

References

Wyssen Avalanche Control AG



Safety through **innovation**



Alpentel



Place: Alpentel, WA

Country: USA

Protected Object(s):

Ski resort

Installed Systems:

2x Avalanche Tower LS12-5

Year:

Installed in 2024

Photo credits: © Alpentel

Alta Ski Area



Place: Alta, Utah

Country: USA

Protected Object(s):

Ski Resort

Installed Systems:

18x Avalanche Tower LS12-5

Year:

Projects since 2021

Andermatt-Sedrun Sport AG

SkiArena
ANDERMATT + SEDRUN

Place: Andermatt, UR

Country: Switzerland

Protected Object(s):

Ski Resort

Installed Systems:

19x Avalanche Tower LS12-5

WAC.3® operational software:
Cockpit, Assessment, Piste
inspection, Explosives, Accidents,
Helicopter control via digital
radio device

Year:

Projects since 2003

*Photo credits: © Andermatt-Sedrun
Sport AG*

Anglo American División Los Bronces



Place: Los Bronces

Country: Chile

Protected Object(s):

Copper Open Pit Mine

Installed Systems:

43x Avalanche Towers LS12-5

7x GINA® Geophones in
Avalanches

11x LIA® Laser Scanner

Construction:

Construction installation of all
Wyssen RACS in high altitude

Year: Projects since 2018



ASFINAG

A|S|F|i|N|A|G

Place: Flachauwinkl, Salzburg

Country: Austria

Protected Object(s):

A10 Tauern Highway

Installed Systems:

3x Avalanche Tower LS12-5

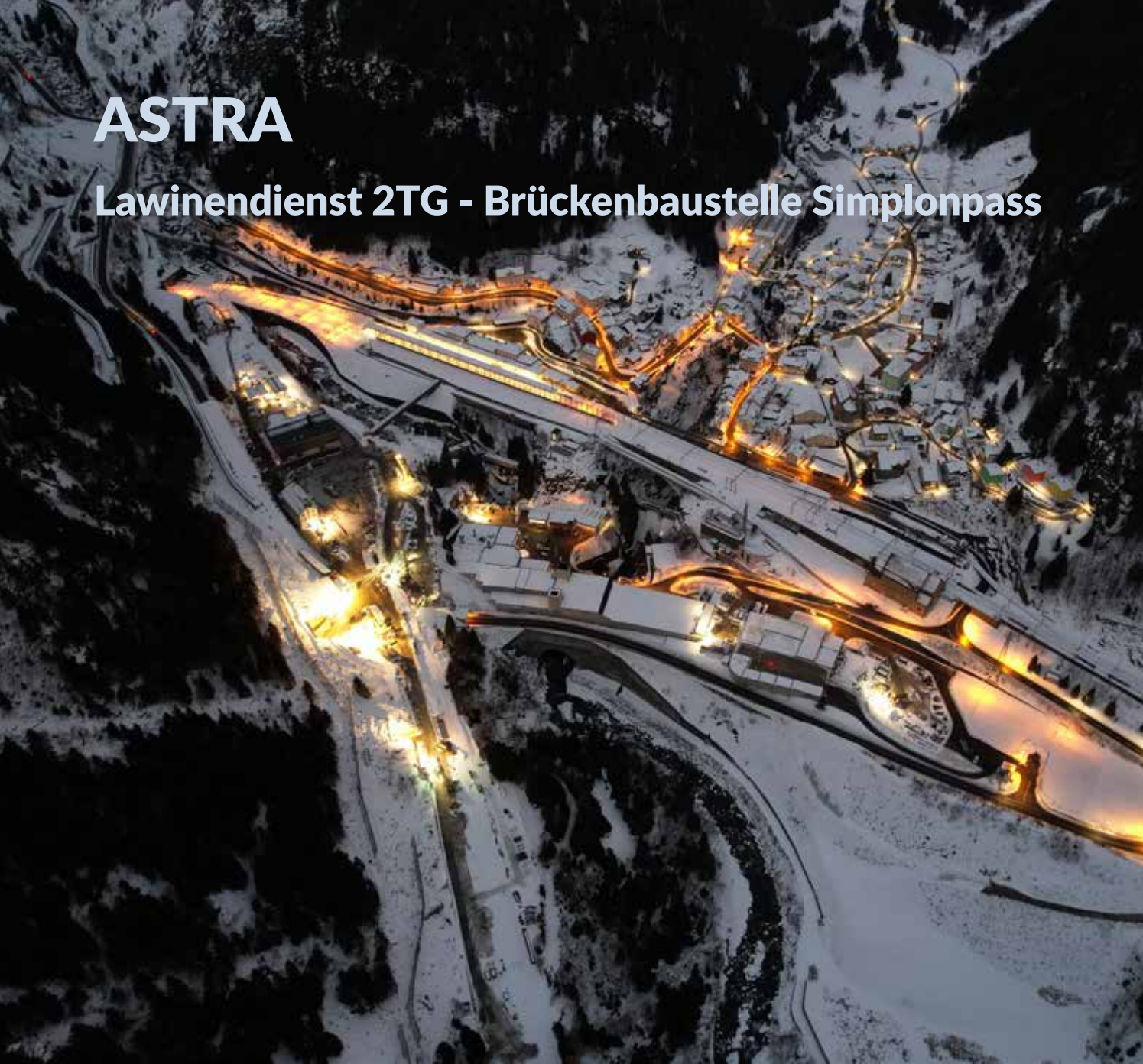
1x Weather station

1x LIA® Laser Scanner

1x Stand Alone Weather station

Year:

Installed in 2020



ASTRA

Lawinendienst 2TG - Brückenbaustelle Simplonpass



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Bundesamt für Strassen ASTRA

Place: Airolo TI, Göschenen UR
Simplon pass VS

Country: Switzerland

Protected Object(s):

Road, Construction site
second tube Gotthard, Bridge
construction site

Installed Systems:

1x Avalanche Tower LS12-5
IDA® Infrasonnd Detection System
WAC.3® operational Software:
Cockpit and Assessment
Safety Concept from  **geoformer**
INGENIEURE, GEOLOGEN, PLANER

Year:

Installed in 2021 and 2022

Photo credits: © Andrea Dotta



**avalanche
control**

Arosa Bergbahnen AG



Lässt Herzen höher schlagen.

Place: Arosa, GR

Country: Switzerland

Protected Object(s):

Ski Resort

Installed Systems:

10x Avalanche Tower LS12-5

WAC.3[®] operational software:
Cockpit and Explosives

Year:

Installed in 2020 and 2021

Photo credits: © Arosa Tourismus, Nina Mattli

Avers Skibetriebs AG



Place: Cresta (Avers), GR

Country: Switzerland

Protected Object(s):

Ski Resort

Installed Systems:

1x Avalanche Tower LS12-5

2x Weather Station

WAC.3® Cockpit

Year:

Installed in 2017 and 2020

Photo credits: © demateo.com

Berg- & Skilift Hochsöll GmbH & Co. KG



Söll

Place: Söll, Tyrol

Country: Austria

Protected Object(s):

Ski Resort

Installed Systems:

1x Avalanche Tower LS12-5

Year:

Installed in 2012

*Photo credits: © Berg- & Skilift Hochsöll
GmbH & Co. KG*



Bergbahn AG Kitzbühel

An aerial photograph of a snowy mountain ski resort. The landscape is covered in snow with patches of evergreen trees. Several ski lifts are visible, including a prominent one in the center. There are small buildings and structures scattered across the slope, and many skiers can be seen on the runs. The sky is clear and blue.

Place: Kitzbühel, Tyrol
Country: Austria

Protected Object(s):
Ski Resort

Installed Systems:
4x Avalanche Tower LS12-5

Year:
Installed in 2015 and 2018

Photo credits: © KitzSki_werlberger

Bergbahnen Adelboden -Lenk



Place: Adelboden/Lenk BE

Country: Switzerland

Protected Object(s):
Ski resort

Installed Systems:

WAC.3[®] operational software:
Cockpit, Explosives,
Piste inspection

Year:
Installed in 2024

Photo credits: © Phil Wenger

Bergbahnen Disentis



Place: Disentis/Mustér GR

Country: Switzerland

Protected Object(s):

Ski resort

Installed Systems:

WAC.3[®] operational software:
Cockpit, Assessment,
Explosives

Year:

Installed in 2024

Bergbahnen Engstligenalp AG

Adelboden
Engstligenalp

Place: Adelboden, BE

Country: Switzerland

Protected Object(s):

Ski Resort

Installed Systems:

2x Avalanche Tower LS12-5

1x Bomb Tramway

WAC.3® Cockpit

Year:

Projects since 2000

Remark:

The very first Avalanche Tower installed worldwide!

Bergbahnen Hohsaas AG

Saas-Grund
Hohsaas Bergbahnen

Place: Saas-Grund, VS

Country: Switzerland

Protected Object(s):

Ski Resort

Installed Systems:

WAC.3[®] operational Software:
Cockpit, Assessment,
Explosives, Helicopter control,
Accidents

Year:

Installed in 2021

Photo credits: © Bergbahnen Hohsaas AG

Bergbahnen Kühtai GmbH & Co KG



Place: Kühtai, Stubai Alps

Country: Austria

Protected Object(s):

Access Roads and Ski Resort

Installed Systems:

3x Avalanche Tower LS12-5

Year:

Installed in 2013 and 2018

Bergbahnen Meiringen-Hasliberg AG

Bergbahnen
Meiringen-Hasliberg



Place: Hasliberg, BE

Country: Switzerland

Protected Object(s):

Ski resort

Installed Systems:

WAC.3[®] operational software:
Cockpit, Assessment,
Explosives, Helicopter control,
Piste inspection

Year:

Installed in 2024

Photo credits: © Bergbahnen Meiringen-Hasliberg AG

Bergbahnen Obertauern GmbH



Place: Obertauern

Country: Austria

Protected Object(s):

Ski Resort

Installed Systems:

8x Avalanche Tower LS12-5

3x Signal horn

WAC.3[®] operational software:
Explosives

Year:

Projects since 2012

Photo credits: © Bergbahnen Obertauern GmbH

Bergbahnen Samnaun AG & Gemeinde Samnaun



Place: Samnaun, GR

Country: Switzerland

Protected Object(s):

Ski Resort, Road and
Residential Area

Installed Systems:

90x Avalanche Tower LS12-5

2x Avalanche Tower LS24-5

WAC.3[®] operational software:
Cockpit Pro, Assessment,
Explosives, Piste inspection,
Helicopter control, Accidents

Year:

Projects since 2001

Bergbahnen Scuol



Place: Scuol, GR

Country: Switzerland

Protected Object(s):

Ski Resort

Installed Systems:

WAC.3® operational software:
Cockpit Pro, Assessment,
Piste inspection, Accidents
Helicopter control

Year:

Projects since 2025

Bergbahnen See Ges.m.b.H.



Place: See, Paznaun Valley

Country: Austria

Protected Object(s):

Ski Resort

Installed Systems:

5x Avalanche Tower LS12-5

1x Signal horn

Year:

Installed in 2016 and 2022

Photo credits: © www.bergbahn.com

Bergbahnen Silvretta Galtür GmbH & CO Kg

SILVAPARK.AT



Place: Galtür, Tyrol

Country: Austria

Protected Object(s):

Ski Resort

Installed Systems:

4x Avalanche Tower LS12-5

Year:

Installed in 2009, 2011 and 2016

*Photo credits: © Bergbahnen Silvretta
Galtür GmbH & Co Kg*

Bergbahnen Sörenberg AG



Place: Sörenberg, LU

Country: Switzerland

Protected Object(s):

Ski resort

Installed Systems:

WAC.3[®] operational software:
Cockpit, Explosives

Year:

Installed in 2024

Bergbahnen Wildhaus AG



Place: Wildhaus, SG

Country: Switzerland

Protected Object(s):

Ski resort

Installed Systems:

WAC.3[®] operational software:
Cockpit, Explosives

Year:

Installed in 2024

Photo credits: © Bergbahnen Wildhaus AG



Canadian National Railway Company



Place: Valemount

Country: Canada

Protected Object(s):

Railway

Installed Systems:

2x Avalanche Tower LS12-5

Communication:

Radio and satellite

Year:

Installed in 2019 and 2022

Clearance of former ammunition storage Mitholz VBS

Place: Kandergrund, BE
(Mitholz)

Country: Switzerland

Protected Object(s):
Construction site / clearance
of former ammunition storage

Installed Systems:
WAC.3[®] Cockpit

Year:
Installed in 2023

Crans-Montana CMA

CRANS 
MONTANA
DOMAINE SKIABLE

Place: Crans-Montana, VS

Country: Switzerland

Protected Object(s):

Ski Resort

Installed Systems:

WAC.3[®] operational software:
Cockpit Pro, Explosives, Piste
inspection, Helicopter control,
Accidents

Year:

Projects since 2024

Codelco Andina



Place: Los Andes, V Región

Country: Chile

Protected Object(s):

Copper Open Pit Mine

Installed Systems:

53x Avalanche Towers LS12-5

3x IDA®, 10x GINA®, 4xLIA®

WAC.3® operational software:

Cockpit, Assessment, ComTool

Construction:

Construction installation of 33x
Wyssen RACS in high altitude

Services:

Winter operation in Andina Mine
2018-2030

Year: Various installations from 2018-
2024

Colorado Department of Transportation, CDOT



Place: Lizard Head Pass, CO

Country: USA

Protected Object(s):

Highway 145

Installed Systems:

8x Avalanche Tower LS12-5

Year:

Projects since 2020

Photo credits: © Roz Reynolds

Commune d'Evolène



Place: Evolène, VS
Country: Switzerland

Protected Object(s):
Residential area and road

Installed Systems:
5x Avalanche Tower LS24-5
1x LIA® Laser Scanner
WAC.3® operational Software:
Cockpit, Helicopter control

Year:
Installed in 2023

Future:
Total Tower project: 16x Avalanche
Towers LS24-5 (2020-2032)

Comune di Acquarossa



Place: Acquarossa, IT
Country: Switzerland
Operator: Amici del Nara

Protected Object(s): Ski Resort,
Residential area (holiday huts)

Installed Systems:

4x Avalanche Tower LS12-5

3x LIA® Laser Scanner

1x Weather Station

1x Camera

WAC.3® operational Software:
Cockpit, Helicopter control,
Communication

Year: Projects since 2021

Photo credits:

© Belinzona e Valli Turismo Luca Crivelli

Comunità Montana Alta Valtellina



Place: Livigno

Country: Italy

Protected Object(s):

Access Road

Installed Systems:

3x GINA® Geophones in Avalanche

1x IDA® Infrasound Detection System

4 Cameras

1 PTZ camera

WAC.3® Cockpit PRO

Software module “Piste inspection” for the inspection and monitoring of critical transportation routes and hiking trails

Year: Projects since 2025

Remark:

The systems provided important protection during the Milano Cortina 2026 Olympic Winter Games

Davos Klosters Mountains



Place: Davos/Klosters, GR
Country: Switzerland

Protected Object(s):
Ski Resort

Installed Systems:

14x Avalanche Tower LS12-5
1x Avalanche Tower LS24-5
2x Mini Towers LS6-5
1x Bomb tramway

WAC.3[®] operational software:
Cockpit, Assessment, Helicopter control,
Explosives, Piste inspection, NxD

Year: Projects since 1974

Remark:

The very first installed bomb
tramway in 1974

Diavolezza



Place: Pontresina, GR

Country: Switzerland

Protected Object(s):

Ski Resort

Installed Systems:

1x Avalanche Tower LS12-5

WAC.3[®] operational software:
Cockpit , Assessment,
Explosives, Helicopter control,
Piste inspection, Accidents

Year:

Projects since 2003

Engadin St. Moritz Mountains



Place: St. Moritz, GR

Country: Switzerland

Protected Object(s):

Ski Resort

Installed Systems:

5x Avalanche Towers LS12-5

1x Mini Tower LS6-5

2x Bomb Tramway

WAC.3[®] operational software:

Cockpit, Helicopter control

Year:

Projects since 2008

Fisser Bergbahnen GmbH (Serfaus-Fiss-Ladis)



Place: Fiss, Tyrol

Country: Austria

Protected Object(s):

Ski Resort

Installed Systems:

5x Avalanche Tower LS12-5

1x Weather station

1x Wind sensor

1x LIA® Laser Scanner

WAC.3® operational software:

Cockpit, Explosives Pro, Helicopter control, Piste inspection

Year:

Projects since 2016

Photo credits: © Fisser Bergbahnen GmbH

Fügen Bergbahnen Ges.m.b.H & Co KG



Place: Fügen im Zillertal

Country: Austria

Protected Object(s):

Ski Resort

Installed Systems:

5x Avalanche Tower LS12-5

Year:

Installed in 2015

Photo credits: © rieder - zillertal.at

Gargellner Bergbahnen GmbH & Co KG



Place: Gargellen, Vorarlberg
Country: Austria

Protected Object(s):
Ski Resort

Installed Systems:

WAC.3[®] operational software:
Cockpit Pro, Assessment,
Explosives Pro, Helicopter control
NxD, Piste Inspection

Year:
Projects since 2023

*Photo credits: © Gargellner Bergbahnen GmbH & Co KG,
Sebastian Leitner*

Gasteiner Bergbahnen

www.skigastein.com



Place: Gasteiner Valley

Country: Austria

Protected Object(s):

Ski Resort

Installed Systems:

6x Avalanche Tower LS12-5

Year:

Various installations from
2006-2012

Gemeinde Bergün Filisur



Place: Bergün Filisur GR

Country: Switzerland

Protected Object(s):

Hiking trails, Cross-country ski trails,
Snowshoe trails, Toboggan runs,
Roads, Railway

Installed Systems:

WAC.3® operational software:
Cockpit, Assessment,
Piste inspection, ComTool

Year:

Installed in 2024

Remark:

Operator of the 4 Avalanche
Towers LS12-5 of the Rhaetian
Railway (RhB) in the municipal area



Gemeinde Davos



Place: Davos, GR

Country: Switzerland

Protected Object(s):

Road, Railway, Settlement area

Installed Systems:

8x Avalanche Tower LS12-5

1x LIA[®] Laser Scanner

6x GINA[®] Geophones in Avalanches

1x Webcam

WAC.3[®] operational software:
Cockpit, Assessment, Explosives

Year:

Installed in 2010, 2017 and 2019

Gemeinde Disentis



Place: Disentis, GR

Country: Switzerland

Protected Object(s):
Infrastructure

Installed Systems:

WAC.3[®] operational software:
Cockpit and Assessment

Year:
Installed in 2023

Photo credits: © Simon Cathomen

Gemeinde Frutigen



Place: Frutigen, BE

Country: Switzerland

Protected Object(s):

Road

Installed Systems:

2x GINA® Geophones in
Avalanches

1x Alert system

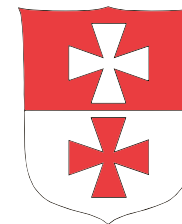
WAC.3® Cockpit

Year:

Installed in 2018 and 2019

Photo credits: © Gemeinde Frutigen

Gemeinde Goms



GEMEINDE
GOMS

Place: Gluringen, VS

Country: Switzerland

Protected Object(s):

Road and Railway

Installed Systems:

8x Avalanche Tower LS12-5

4x IDA® Infrasound Detection System

1x GINA®, 1x SARA®

WAC.3® operational Software:

Cockpit and Assessment

Safety Concept from  **geoformer**
INGENIEURE, GEOLOGEN, PLANER

Raphael Imsand and the avalanche
warning service

Year:

Projects since 2008

Photo credits: © RSD Goms

Gemeinde Ischgl



Place: Ischgl, Tyrol

Country: Austria

Protected Object(s):

Road, Edge of Settlement area

Installed Systems:

8x Avalanche Tower LS12-5

1x LARA® Long range
avalanche radar

Year:

Installed in 2011

Photo credits: © Christian Schmid

Gemeinde Kappl



Place: Kappl, Tyrol

Country: Austria

Protected Object(s):

Road, Edge of Settlement area

Installed Systems:

3x Avalanche Tower LS12-5

1x LARA® Long range
avalanche radar

Year:

Installed in 2013

*Photo credits: © Tourismusverband
Paznaun - Ischgl*

Gemeinde Kaunertal



Place: Kaunertal, Tyrol

Country: Austria

Protected Object(s):

Road

Installed Systems:

1x Avalanche Tower LS12-5

1x LARA® Long range
avalanche radar

Year:

Installed in 2012

*Photo credits: © TVB Tiroler Oberland
Kaunertal / Martin Lugger*

Gemeinde Klosters-Serneus



Gemeinde
Klosters-Serneus

Place: Klosters-Serneus, GR

Country: Switzerland

Protected Object(s):

Roads and residential area

Installed Systems:

6x Avalanche Tower LS12-5

1x Weather station

Year:

Installed in 2012

Photo credits: © Destination Davos Klosters

Gemeinde und Bergbahnen Leukerbad



Place: Leukerbad, VS

Country: Switzerland

Protected Object(s):

Ski resort, Road and Settlement area

Installed Systems:

WAC.3[®] operational software:
Cockpit, Explosives and NxD

Year:

Installed in 2024

Gemeinde Maishofen



Place: Maishofen
Country: Austria
Operator: Land Salzburg
(Stäßenmeisterei Pinzgau)

Protected Object(s):
Road

Installed Systems:
2x Avalanche Tower LS12-5
1x Signal horn

Year:
Installed in 2019

Photo credits: © Gemeinde Maishofen

Gemeinde Pontresina



Gemeinde Pontresina
Vschinauncha da Puntraschigna

Place: Pontresina, GR

Country: Switzerland

Protected Object(s):

Road and Settlement Area

Installed Systems:

10x Avalanche Tower LS12-5

3x LIA[®] Laser Scanner

2x Wind Station

2x Webcam

WAC.3[®] Cockpit

Year:

Projects since 2020

Gemeinde Prato-Leventina and Gemeinde Quinto



Place: Prato Leventina
and Quinto, TI

Country: Switzerland

Protected Object(s):

Road, Railway

Installed Systems:

3x Avalanche Tower LS12-5

1x IDA[®] Infrasound Detection System

WAC.3[®] operational software:
Cockpit and Assessment

Year:

Projects since 2015

Gemeinde Scuol



CUMÜN DA SCUOL

Place: Scuol, GR

Country: Switzerland

Protected Object(s):

Road

Installed Systems:

WAC.3[®] operational software:
Cockpit, Assessment

Year:

Installed in 2020 and 2021

Gemeinde Tschagguns



Place: Tschagguns, Vorarlberg

Country: Austria

Protected Object(s):

Road & Residential Area

Installed Systems:

WAC.3[®] operational software:
Cockpit Pro, Assessment, NxD

Year:

Installed in 2023

Photo credits: © Simon Vorhammer

Gemeinde Tujetsch



Place: Tujetsch, GR

Country: Switzerland

Protected Object(s):

Road, Railway

Installed Systems:

3x Avalanche Tower LS12-5

Year:

Installed in 2010

Photo credits: © Gemeinde Tujetsch

Gemeinde Vordernberg



Place: Vordernberg, Steiermark

Country: Austria

Protected Object(s):

Road & Ski Resort

Installed Systems:

1x Mini Tower LS6-5

1x GINA® Geophones in
Avalanches

Year:

Installed in 2026

Gemeinde Walenstadt



Place: Walenstadt, SG

Country: Switzerland

Protected Object(s):

Road, Residential area

Installed Systems:

7x Avalanche Tower LS12-5

WAC.3[®] operational software:

Cockpit, Communication,
Explosives

Year:

Projects since 2021

Gemeinde Zuoz



Place: Zuoz, GR

Country: Switzerland

Protected Object(s):

Road, Residential area

Installed Systems:

9x Avalanche Tower LS12-5

1x LIA® Laser Scanner

1x Wind station

1x Weather station

WAC.3® operational software

Cockpit, Assessment, Helicopter control, Communication

Year:

Installed in 2013, 2020 and 2021

Glacier 3000



GLACIER 3000

High level experience.

Place: Les Diablerets, VD

Country: Switzerland

Protected Object(s):

Road and Ski resort

Installed Systems:

2x Avalanche Towers LS12-5

WAC.3[®] operational software

Cockpit Pro, Explosives Pro,

Helicopter control, Piste

inspection

Year:

Projects since 2017

Photo credits: © Glacier 3000

KITZSTEINHORN

Gletscherbahn Kaprun AG



Place: Kaprun

Country: Austria

Protected Object(s):

Ski Resort

Installed Systems:

14x Avalanche Towers LS12-5

5x Mini Towers LS6-5

Year:

Projects since 2007

Photo credits: © GBK

Golm Silvretta Lünsersee Tourismus GmbH



Place: Golm, Vorarlberg

Country: Austria

Protected Object(s):

Ski Resort

Installed Systems:

7x Mini Tower LS6-5

WAC.3[®] operational software:
Cockpit Pro, Assessment,
Explosives, NxD, Accidents and
Piste inspection

Year:

Installed in 2023

Gondelbahn Kandersteg-Oeschinensee



Place: Kandersteg, BE

Country: Switzerland

Protected Object(s):

Ski Resort, Hiking Trail

Installed Systems:

1x Avalanche Tower LS12-5

Year:

Installed in 2012

Govern d'Andorra



Govern d'Andorra

Place: Ransol Valley

Country: Andorra

Protected Object(s):

Road

Installed Systems:

2x Avalanche Tower LS12-5

Year:

Projects since 2024

Grossglockner Hochalpenstrassen AG



Place: Grossglockner High
Alpine Road

Country: Austria

Protected Object(s):
Road

Installed Systems:
2x Avalanche Tower LS12-5
1x Weather station

Year:
Installed in 2024

Hinterstoder-Wurzeralm Bergbahnen AG

WURZERALM

Place: Wurzeralm

Country: Austria

Protected Object(s):
Ski Resort

Installed Systems:

2x Avalanche Tower LS12-5

4x Mini Tower LS6-5

1x Weather station

1x LIA® Laser Scanner

1x Signal horn

Year:

Installed in 2019 and 2023

illwerke vkw AG

illwerke vkw
Energie für Generationen.

Place: Schruns

Country: Austria

Protected Object(s):

Access Road

Installed Systems:

3x Avalanche Tower LS12-5

Year:

Installed in 2012

JUNGFRAU - TOP OF EUROPE

Jungfrau Ski Region



Place: Grindelwald, BE

Country: Switzerland

Protected Object(s):

Railway, Ski Resort, the famous int. Lauberhorn Race in Wengen

Installed Systems:

10x Avalanche Tower LS12-5

1x Avalanche Tower LS24-5

1x Avalanche Tower LS6-5

1x LIA® Laser Scanner

WAC.3® operational software:

Cockpit, Explosives, Helicopter control, Piste inspection, Accidents

Year:

Projects since 2002

Photo credits: © JUNGFRAU - TOP OF EUROPE

Kaunertaler Gletscherbahnen GmbH



Place: Kaunertal, Tyrol

Country: Austria

Protected Object(s):

Ski Resort & Access Road

Installed Systems:

24x Avalanche Tower LS12-5

6x Weather stations

Year:

Projects since 2021

*Photo credits: © TVB Tiroler Oberland Kaunertal,
Severin Wegener*

Kleinwalsertaler Bergbahn AG



Place: Riezlern
(Kanzelwand)

Country: Austria

Protected Object(s):
Ski Resort

Installed Systems:
4x Avalanche Tower LS12-5

Year:
Installed in 2019 and 2021

*Photo credits: © Oberstdorf Kleinwalsertal
Bergbahn AG*

Klosters-Madrisa Bergbahnen AG



MADRISA
GENIESSE DEN MOMENT

Place: Klosters, GR

Country: Switzerland

Protected Object(s):

Ski Resort

Installed Systems:

1x Avalanche Tower LS12-5

WAC.3® operational software:
Cockpit, Assessment, Explosives,
Helicopter control, Piste inspection
and integration of external
avalanche systems

Year:

Projects since 2022

Photo credits: © Klosters-Madrisa Bergbahnen AG

KSM Mining ULC

KSM MINING ULC
A SUBSIDIARY OF SEABRIDGE GOLD INC.

Place: KSM Project, BC

Country: Canada

Monitored Object(s):

Remote Valley

Installed Systems:

2x IDA® Infrasonnd Detection
System

2x monitoring cameras

Communication:

fully remote satellite
communication

Year:

Installed in 2021 and 2023

Lauchernalp Bergbahnen



Lauchernalp
LÖTSCHENTAL

Place: Lauchernalp, VS

Country: Switzerland

Protected Object(s):

Road and winter hiking trail

Installed Systems:

3x Avalanche Towers LS24-5

WAC.3® operational software:

Cockpit, Assessment,

Explosives, Piste inspection

Year:

Projects since 2023

Lenzerheide Bergbahnen AG



Place: Lenzerheide, GR

Country: Switzerland

Protected Object(s):

Ski Resort

Installed Systems:

9x Avalanche Tower LS12-5

4x Bomb tramway

WAC.3® Cockpit

Year:

Projects since 2003

Lötschental, VS



Place: Lötschental, VS
(Communities Blatten, Wiler,
Kippel, Ferden)

Country: Switzerland

Protected Object(s):
Road, Residential area

Installed Systems:
1x IDA® Infrason Detection
System
2x GINA® Geophones in
Avalanches
WAC.3® Cockpit

Year:
Installed in 2021

Marktgemeinde Rauris



LAND
SALZBURG

Place: Rauris
Country: Austria
Operator: Land Salzburg
(Strassenmeisterei Pinzgau)

Protected Object(s):
Road

Installed Systems:
1x Avalanche Tower LS12-5
1x Signal horn

Year:
Installed in 2019

Matterhorn Gotthard Bahn Oberalppass



Place: Oberalppass, GR-UR

Country: Switzerland

Protected Object(s):
Railway

Installed Systems:

4x Avalanche Tower LS12-5

1x LIA[®] Laser Scanner

WAC.3[®] operational software:
Cockpit and Assessment

Year:

Projects since 2021

Mattertal, VS



Place: Mattertal, VS
(Community Randa,
Täsch, St. Niklaus)

Country: Switzerland

Protected Object(s):
Road, Railway, Residential area

Installed Systems:
16x Avalanche Tower LS12-5
1x IDA® Infrasonnd Detection system
2x LIA® Laser Scanner
WAC.3® operational software:
Cockpit, Assessment, Helicopter
control

Year:
Projects since 2004

Ministry of Transportation and Transit, BC



Place: Trans-Canada Highway,
Rocky Mountain District

Country: Canada

Protected Object(s):
Road, Buildings

Installed Systems:
13x Avalanche Tower LS12-5

Communication:
Mobile network communication,
backup radio

Year:
Projects since 2016

Newmont Corporation

An aerial photograph showing a rugged mountain landscape. A road or railway line runs diagonally across the lower half of the image. In the background, a lake is visible between mountain ranges, and snow-capped peaks rise in the distance under a clear sky.

Place: Brucejack mine

Country: Canada

Protected Object(s):

Road

Installed Systems:

12x Avalanche Tower LS12-5

Communication:

Permanent radio linked internet connection

Backup: Direct radio, satellite.

Year:

Installed in 2019



NVRM



Place: Nendaz, Veysonnaz,
Siviez, Mt-Fort, VS

Country: Switzerland

Protected Object(s):

Ski resort

Installed Systems:

WAC.3[®] operational software:
Cockpit, Explosives, Helicopter
control, Piste inspection,
Accidents

Year:

Projects since 2023

Ordina Arcalís - Grandvalira Resorts



Place: Ordino

Country: Andorra

Protected Object(s):

Ski resort

Installed Systems:

2x Avalanche Tower LS12

Year:

Projects since 2022



Parks Canada

Place: Glacier National Park
Country: Canada

Protected Object(s):
Road, Railway

Installed Systems:

5x Avalanche Tower LS12-5

1x LIA[®] Laser Scanner

1x Weather Station

13x IDA[®]

4x LARA[®]

WAC.3[®] operational software:
Cockpit, Assessment

Communication:

Towers: Mobile network, backup
direct radio

Detection systems: mobile
network

Year:

Projects since 2017

Parks Canada



Place: Yoho National Park

Country: Canada

Protected Object(s):

Road, Railway

Installed Systems:

3x Avalanche Tower LS12-5

Communication:

Mobile network

Backup: Direct radio and tower to tower radio links

Year:

Installed in 2019 and 2020

Pitztaler Gletscherbahn GmbH & CO KG

 **PITZTAL**
**GLETSCHER
RIFFLSEE**

Place: St. Leonhard im Pitztal

Country: Austria

Protected Object(s):

Ski Resort

Installed Systems:

4x Avalanche Towers LS12-5

1x Mini Tower LS6-5

1x Weather Station

WAC.3® operational software:

Explosives

Year:

Projects since 2002

Pizolbahnen AG



Place: Bad Ragaz, SG

Country: Switzerland

Protected Object(s):

Ski resort

Installed Systems:

WAC.3[®] operational software:
Cockpit, Assessment,
Helicopter control, Piste
inspection

Year:

Installed in 2024

Photo credits: © Pizolbahnen AG

Pro Lucmagn



Place: Lukmanierpass,
GR-TI

Country: Switzerland

Protected Object(s):
Road

Installed Systems:

2x Avalanche Tower LS12-5

WAC.3[®] operational Software:
Cockpit, Assessment, Helicopter
control

Year:
Projects since 2021

Rhätische Bahn RhB



Place: Val Bever, Sassal
Masone (Bernina pass),
Muot, Bergün Filisur GR

Country: Switzerland

Protected Object(s):
Railway

Installed Systems:

10x Avalanche Tower LS12-5
1x LIA[®] Laser Scanner
WAC.3[®] operational Software:
Cockpit, Assessment

Year:
Projects since 2014

RSD Fully



Place: Commune de Fully, VS

Country: Switzerland

Protected Object(s):
Road and settlement area

Installed Systems:
WAC.3[®] operational Software:
Cockpit and Assessment
Safety Concept from  **geoformer**
INGENIEUR, GEOLOGEN, PLANER

Year:
Installed in 2022

Photo credits: © Cheseaux Gaylord

Saastal Bergbahnen AG und Gemeinde Saas-Fee



Place: Saas-Fee, VS

Country: Switzerland

Protected Object(s):

Ski Resort, Residential area

Installed Systems:

8x Avalanche Tower LS12-5

1x Bomb Tramway

WAC.3[®] operational software:
Cockpit, Assessment, Explosives,
Helicopter control, Piste
inspection, Accidents

Year:

Projects since 1994

Schilthornbahn AG



Place: Mürren, BE

Country: Switzerland

Protected Object(s):

Ski Resort

Installed Systems:

6x Avalanche Tower LS12-5

2x Bomb tramway

WAC.3® operational software:
Cockpit, Explosives, Helicopter
control, Accidents, Piste inspection

Year:

Projects since 1992

Photo credits: © Schilthornbahn AG

Schweizerische Bundesbahnen SBB



Place: Gotthard Nord UR,
Solco TI

Country: Switzerland

Protected Object(s):

Railway

Installed Systems:

2x GINA® Geophones in
Avalanches

WAC.3® operational software:
Cockpit, Assessment, Explosives

Year:

Projects since 2024

Photo credits: © SBB CFF FFS

Seilbahn Komperdell GmbH (Serfaus-Fiss-Ladis)



Place: Serfaus, Tyrol

Country: Austria

Protected Object(s):

Ski Resort

Installed Systems:

14x Avalanche Towers LS12-5

3x Mini Tower LS6-5

Year:

Various installations from
2011-2017

Photo credits: © Andreas Kirschner

Silvrettaseilbahn AG, Ischgl



Place: Ischgl, Tyrol
Country: Austria

Protected Object(s):
Ski Resort

Installed Systems:

83x Avalanche Tower LS12-5

1x Weather station

3x Temperature sensors

WAC.3[®] operational Software:
Cockpit Pro, Assessment Pro,
Explosives, Helicopter control, Piste
inspection, Accidents, Snowprofiler

Year:

Projects since 2009

Skiliftgesellschaft Hochfügen GmbH

HOCHFÜGEN
ZILLERTAL

Place: Fügen, Tyrol

Country: Austria

Protected Object(s):

Ski Resort

Installed Systems:

1x Avalanche Tower LS12-5

Year:

Installed in 2015

Skiliftgesellschaft links der Breitach GmbH & CO KG, Ifen



Place: Riezlern

Country: Austria

Protected Object(s):

Ski Resort

Installed Systems:

1x Avalanche Tower LS12-5

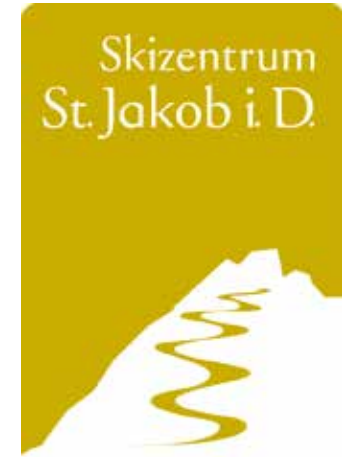
2x Mini Tower LS6-5

Year:

Installed in 2016 and 2019

*Photo credits: © Oberstdorf Kleinwalsertal
Bergbahn*

Skizentrum St. Jakob i.D. GmbH & Co KG



Place: St. Jakob i.D.

Country: Austria

Protected Object(s):

Ski Resort

Installed Systems:

1x Mini Tower LS6-5

Year:

Installed in 2023

Photo credits: © Skizentrum St. Jakob i.D. GmbH & Co KG

Snowbird



Place: Snowbird, LCC Utah

Country: USA

Protected Object(s):

Ski Resort

Installed Systems:

21x Avalanche Tower LS12-5

Year:

Projects since 2021

Photo credits: © Chris Bremer, Snowbird, Utah

Solitude Mountain Resort



Place: Solitude, BCC Utah

Country: USA

Protected Object(s):

Ski Area

Installed Systems:

8x Avalanche Tower LS12-5

WAC.3® operational software:

Cockpit, Assessment Pro

Year:

Projects since 2022

Photo credits: © Solitude Mountain Resort

Sportbahnen Melchsee-Frutt



Place: Kerns, OW

Country: Switzerland

Protected Object(s):

Ski Resort

Installed Systems:

3x Avalanche Tower LS12-5

2x Mini Towers LS6-5

WAC.3[®] operational software:

Cockpit , Explosives, Piste
inspection, Accidents

Year:

Projects since 2017

Photo credits: © Sportbahnen Melchsee-Frutt

Stadtgemeinde Eisenerz



Place: Eisenerz, Styria

Country: Austria

Protected Object(s):

Road

Installed Systems:

3x Avalanche Tower LS12-5

WAC.3[®] Cockpit

Year:

Installed in 2024

Photo credits: © Stadtgemeinde Eisenerz

Stadtgemeinde Saalfelden



Place: Saalfelden
Country: Austria
Operator: Land Salzburg
(Stäßenmeistererei Pinzgau)

Protected Object(s):
Road

Installed Systems:
5x Avalanche Towers LS12-5
1x LIA® Laser Scanner

Year:
Installed in 2023

Photo credits: © Stadtgemeinde Saalfelden

Stubai Bergbahnen



Place: Neustift, Tyrol

Country: Austria

Protected Object(s):

Ski Resort

Installed Systems:

7x Avalanche Tower LS12-5

WAC.3® operational Software:

Helicopter control

Year:

Installed in 2002 and 2013

Sun Peaks



Place: Sun Peaks, BC

Country: Canada

Protected Object(s):

Ski resort

Installed Systems:

WAC.3[®] Cockpit

Year:

Installed in 2024

Photo credits: © Sun Peaks Resort/ Reuben Krabbe

Télé Marécottes S.A. et Commune de Salvan



TÉLÉ MARÉCOTTES
vallée du trient

Place: Les Marécottes, VS

Country: Switzerland

Protected Object(s):

Residential Area, Ski Resort

Installed Systems:

4x Avalanche Tower LS12-5

Year:

Various installations from
2004 - 2021

Photo credits: © Nicolas Falquet

Téléovronnaz SA



Place: Ovronnaz, VS

Country: Switzerland

Protected Object(s):

Ski Resort

Installed Systems:

10x Avalanche Tower LS12-5

1x Avalanche Tower LS24-5

WAC.3® operational Software:
Cockpit, Explosives

Year:

Various installations from
2001-2018

Téléverbier SA



Place: Verbier, VS

Country: Switzerland

Protected Object(s):
Ski Resort

Installed Systems:

2x Avalanche Towers LS24-5
WAC.3® operational Software:
Cockpit Pro, Explosives, Piste
inspection, Helicopter control,
Accidents

Year:

Projects since 2024

Tiefbauamt Kanton Bern



Place: Guttannen, BE

Country: Switzerland

Protected Object(s):

Road

Installed Systems:

1x IDA® Infrasonnd Detection System

WAC.3® operational software:

Cockpit and Assessment

Year:

Installed in 2018

Remark:

Operated by the Community of Guttannen from 2018-2021

Tiefbauamt Kanton Graubünden



Place: Bernina & Maloja pass -
Sils, Gonda, Val Funtana,
Samnaun & Zernez Street, GR

District: 3 Samedan, 4 Scuol,
6 Ilanz

Country: Switzerland

Protected Object(s):
Road, Settlement area

Installed Systems:

4x Avalanche Tower LS24-5
30x Avalanche Tower LS12-5
5x LIA® Laser Scanner
4x Webcams

WAC.3® operational software:
Cockpit, Assessment, Explosives

Year:
Projects since 2001

TITLIS Bergbahnen



Place: Engelberg, OW

Country: Switzerland

Protected Object(s):

Ski Resort

Installed Systems:

8x Avalanche Tower LS12-5

3x Mini Tower LS6-5

1x Bomb Tramway

WAC.3® operational software:

Cockpit, Assessment, Explosives, Piste inspection, Accidents, Helicopter control

Year:

Projects since 1987

Remark:

Cockpit and Piste inspection are also in use in the summer (to ensure bike trails)

Photo credits: © TITLIS Bergbahnen

TIWAG

Tiroler Wasserkraft AG



TIWAG

Place: Kühtai, Tyrol

Country: Austria

Protected Object(s):

Access Road

Installed Systems:

23x Avalanche Tower LS12-5

2x Weather station

5x Signal horn

Year:

Various installations from
2019 - 2021

Utah Department of Transportation, UDOT



Place: Alta, UT
Country: USA

Protected Object(s):
Road and town

Installed Systems:
29x Avalanche Tower LS12-5
2x LIA® Laser Scanner
1x Weather Station

Year:
Various installations from 2017 -
2024

Photo credits: © UDOT's LCC Avalanche Team

Val de Bagnes



COMMUNE DE
VAL DE BAGNES

Place: Val de Bagnes, VS

Country: Switzerland

Protected Object(s):

Settlement area (Verbier)

Installed Systems:

3x Avalanche Towers LS12-5

1x LIA[®] Laser Scanner

Year:

Installed in 2025

Vallée du Trient



VALLÉE DU TRIENT
espace mont-blanc

Place: Vallée du Trient, VS

Country: Switzerland

Protected Object(s):

Road, Cross-Country Circuit,
Hiking Trail

Installed Systems:

WAC.3[®] operational Software:
Cockpit and Assessment

Safety Concept from  **geoformer**
INGENIEUR, GÉOLOGES, PLANISTES
in collaboration with Jean-Luc Lugon

Year:

Installed in 2019

Photo credits: © Vallée du Trient

Washington DOT



Place: Snoqualmie Pass, WA

Country: USA

Protected Object(s):

Road (Interstate 90)

Installed Systems:

6x Avalanche Towers LS12-5

Year:

Installed in 2025

Weisse Arena Bergbahnen AG

WEISSE ARENA GRUPPE

Place: Laax, GR

Country: Switzerland

Protected Object(s):

Ski Resort

Installed Systems:

5x Avalanche Tower LS12-5

1x Mini-Tower LS6-5

Year:

Projects since 2021

Photo credits: © LAAX / Danuser Gaudenz

Weißsee Gletscherwelt



Place: Uttendorf

Country: Austria

Protected Object(s):

Ski Resort

Installed Systems:

1x Avalanche Tower LS12-5

Year:

Installed in 2010

Zauchensee Liftgesellschaft Benedikt Scheffer GmbH



Place: Zauchensee

Country: Austria

Protected Object(s):

Access Road

Installed Systems:

1x Avalanche Tower LS12-5

1x Signal horn

1x LIA® Laser Scanner

Year:

Installed in 2019

zb Zentralbahn AG



Place: Brienergrat, BE

Country: Switzerland

Protected Object(s):

Railway, Road, Residential Area

Installed Systems:

WAC.3[®] operational Software:

Cockpit and 2x Assessment

Integration of external avalanche
detection systems

Year: Installed in 2021

Remark:

in collaboration with the
community of Brienz &
department of transportation
canton bern

Zermatt Bergbahnen AG



Place: Zermatt, VS

Country: Switzerland

Protected Object(s):

Railway, Ski Resort

Installed Systems:

55x Avalanche Tower LS12-5

1x Avalanche Tower LS24-5

1x PETRA® People Tracking
Radar

1x LIA® Laser Scanner

WAC.3® operational software:
Cockpit, Explosives, Helicopter
control

Year: Projects since 2004

Photo credits: © Christian Pfammatter

Safety through innovation



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