explosive systems to optimize procedure times — reduced from 1 hour to just 20 minutes on the Loveland Pass area — and to minimize road closures during avalanche control operations.



		
Roads/ Highways	21 Gazex /Gazflex	17 O'BellX



Colorado DPT. of Transportation | USA

O'BELLX™ - GAZEX™

Since 2014

PROTECTING NORTHERN NORWAY'S ROADS

Between 2015 and 2022, the public agency equipped itself with 5 mobile preventive avalanche triggering systems, enabling the protection of several hundred kilometers of roadway in record time and significantly reducing road closure durations.

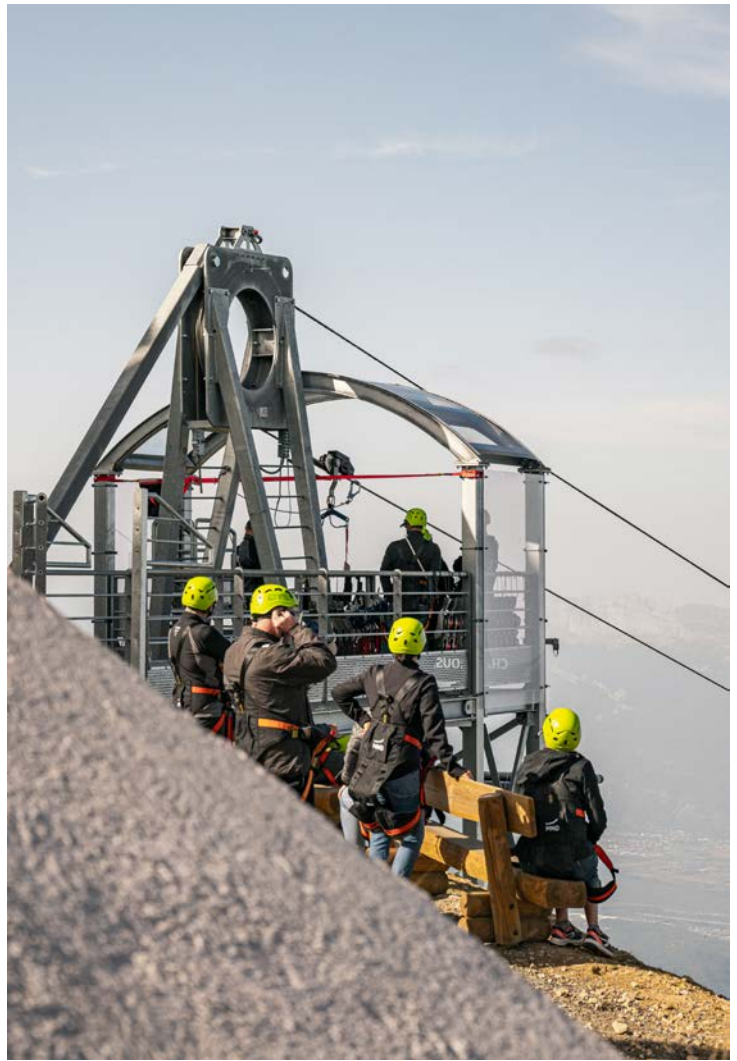




MND LEISURE



TRANSFORMING AREAS INTO UNIQUE LEISURE DESTINATIONS



CREATOR OF THRILLING LEISURE EXPERIENCES

MND LEISURE's mission is to deliver unique experiences, enhance the appeal of tourist sites through a four-season offering, and develop high-adrenaline leisure activities that are seamlessly integrated into their surroundings. This comprehensive approach allows us to combine technical expertise with creativity to offer the public original activities where they can push their limits in complete safety.

Wherever leisure belongs

The outdoor leisure sector is evolving at an increasingly rapid pace. Thanks to our in-house design office and a constantly evolving product range, MND LEISURE helps clients—regardless of the size or ambition of their project—stay one step ahead, stand out from the crowd, and create a concept that best fits their environment.

In collaboration with tourism engineering firms, we design and manufacture new experiences to captivate your audience.



Watch video

SOAR, FLY, RACE, CROSS, CONTEMPLATE, OR BE ENTERTAINED

Our range is comprehensive and adaptable to every site. Since the emergence of the first adventure parks, the world of leisure has undergone a profound transformation. Giant zip lines, summer sleds, skywalks — whether on the ground or in the air, we are now creating new experiences.

Our goal: to bring a wide smile to every face, to spark wonder and emotion.



THEMATIZATION
OF THE CUSTOMER
EXPERIENCE

350
PROJECTS
GLOBALLY



INTEGRATED
DESIGN OFFICE


INDOOR &
OUTDOOR



4 SEASONS



PARTNER OF
SOFT MOBILITIES

30 ★ **YEARS** ★
experience

UNIQUE
AND SAFE
CONCEPTION

#Tailor-Made




MND LEISURE

OUR TAILORED SOLUTIONS



ZIP LINE

Spectacular and accessible, aerial experiences are a true asset for delivering thrills while flying over the site without impacting its ecosystem.



SKYWALK

Making breathtaking locations accessible — in the mountains or in the city — through discreet and secure solutions that reveal the full potential of a panoramic view.



SIGNATURE PROJECT

MND teams up with its subsidiary MBS to offer bespoke attraction projects tailored to the specific needs of each territory.



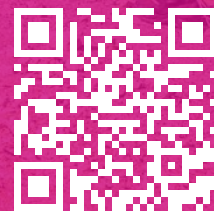
CONVEYOR BELT

A transport solution perfectly suited for learning zones, recreational areas, or to provide faster connections between different parts of your site.



ALPINE COASTER

Whether with family, alone, or with friends, guided descent activities offer an effective four-season alternative, with arrival zones located at the heart of tourist destinations.



Discover the full range of products



SIGNATURE PROJECT

MND LEISURE X MBS: UNLEASH THE UNIQUE IDENTITY OF YOUR DESTINATION!

A creative alliance for unforgettable experiences

Born from the collaboration between **MND LEISURE**, expert in high-adrenaline leisure infrastructure, and **MBS**, specialist in playful and outdoor developments, our «signature projects» approach aims to **reinvent the tourism experience—both in the mountains and beyond**. By combining storytelling, innovation, design, and sustainable manufacturing, we work alongside you to imagine unique, tailor-made concepts designed to leave a lasting impact on both destinations and visitors.

Each project becomes a distinctive driver of attractiveness, designed to enrich four-season offerings, encourage longer stays, and reinforce the identity of the site.

1. CREATE A STRONG AND MEMORABLE LANDMARK FOR YOUR DESTINATION

Thanks to the combined expertise of MND LEISURE and MBS, turn your tourist site into an iconic, immersive, and one-of-a-kind experience.

Each signature project is designed as a powerful symbol with strong appeal—a compelling reason to (re)visit your destination, both in summer and winter.



2. A TAILOR-MADE APPROACH FOR A DISTINCTIVE POSITIONING

Our projects are neither standard nor replicable—they are designed specifically for your site, your landscape, your story, and your audience.

The goal: to create a unique market offering that positions your destination as innovative, family-friendly, and future-oriented.

TREK 12: A CULT BOARD GAME BROUGHT TO LIFE AS A FULL-SCALE ADVENTURE TRAIL AT LES SYBELLES



Inspired by the popular board game TREK 12, this unique project makes LES SYBELLES® the first destination in France to offer a large-scale, story-driven tourism experience:

- 27 themed installations (*ziplines, scenic viewpoints, trails, play areas, chill zones, and more*)
- An interactive mobile app connected to the terrain via QR codes
- A customized board game to take the adventure home

By combining innovation, accessibility, and full immersion in nature, this project enhances the appeal of LES SYBELLES®.



ABOUT **MBS**

A specialist in recreational and outdoor development, MBS is a subsidiary of the MND Group, renowned for its expertise in designing and manufacturing equipment that enhances natural and tourist environments.

From design to on-site installation, MBS delivers tailor-made solutions that combine creativity, durability, and seamless landscape integration.

Each project is developed with a responsible approach, balancing attractiveness, safety, and environmental respect to offer visitors immersive and sustainable experiences in the heart of nature.



Discover the project



DES SOLUTIONS A LA MESURE DE VOS ENVIES

DESIGNING SAFER AND MORE ATTRACTIVE MOUNTAIN AREAS

Since 1994, MBS (a subsidiary of the MND Group) has been designing, manufacturing, and installing tailor-made solutions for ski resorts and tourist destinations: signage, safety systems, recreational facilities, and structures for sporting events.

With strong local roots in Savoie and a growing presence in North America, MBS brings hands-on expertise and adaptability to support the development of tourist sites.



Get to know MBS



A « SIGNATURE » OFFERING

Every site is unique: MBS designs equipment tailored to the local environment, client expectations, and public use. Whether it's a recreational sports course, a panoramic relaxation area, or a competition venue, MBS delivers a custom solution co-designed with operators and local authorities.

KEY NUMBERS

30

★ YEARS ★
experience

+30000

ACTIVE CUSTOMERS
IN EUROPE AND NORTH
AMERICA

2

PRODUCTION SITES
IN FRANCE AND IN
THE USA

100%

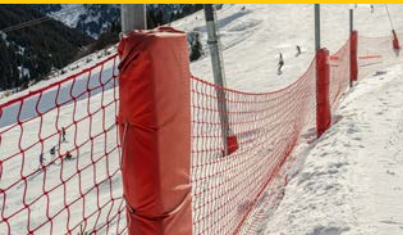
OF PROJECTS COMPLIANT
WITH SAFETY STANDARDS

SIGNAGE



Signage plays an essential role in the mountain experience. MBS develops fully customizable solutions for trail marking, directional signs, and ground markings. Made from durable and resistant materials, the equipment is designed to integrate into the environment while ensuring smooth and multilingual readability in all conditions.

SAFETY



MBS designs and manufactures safety solutions for ski resorts and major sporting events. Protection mats, nets, and rescue equipment: all systems are designed to combine robustness, ease of installation, and compliance with international standards. The largest resorts and competitions trust MBS to ensure the safety of their users and spectators.

RACING



Each year, MBS supports the organization of international events such as the Critérium de la Première Neige in Val d'Isère and numerous FIS World Cups by supplying essential equipment for the setup and safety of competition courses.

Thanks to its technical expertise and the quality of its products, the MBS team is able to meet terrain constraints and organizers' requirements to ensure athlete safety and the success of each event.

LEISURE



MBS actively contributes to diversifying activities in resorts, both in summer and winter. In close collaboration with MND LEISURE, the company develops recreational facilities such as ziplines, panoramic walkways, chill zones, play areas, and sensory trails. Each installation is designed to create new family experiences and enhance the tourist appeal of mountain destinations.

LAND-USE PLANNING



MBS is renowned for designing unique projects tailored to each site. With its in-house design office and expertise in both wood and metal manufacturing, MBS supports operators from the design phase through to installation. This "signature" know-how is also exported to North America through MBS America, the North American subsidiary based in Colorado.

LEISURE

THE WORLD'S LARGEST ZIP LINE WITH PYLONS!

Opened for the summer season of 2023, the zip line is now one of the flagship activities on the Croix de Chamrousse plateau, with a departure point at 2,253 meters in altitude. Spanning 1,904 meters in length, with a vertical drop of 600 meters and speeds reaching up to 80 km/h, it is the largest zip line in the world featuring intermediate pylons.



CAROLINE GIACHINO

Project Manager

« This project was truly spectacular. We had to tackle technical challenges related to the innovative nature of the installation, the site's exposure to unpredictable weather conditions, and unique technical features. What I'll remember most are the testing days, when all MND teams came on-site to lend a hand carrying the ballast weights — and the joy, after so much effort and energy, of seeing the smiles on our clients' faces when it opened to the public! »



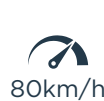
Zipline



600m



1950m



80km/h



Intermediate
tower



Adrenaline

 **Chamrousse | FRANCE**
Zipline | 2023



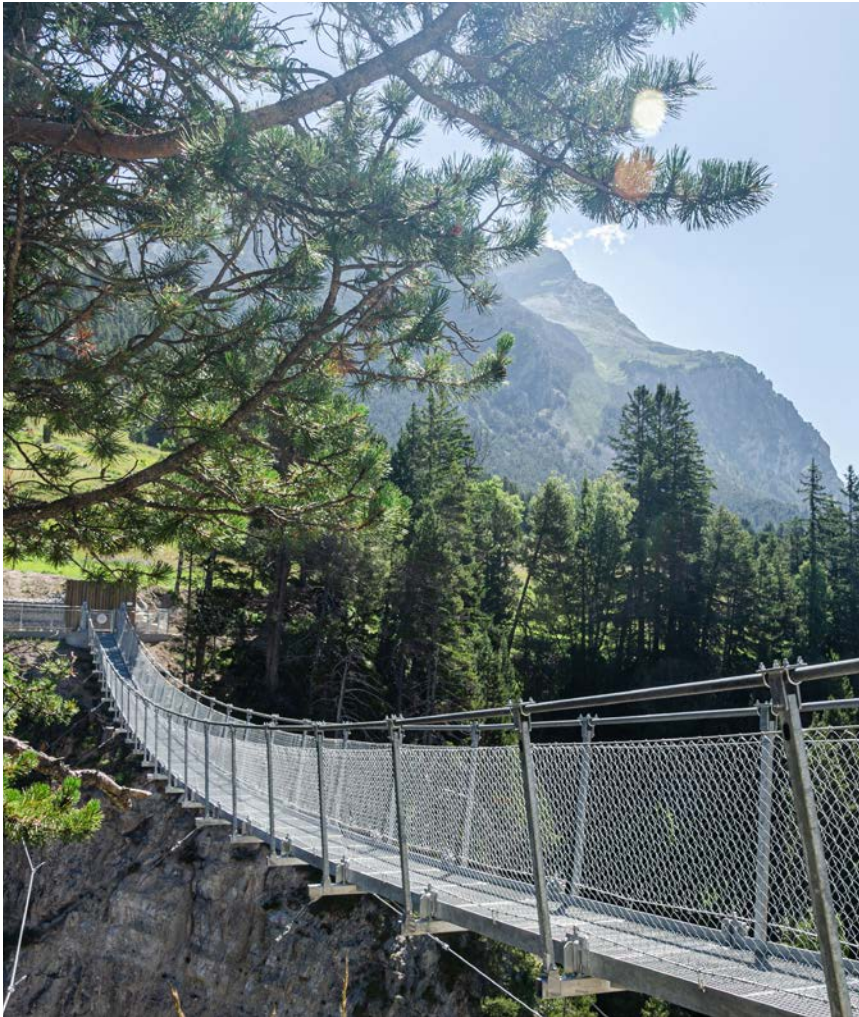
FRÉDÉRIC GEROMIN
General Director - Chamrousse

« The Chamrousse zip line, a large-scale project carried out alongside MND, is a long-term investment for the resort, offering an activity in winter and summer alike. It represents a diversification of our offering, which is a key driver of attractiveness for the resort. We are very proud to have launched this zip line. »

LEISURE

AN INCOMPARABLE NATURE EXPERIENCE!

Crossing the Ambin Gorges, this footbridge is open year-round and provides access to a variety of tourist activities in both summer and winter: cross-country ski trails, snowshoeing paths, via ferrata, ice climbing, and even bivouac sites. It thus serves as a connection point for the local economy and the diversification of tourism in this mountain region, all while respecting the natural environment.



MATHIEU FRASSON

Project Manager

« This four-season skywalk is one of MND's finest achievements, providing access to the via ferrata in summer and to ski touring routes in winter. The mountain environment brings specific challenges, such as wind and snow, and we had to adapt the structure so that it could withstand up to 1 meter of snow. »




Footbridge


62m


Sustainable
mobility


Tailor-made


4 Seasons

 **Bramans | FRANCE**
Footbridge | 2023



BASTIEN REGIS

*Tourism officer at Val Cenis
Town Hall*

« We chose MND for the quality of their proposal and their experience. Timing constraints meant that we had to carry out the work in winter at an altitude of 1650m, in the snow. But MND was able to respond on time to build the footbridge. The quality of the infrastructure is second to none! »

IMPROVED ACCESS TO THE SLOPES OF CHRISTMAS MOUNTAIN

In 2024, Christmas Mountain Village enhanced its ski area with the installation of two conveyor belts, improving access to the ski slopes and tubing hill. These installations make it easier for visitors to return uphill, offering a smoother and more enjoyable experience for both skiers and tubing enthusiasts.



2 Belts



165 & 120m



0,8m/s

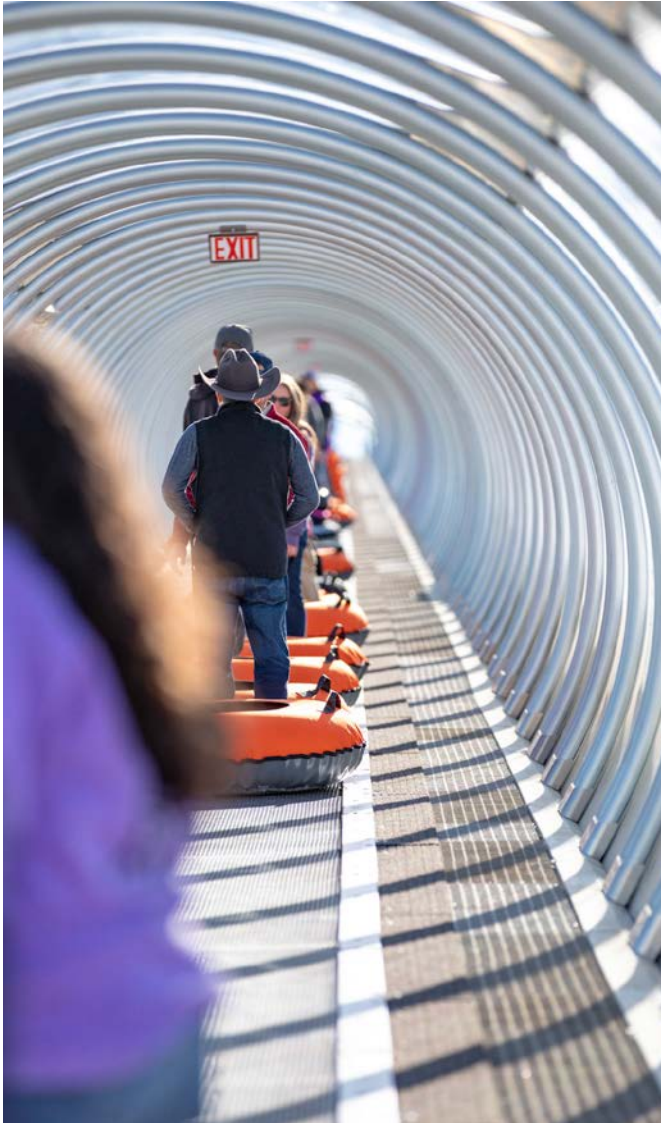


Christmas Mountain | USA

Conveyor belt | 2024

4 CONVEYOR BELTS SERVING THE LARGEST TUBING HILL

Inaugurated in 2023, our four conveyor belts enhance the experience at Hoedown Hill in Windsor, Colorado — recognized as the largest tubing hill in North America. The belts, with the longest measuring 515 meters and operating at a speed of 0.8 meters per second, make access to the summit easy and efficient.



Hoedown Hill | USA

Conveyor belt with canopy | 2023

A CONVEYOR BELT BOOSTING THE RESORT'S FOUR-SEASON OFFERING

The new 68-meter-long “Jas d’Estive” four-season conveyor now energizes the resort’s snow front. It enables the operation of a beginner area in both winter and summer, while also allowing the creation of a dedicated mountain biking zone.



				
Belt	1400p/h	65m	8%	0,7m/s

 **Réallon | FRANCE**
Conveyor belt with canopy | 2023

THE LARGEST ZIP LINE IN AZERBAIJAN AT SHAHDAG RESORT

In autumn 2024, MND inaugurated the largest zip line in Azerbaijan at the Shahdag resort. With a length of 1,172 meters, a vertical drop of 224 meters, and a 19% gradient, this dual zip line offers a unique, all-season experience.



Zipline



224m



1172m



4 Seasons



Adrenaline



Shahdag | AZERBAÏDJAN
Zipline | 2024

THE ZIP LINE: A HIGH-SPEED AERIAL RIDE

La Plagne set out to boost its appeal with a steep zip line designed to attract a family audience. Better known for its ski area, La Plagne made a successful bet in 2016 by partnering with MND to diversify its offer with a unique experience: a four-season zip line capable of reaching speeds of 90 km/h — safely.



Zipline



600m



90km/h



50 000 p/year



4 Seasons



Adrenaline

 **La Plagne | FRANCE**
Zipline | 2016

A WORLD FIRST FOR THIS 100% NATURE ZIP LINE

With a 1,200-meter descent and speeds exceeding 90 km/h, this zip line features a single intermediate pylon — a world first achieved in 2017. A true technical feat made possible by cutting-edge engineering.



Zipline



1200m



90km/h



Intermediate tower



4 Seasons



Adrenaline



Geilo | NORWAY

Zipline | 2017

LEISURE

A ZIP LINE NEARLY 1 KM LONG

At this all-in-one tourist destination, MND built the country's longest continuous zigzag zip line, featuring 9 segments for a total descent of nearly 1 kilometer. During the ride, visitors can enjoy views of the rolling hills and deep valleys surrounding this must-see site in India.



9 Ziplines



950m



10 Structures



Turnkey project



Adrenaline

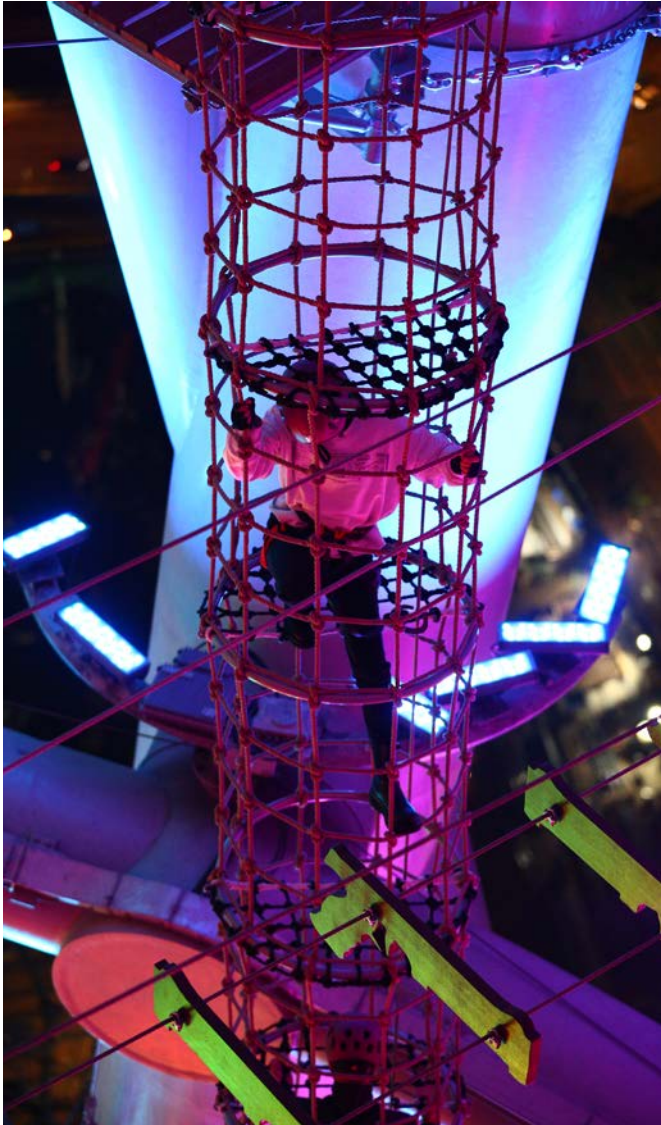


Patnitop | INDIA
Zipline | 2019

LEISURE

A THRILLING EXPERIENCE AT THE TOP OF CANTON TOWER

Usually built in natural environments, aerial adventure courses now blend into the 100% urban landscape of the iconic Canton Tower. Offering visitors a truly vertical experience, MND enhances the Tower's tourist appeal with three fun-filled courses located between 180m and 330m above the ground, as well as a breathtaking 360° Skywalk.



Breathtaking
view



37 Games
1 Skywalk



185 to 300m



Turnkey project



Adrenaline



Canton | CHINA

Aerial adventure course | 2020

Watch video



LEISURE

A NEW ACTIVITY TO ENHANCE OUR REGION

MND overcame several challenges to deliver a high-tech zip line capable of adapting to the site's topography and crossing steep terrain with the help of two pylons. This new activity is a major asset for the resort, complementing its existing offerings.



 **Méaudre | FRANCE**
Zipline | 2020

LEISURE

THE NEXT-GENERATION MONORAIL COASTER

Bosco Gurin is the highest village in the Ticino region of Switzerland — and now home to our next-generation monorail luge. This four-season, gravity-driven attraction is designed for all audiences and built to tackle any slope. Every aspect of our luge has been developed to combine design, safety, and customization. Ride solo or in pairs — and enjoy it without limits!




15 Sledges


980m


40km/h


4 Seasons


Adrenaline



Bosco Gurin | SWITZERLAND
Fun Coaster | 2021

Watch video



THE STEEPEST ZIP LINES IN FRANCE

In 2020, MND inaugurated a giant dual zip line connecting the summit of Col de la Faucille to the Mijoux resort, offering a unique flying experience — solo or side-by-side — in the heart of nature. The journey begins right from the launch platform, leading to a thrilling descent of over one minute with speeds reaching up to 90 km/h. The ride ends safely thanks to our hydraulic braking system.



 905m	 37%	 90Km/h	 Turnkey project	 Adrenaline
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 **Mijoux | FRANCE**
Zipline | 2020

Watch video



LEISURE

A SKYWALK CONNECTING TWO REGIONS

This suspended footbridge, inaugurated in October 2023, spans 200 meters in length and 3 meters in width, crossing the Rhône River and ensuring the continuity of the Via Rhôna between Lapalud and Avignon. Designed for pedestrians and cyclists, this structure is part of the broader development project for the final section of the cycling route in the Vaucluse, actively promoting the growth of soft mobility in the region.



 **Sauveterre | FRANCE**
Footbridge | 2023

LEISURE

AN ALLY OF SOFT MOBILITY

Opened on July 23, 2021, the Virignin footbridge ensures continuity along the ViaRhôna cycling route, which connects Lake Geneva to the Mediterranean, linking La Balme in Savoie with Virignin in the Ain department. This connection provides a safe alternative that respects natural and heritage considerations, while also serving as a key asset for regional tourism appeal.




Footbridge


170m


Sustainable
mobility


Tailor-made

 **Virignin | FRANCE**
Footbridge | 2021

Watch video



130 METERS LONG: A NEW SUSPENSION FOOTBRIDGE

A new piece of infrastructure designed and manufactured in France by MND now spans the Casserousse corridor. Perched at over 2,200 meters in altitude, this 130-meter-long Himalayan-style footbridge now provides the link between La Croix de Chamrousse and Casserousse.



Footbridge



130m



Turnkey project



Adrenaline

 **Chamrousse | FRANCE**
Footbridge | 2022

Watch video



OUR INTERNATIONAL PRESENCE



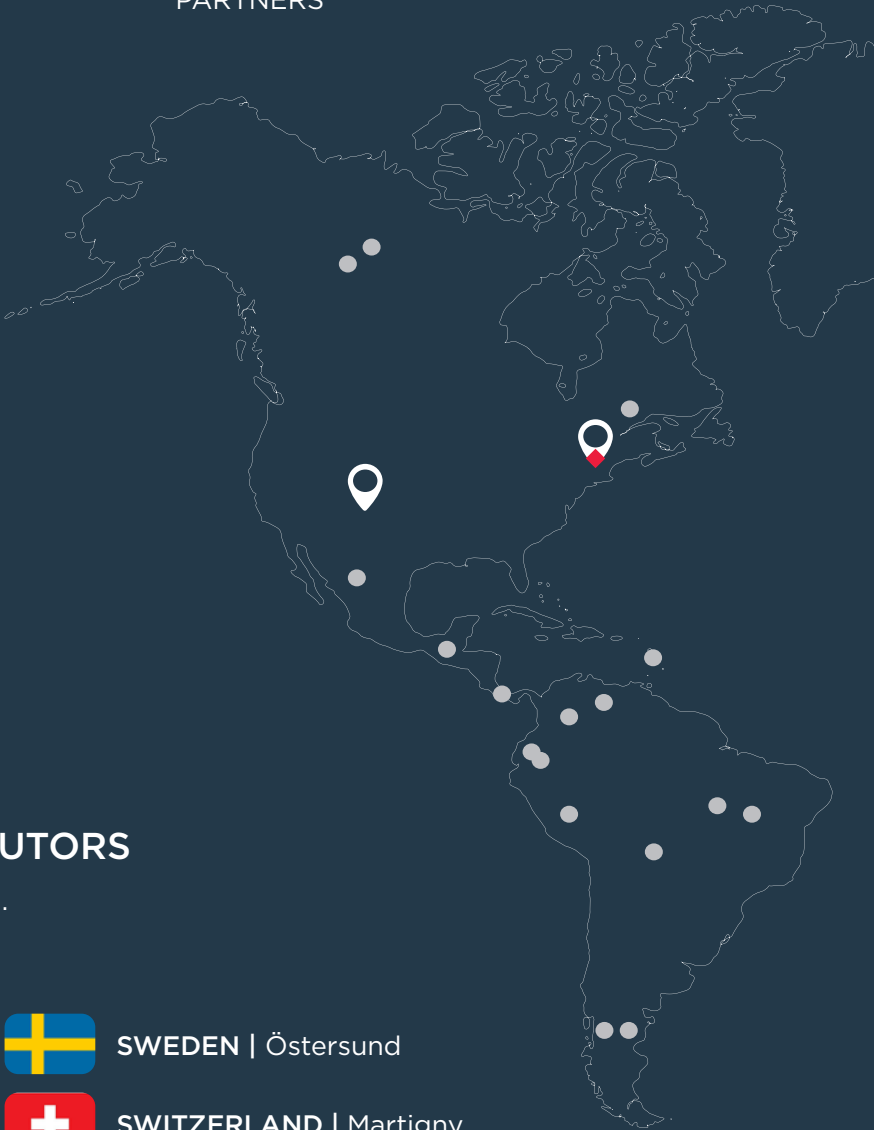
3 000 CUSTOMERS +
IN 50 COUNTRIES



INTERNATIONAL
LOCATIONS



INTERNATIONAL SALES
PARTNERS



◆ MBS PRESENCE

● MND AGENTS AND DISTRIBUTORS

Contact us for more information.

📍 MND PRESENCE



FRANCE - HEADQUARTERS
Sainte-Hélène-du-Lac



AUSTRIA | Innsbruck



ITALY | Brescia



SPAIN



UZBEKISTAN | Chimgan



SWEDEN | Östersund



SWITZERLAND | Martigny



USA & CANADA | Eagle, CO - Laconia, NH



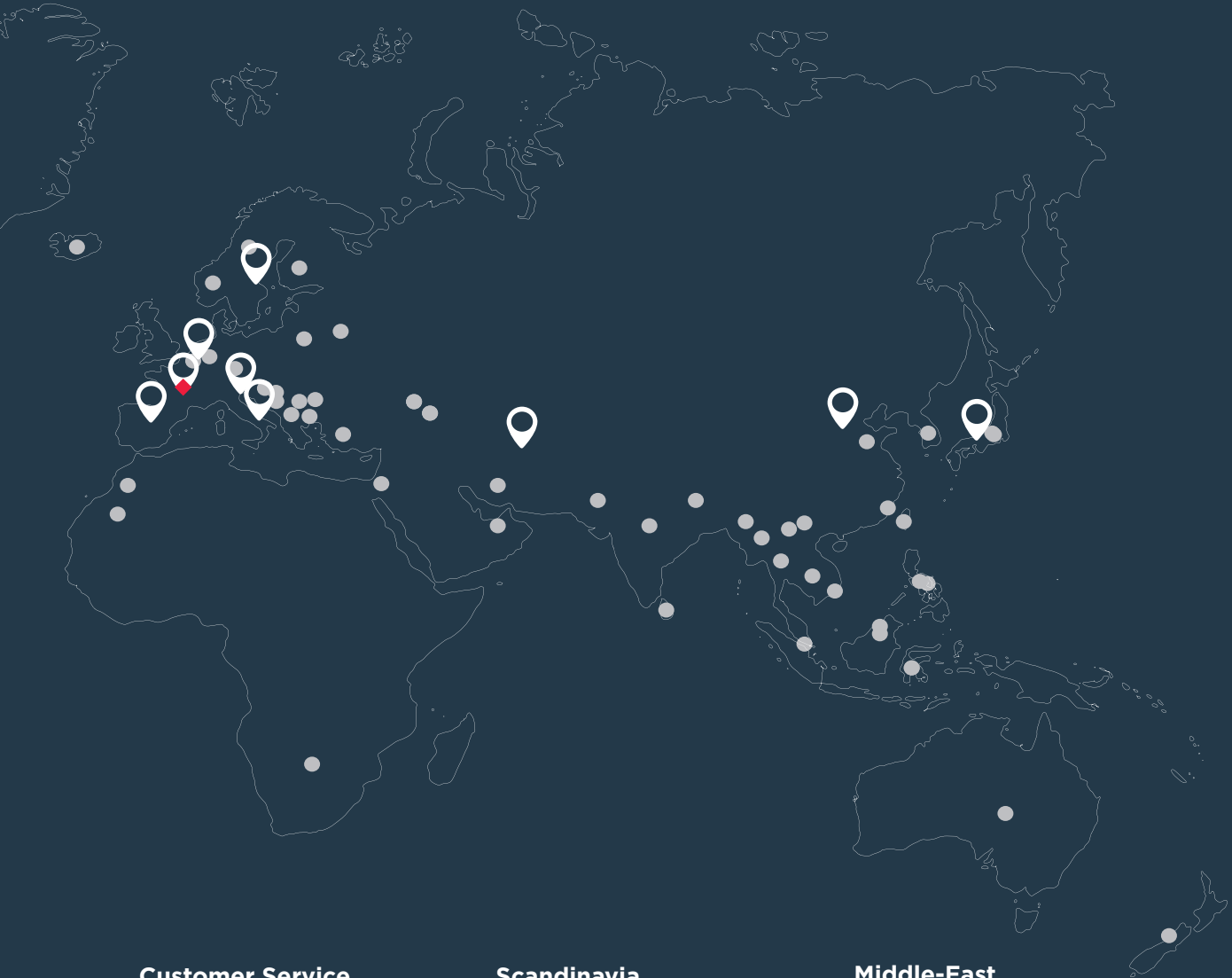
CHINA | Beijing - Zhangjiakou



JAPAN | Tokyo



NORWAY | Oslo



Customer Service
service@mnd.com

France
france@mnd.com

Western Europe
western europe@mnd.com

DACH
dach@mnd.com

Scandinavia
scandinavia@mnd.com

Eastern Europe
easterneurope@mnd.com

Latin America
latam@mnd.com

Africa
africa@mnd.com

Middle-East
middle-east@mnd.com

North America
northamerica@mnd.com

Asia - Oceania
asiaoceania@mnd.com

Urban Ropeways
urban@mnd.com



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MANY SOLUTIONS

Parc d'Activités Alpespace - 74 voie Magellan - 73800 Sainte-Hélène-du-Lac - FRANCE
contact@mnd.com | www.mnd.com

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