



## THE MOST COMPLETE RANGE OF REMOTE AVALANCHE CONTROL SYSTEMS

From fixed systems to removable and mobile solutions, MND SAFETY offers the right answer for every terrain configuration.

MND PRESENTS

**O'BELLX 1.8**

THE MOST POWERFUL REMOVABLE SYSTEM IN THE O'BELLX™ RANGE

## A GLOBAL LEADER IN PREVENTIVE AVALANCHE CONTROL

For nearly 40 years, MND SAFETY has been designing and deploying innovative systems to protect mountain infrastructure, ski resorts and transport routes against avalanche risks.

With more than 3,000 exploders installed worldwide, our portfolio includes fixed, removable and airborne systems, remotely operated to adapt to all types of terrain.



**TERRACE  
CANADA**  
GAZEX™ - O'BELLX™ - DAISYBELL™



**CALTRANS  
USA**  
GAZEX™ - O'BELLX™



**LOS PELAMBRES  
CHILE**  
GAZEX™



**CHAMONIX**  
FRANCE  
GAZEX™ - O'BELLX™ - DAISYBELL™



**MÉRIBEL**  
FRANCE  
GAZEX™ - O'BELLX™



**ARNØYA**  
NORWAY  
O'BELLX™



**CORTINA D'AMPEZZO**  
ITALY  
O'BELLX™ - DAISYBELL™



**SÖLDEN**  
AUSTRIA  
GAZEX™



**LOTTE ARAI**  
JAPAN  
GAZEX™ - O'BELLX™

# A COMPLETE RANGE OF AVALANCHE CONTROL SOLUTIONS

## GAZEX™



### FIXED AVALANCHE CONTROL SYSTEM

Developed in the late 1980s, GAZEX™ was the world's first system to enable remote preventive avalanche triggering without the use of solid explosives. This major innovation fundamentally transformed avalanche risk management on roads and mountain infrastructure.

- 3 power settings available: 0.8, 1.5, 3
- Over 80 shots

## O'BELLX™



### REMOVABLE AVALANCHE CONTROL SYSTEM

Designed in response to terrain constraints encountered on many mountain roads, O'BellX™ makes it possible to secure avalanche-prone areas where the installation of a fixed device is not feasible. It is a removable, energy-autonomous system that can be rapidly deployed, particularly suited to remote, protected, or difficult-to-access sites.

- 2 power settings available: 1.2, 1.8
- Up to 60 shots

## DAISYBELL™



### MOBILE AVALANCHE CONTROL SYSTEM

Developed for situations where no permanent installation is possible, DaisyBell™ is a helicopter-borne mobile system that enables fast, targeted, and safe preventive avalanche triggering.



## **NIVWATCH™ MONITORING SYSTEM**

Monitoring systems developed by MND SAFETY are installed directly within avalanche paths. They continuously measure key parameters such as snow depth and avalanche-related seismic activity.

This data is transmitted remotely, providing road operators with objective, real-time insight into on-site conditions even during severe weather or at night, when field access is impossible.



## **SAFETY-cs™ CONTROL SOFTWARE**



Beyond triggering devices, effective avalanche risk management relies on the ability to control, supervise, and make decisions remotely.

SAFETY-cs™ is the software platform that centralizes all information related to the systems installed in the field. It enables infrastructure managers to monitor equipment status in real time, remotely initiate avalanche releases, and oversee operations from a control center, laptop, or tablet.

## **RADAR AVALANCHE TRIGGER DETECTION SYSTEM**



For real-time monitoring of natural or triggered avalanche activity, with tools for alarm management or automatic closure of access routes.



Discover the full range of products

**TODAY, MND INTRODUCES THE MOST POWERFUL REMOVABLE SYSTEM IN THE O'BELLX™ FAMILY**

## **DISCOVER O'BELLX™ 1.8**

**THE O'BELLX™ SYSTEM WITH THE HIGHEST TRIGGERING CAPACITY IN THE RANGE**

Designed for the most demanding avalanche control operations, O'BellX™ 1.8 combines unmatched triggering performance with up to 60 shots before refill, while maintaining the proven reliability of O'BellX™ technology.



Discover the O'BellX™ 1.8

# THE MOST POWERFUL O'BELLIX™ SYSTEM EVER DEVELOPED BUILT FOR MAXIMUM EFFICIENCY



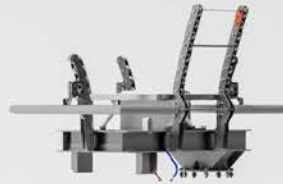
Standard carrying handle  
available across the entire  
range



The most powerful of the  
removable triggering systems



Range of up to 60 shots



Integrated monitoring features:  
snow depth, remaining gas  
quantity



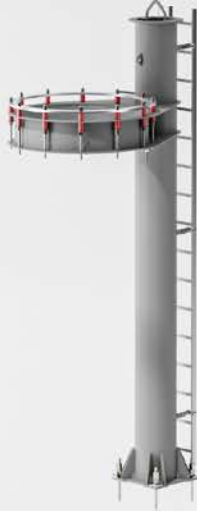
Multisync for coordinating multiple  
simultaneous or synchronized firings



Service life: 30 years



A tank suitable for various  
power ratings



Always leaves no chemical residues  
on the ground or in the air

	POWER	AUTONOMY
O'Bellix™ 1.2	<p>0.8 to 1.2</p>	<p>Up to 24 shots</p>
O'Bellix™ 1.8	<p>0.8 to 1.8</p>	<p>Up to 60 shots</p>

# ADVANCED MONITORING WITH SAFETY-CS

O'BELLX 1.8 AS ALL MND AVALANCHE CONTROL SYSTEMS CAN BE MONITORED AND OPERATED REMOTELY VIA THE SAFETY-CS CONTROL SOFTWARE.

## SAFETY-CS

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

- Remote triggering
- System status monitoring
- Gas level management
- Weather integration
- Operational reporting



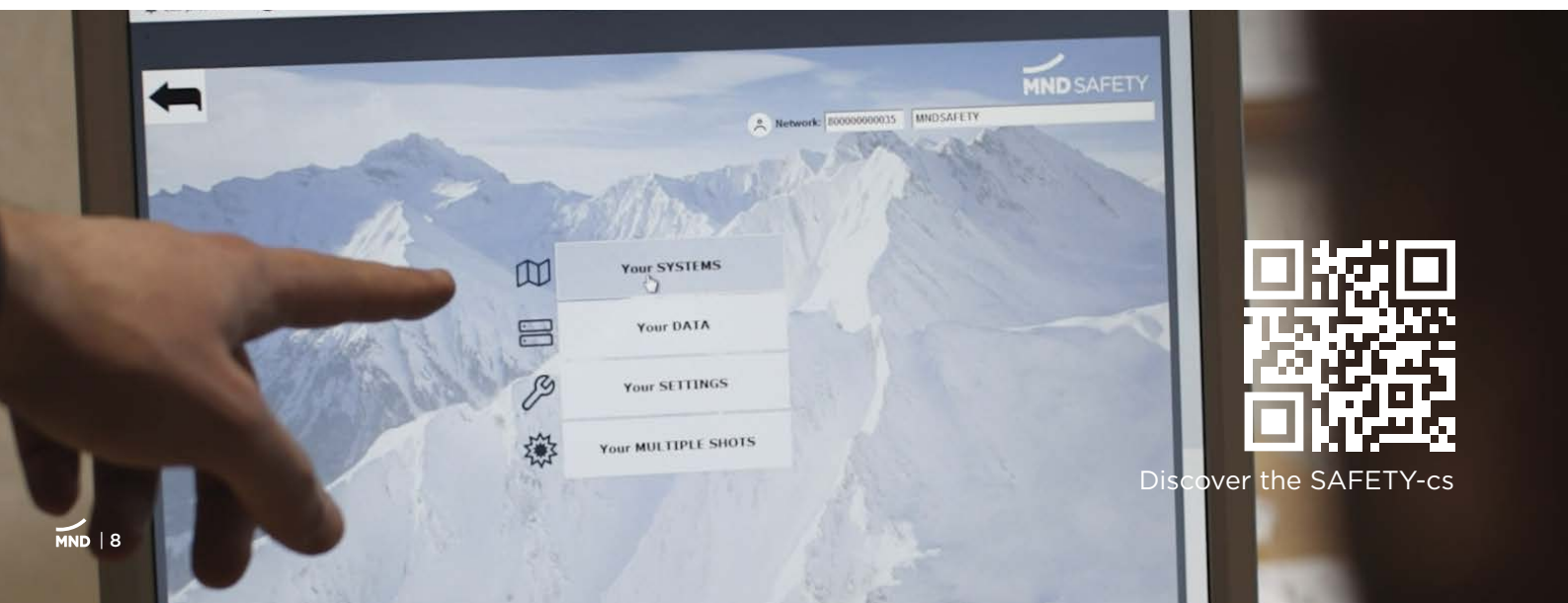
## STRENGTHS

### REMOTE ACCESSIBILITY

SAFETY-cs can be accessed on all devices with an Internet connection (PC or tablet). A personalised login with two-factor authentication is used to monitor and secure your operations. The software is connected to all MND devices, including Gazex™ and O'Bellx™, as well as weather stations, radars and Avawatch, to ensure the end-to-end management of your facility.

### GUARANTEED TRIGGER

Since it is vitally important to protect cities, infrastructures and ski areas round the clock, we have set up an infallible dual redundancy system, i.e. a dual communication system (4G and radio) and dual software access (online and local).



Discover the SAFETY-cs

# 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.



### 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 Performance Partner

#### 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.

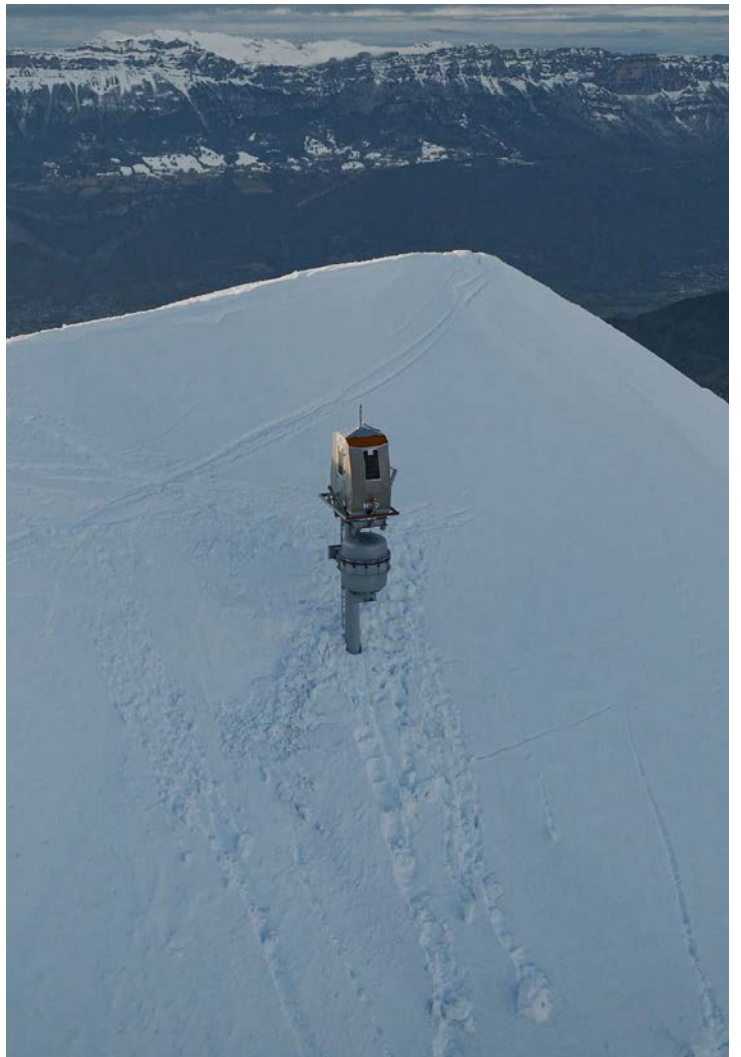


### SERVICE Maintenance Solutions

#### 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.







**3000+**

GAZEX/GAZFLEX



**BEFORE  
DURING  
AFTER**

**EXTREME  
CLIMATIC CONDITIONS**

**66**

DAISYBELL



**23**

COUNTRIES



**230**

O'BELLX

**NO EXPLOSIVES**

**35**

★YEARS★

experience

**TIME  
SAVING**



  
**EXPERTISE**  
Made in the Alps



ONE PARTNER  
MANY SOLUTIONS

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