



# **EDITORIAL**XAVIER GALLOT-LAVALLÉE

Chairman

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



This development is, above all, the result of the teams who bring MND to life every day, of you—our clients and partners—who place your trust in us, and of the mindset that drives us: delivering practical, sustainable solutions while staying attuned to needs on the ground.

Today, with an international presence and roots firmly anchored in the Alps, we continue to evolve with the same high standards. This commitment guides our ability to offer infrastructure tailored to every project: ropeway systems, leisure attractions, snowmaking solutions...expertise that enhances the visitor experience and strengthens the appeal of tourist destinations, wherever they may be.

This approach is fully aligned with our determination to innovate responsibly, prioritizing local production, high-performance technologies, and year-round use.

This year marks a new chapter with the launch of our strategic plan Yes We Care 2030, entirely focused on customer satisfaction. In the following pages, you will discover the main pillars of this plan, which will shape our development priorities for the years to come.

MND is, above all, a collective adventure—built on shared challenges and a common desire to create useful, sustainable infrastructure. It is this momentum that allows us to look to the future with both confidence and humility.

Thank you to all those who share this adventure with us and who, every day, help us write the next chapter.

#### Xavier GALLOT-LAVALLÉE

















# CONTENTS L O **TABLE**

1. OUR PURPOSE		
THE GLOBAL OFFER		06
20 YEARS OF HISTORY		08
YES WE CARE		12
GOVERNANCE		14
2. EXPERTISE & KNOW-HOW		
MADE IN THE ALPS		18
INNOVATION - R&D		20
SERVICE		22
3. CSR		
OUR COMMITMENTS	I	24
4. OUR 4 BUSINESS LINES		
✓ LEISURE	1	26
Our missions		28
Our solutions		30
Signature projects		32
MBS		34
Our references: Flagship projects and client testimonials	I	36
→ ROPEWAYS		52
Our missions		54
Our solutions		56
ORIZON™		58
Our references: Flagship projects and client testimonials	ı	62
✓ SNOW		72
Our missions		74
Our solutions		76
Our references: Flagship projects and client testimonials	ı	78
5 INTEDNATIONAL DDESENCE	1	9.4



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.









# **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 vet 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.

# 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 SNOWSTAR were integrated to MND thus joining the world's top 3 in artificial snow.





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.



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



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 as 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.



# 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  $ORIZON^{TM}$ , 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** 











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



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







# **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.



# 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,  $ORIZON^{T}$  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.



# **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.







#### PROVIDING SUPPORT DURING OPERATIONS

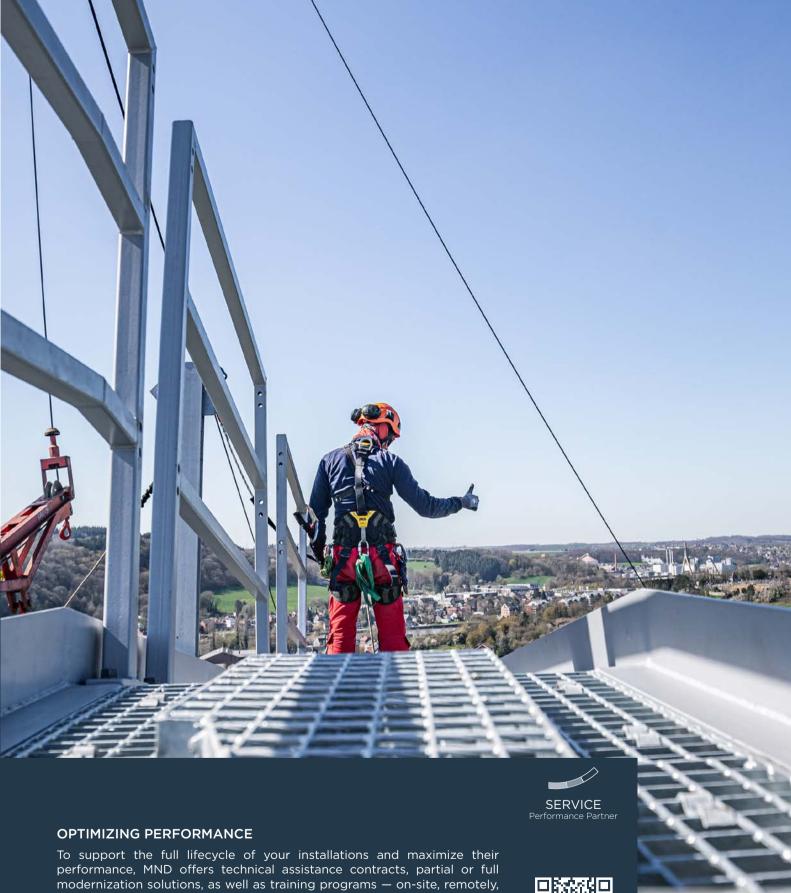
Technical support, guidance, on-site intervention planning, or spare parts — our teams are here to respond quickly and effectively to support your decision-making. During peak activity periods, we offer 24/7 support delivered by our expert network to ensure immediate and efficient assistance.



#### 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.





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.



Watch video



# 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



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



# 2,700 SQM OF NEW SOLAR PANELS INSTALLED



# 9,500 SQM OF BUILDINGS HEATED BY GEOTHERMAL ENERGY

These investments are part of a long-term low-carbon strategy to make our production site a model of eco-construction and energy efficiency

# **CONCRETE RESULTS, A CONTINUOUS DYNAMISM**

Our ambition: to measure, manage, and progress. CSR at MND is not based on declarations, but on tracked indicators and concrete actions





# -50% GREENHOUSE GAS EMISSIONS BY 2035



# 95.5% OF OUR WASTE IS RECYCLED



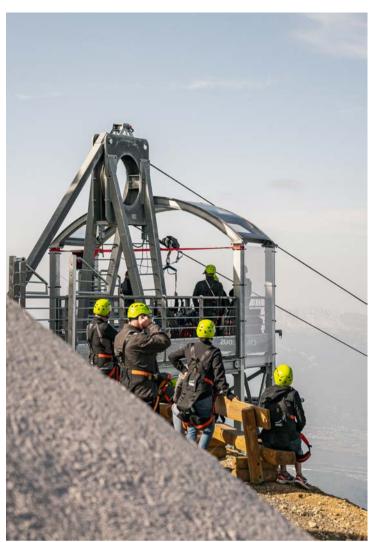


















# CREATOR OF THRILLING LEISURE EXPERIENCES

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



30 \*YEARS\* experience

UNIQUE AND SAFE CONCEPTION

#Tailor-Made





# **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.



# **CONVEYOR BELT**

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



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.



# 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.



# SIGNATURE PROJECT

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



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, tailormade 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, familyfriendly, 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



# 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.





Find out more







# 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**

**★YEARS**★ experience

**ACTIVE CUSTOMERS** 

IN EUROPE AND NORTH AMERICA

**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 inhouse 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.















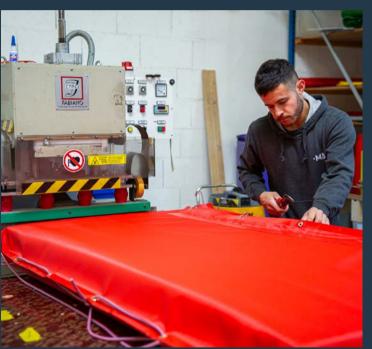








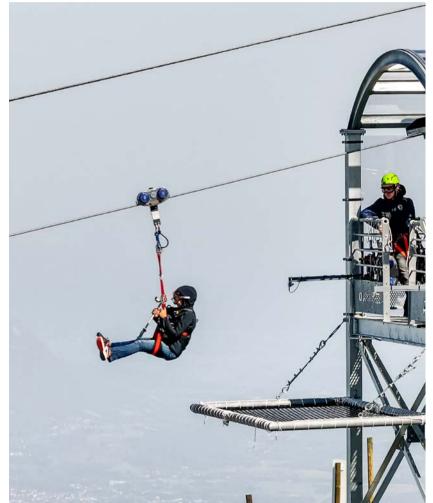






#### THE WORLD'S LARGEST ZIP LINE WITH PYLONS!

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! »



























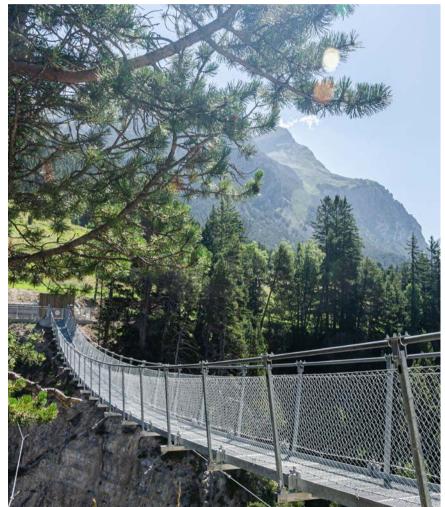


FRÉDÉRIC GEROMIN General Director - Chamrousse

« 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. »

#### 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
Proiect 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. »























**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! »

#### 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.























### 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.



















### 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.





















### 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.















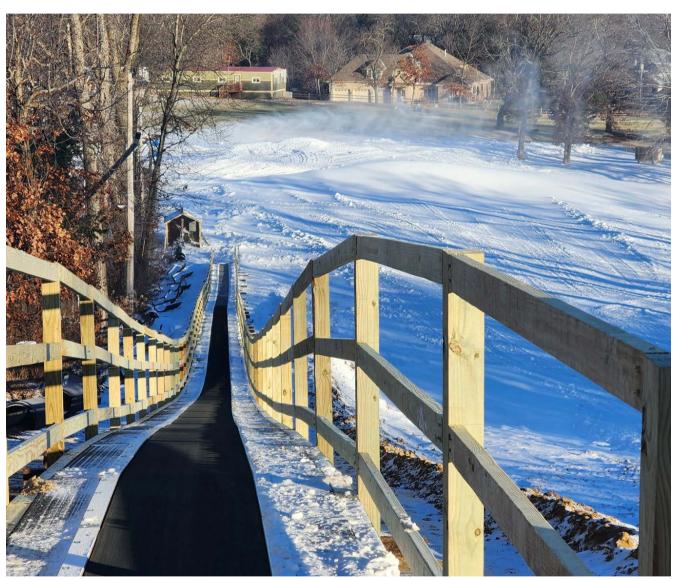






## IMPROVED ACCESS TO THE SLOPES OF CHRISTMAS MOUNTAIN

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.







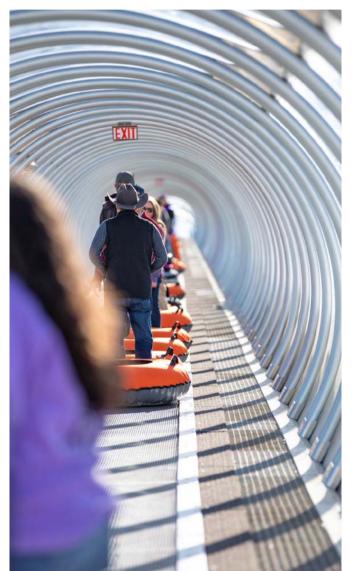


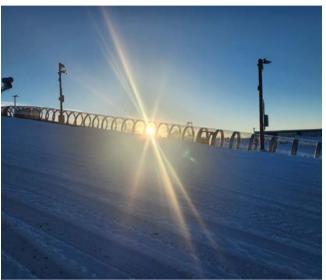




#### 4 CONVEYOR BELTS SERVING THE LARGEST TUBING HILL

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.



















### 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.

















### 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.















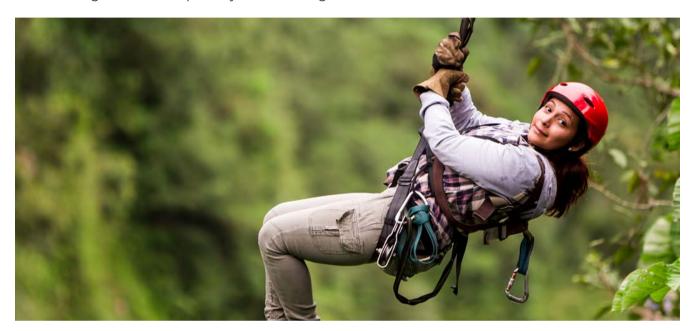






## A ZIP LINE NEARLY 1 KM LONG

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.















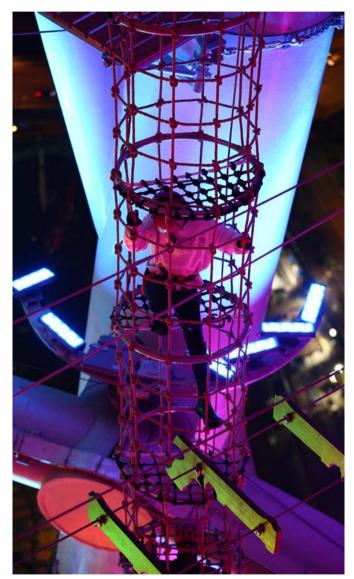






#### A THRILLING EXPERIENCE AT THE TOP OF CANTON TOWER

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.

























### 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.

















#### THE NEXT-GENERATION MONORAIL COASTER

Bosco Gurin is the highest village in the Ticino region of Switzerland — and now home to our nextgeneration 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!

























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.





800+
ROPEWAYS
TRANSPORTING
MILLIONS OF
PASSENGERS



ŌRIZON





SUPPORT FROM FRENCH NATIONAL ENVIRONMENT AGENCY TO DEVELOP NEW URBAIN MOBILITY





20
INNOVATION
ENGINEERS

SOLUTIONS To operation & MAINTENANCE









## **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.



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





## TOWARDS A NEW ORIZON

ORIZON<sup>™</sup> 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.

 $\mathsf{ORIZON}^{\mathsf{m}}$  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.







#### **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 staving 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  $ORIZON^{\text{TM}}$  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  $ORIZON^{TM}$  technology in real conditions and discover its Direct Drive motor, gravity-based conveyor system, and modular design developed for four-season operation.





## **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.







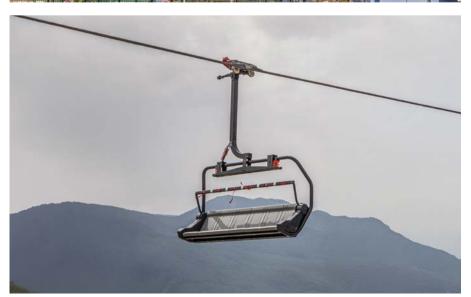














PLACI WENZIN
Engineering Development Manager

« 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-ofthe-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. »













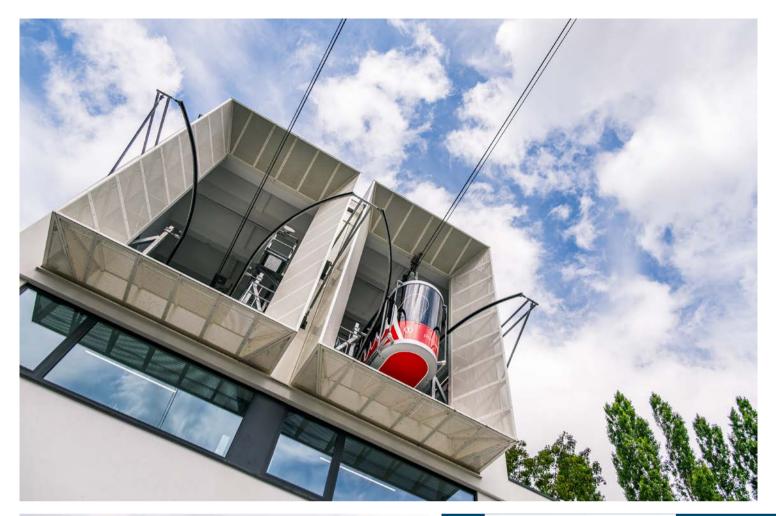
















**CHRISTOPHE COLLIGNON** *Mayor of Huy* 

« 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**

### 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.























## **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.





















## 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

















## **ROPEWAYS**

## OBERHOF, A MECCA FOR MOUNTAIN BIKERS, OFFERS CHAIR LIFTS FOR MOUNTAIN BIKERS

In winter and summer alike, the fixed-grip quad chairlift provides an efficient transport solution for visitors to the Oberhof site. The bottom station is housed in a building, while the top station has been designed to blend in perfectly with the mid-mountain location. Seats equipped with innovative bicycle racks facilitate boarding and allow comfortable and fast turns for mountain bikers in the summer.

















## **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).

























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





#### 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.



































### WF 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.







- Quality not only in the manufacturing of our products, but also in delivering snow enjoyment of skiers around the world.
- Reliability: easy-to-use and easy-toefficient snowmaking.
- Durability: an industrial-grade, robust,

#### **ALL-WEATHER & INDOOR SNOWMAKERS**

Snow production systems outdoor use, regardless of weather conditions.





# DURABILITY OPTIMIZATION PERFORMANCE

600

CUSTOMERS

**SET OF HISTORY**★ YEARS ★
OF HISTORY

20,000 \*\*\* FAN GUNS 300 AUTOMATED SYSTEMS





INDOOR SOLUTIONS

25,000 SNOW LANCES







## **OUR TAILORED SOLUTIONS**



# ALL-WEATHER SNOWMAKING SYSTEM

Blizzard Factory is the most sophisticated market. Our feature-packed system produces the snow that you need as part of an incredibly compact design.



#### SNOWMAKING SYSTEMS

snowmaking systems.



#### **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.



#### INDOOR SNOWMAKING **SYSTEM**

The new generation of indoor snowmaking systems incorporates a simple, yet reliable operating and production system that snowmaking machines trailing in its wake. A high-performance solution with an integrated design.



#### MONITORING SOFTWARE

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



Discover the full range of products



#### **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.





**DIDIER SPECK** Technical Sales Manager

« To address the lack of snow at the start of the season and 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. »















#### ALL-WEATHER SNOWMAKING SOLUTION FOR A LONG-STANDING CLIENT

In the heart of the Bayarian Alps, the Obertsaufen ski resort is equipped with an all-weather snowmaking solution. Capable of producing snow at positive temperatures, the Blizzard Factory ensures continuous snow coverage on the resort's base area regardless of weather conditions, guaranteeing ski-in access to the village and reliable snow for the ski school area.





















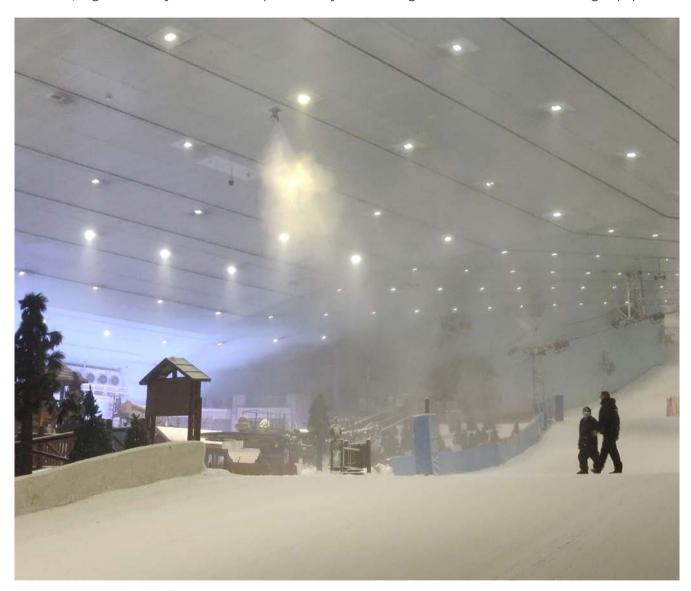
**Oberstaufen | GERMANY** 

All weather solutions | 2022 Since 1995

#### **SNOW**

#### A COLLABORATION DEDICATED TO THE DEVELOPMENT OF THE PHOENIX INDOOR SNOWMAKER

To validate the performance of its PHOENIX indoor snowmaking technology, MND SNOW carried out an 18-month testing phase at Ski Dubai, one of the world's most iconic indoor ski resorts. This realworld trial enabled the evaluation of the system's reliability, energy efficiency, and snow quality in a confined, high-humidity environment particularly demanding conditions for snowmaking equipment.











#### **SNOW**

#### A SOLUTION TESTED IN REAL CONDITIONS

To further validate its PHOENIX indoor snowmaking solution, MND SNOW launched a new real-world testing phase at SnowWorld Zoetermeer in the Netherlands, starting in April 2022. This year-round, high-traffic indoor ski center provided the ideal setting to assess the consistency of production, performance, and durability of the snow generated by PHOENIX in a demanding environment. These trials marked a key milestone in the development of the solution, designed for indoor facilities seeking quality, reliability, and energy efficiency.









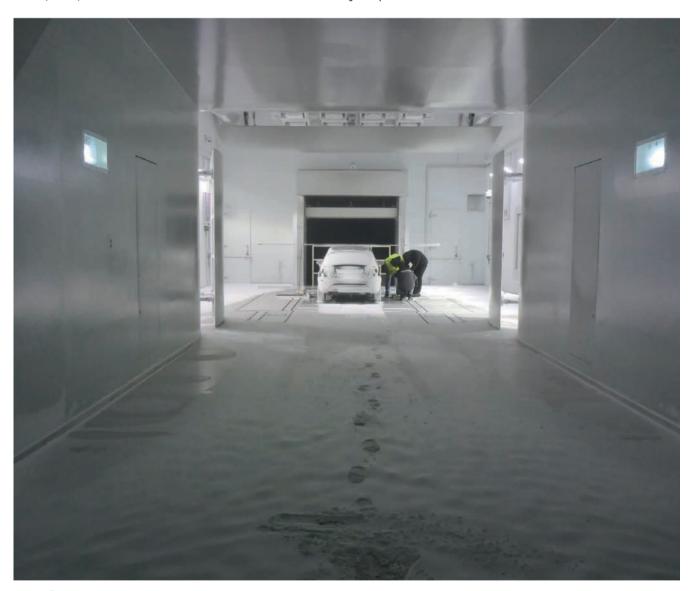


**Zoetermeer | NETHERLANDS** 

Indoor snowmaking | 2022

#### 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.















Automated snowmaking system | 2018

# **OUR INTERNATIONAL PRESENCE**





INTERNATIONAL LOCATIONS



INTERNATIONAL SALES
PARTNERS







#### **MND** AGENTS AND DISTRIBUTORS

Contact us for more information.















**SWEDEN** | Östersund



**SWITZERLAND** | Martigny



USA & CANADA | Eagle, CO - Laconia, NH



CHINA | Beijing - Zhangjiakou



JAPAN | Tokyo



NORWAY | Oslo

# **EXPERTISE** Made in the Alps



**France** france@mnd.com

**Western Europe** westerneurope@mnd.com

**DACH** dach@mnd.com scandinavia@mnd.com

**Eastern Europe** easterneurope@mnd.com

**Latin America** latam@mnd.com

**Africa** africa@mnd.com middle-east@mnd.com

**North America** northamerica@mnd.com

Asia - Oceania asiaoceania@mnd.com

**Urban Ropeways** urban@mnd.com





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