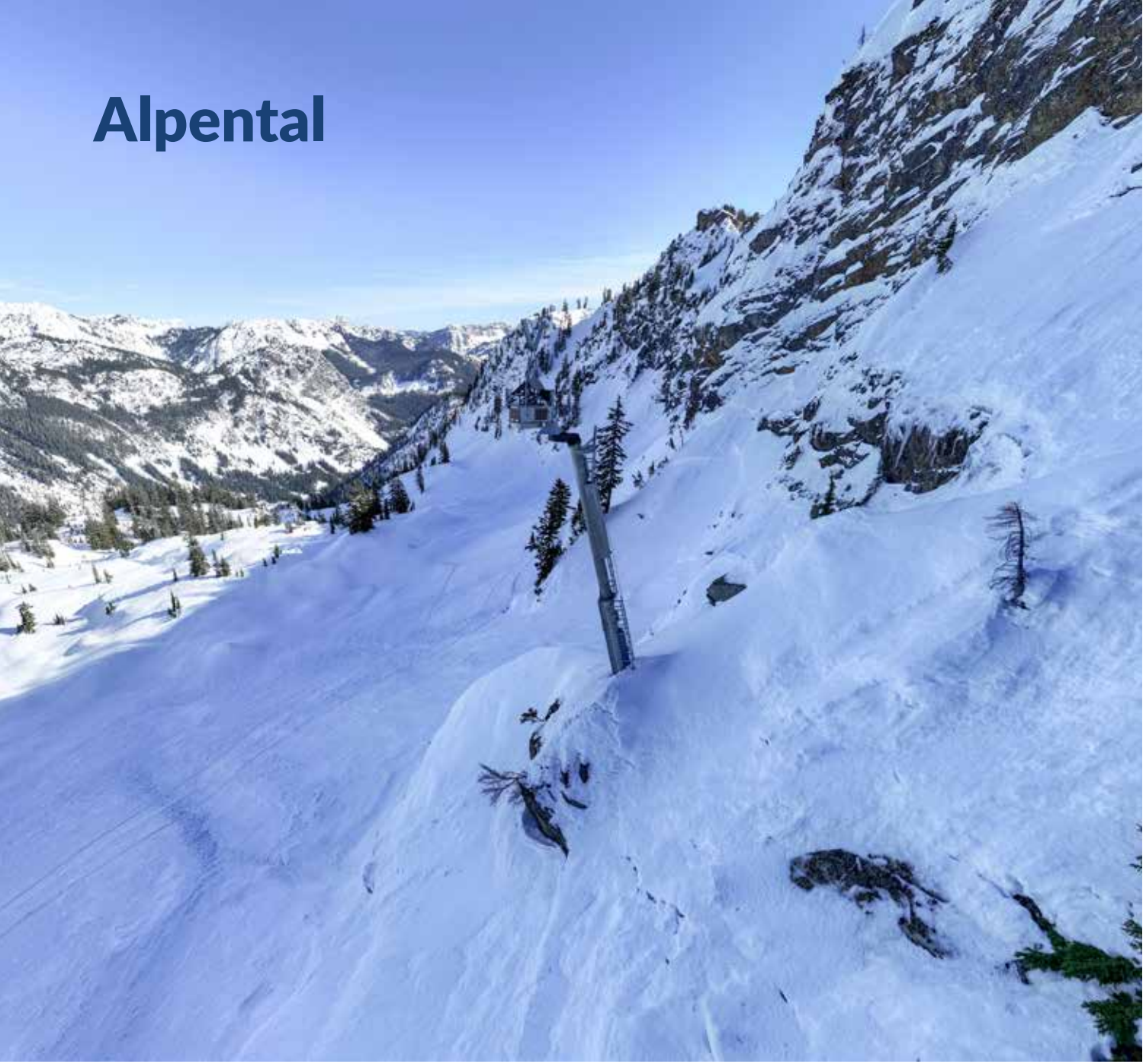
References

Wyssen Avalanche Control AG

Safety through **innovation**

wyssen switzerland avalanche control

Alpental



Place: Alpental, WA
Country: USA

Protected Object(s):
Ski resort

Installed Systems:
2x Avalanche Tower LS12-5

Year:
Installed in 2024

Photo credits: © Alpental

wyssen switzerland avalanche control

Alta Ski Area

Place: Alta, Utah
Country: USA

Protected Object(s):
Ski Resort

Installed Systems:
14x Avalanche Tower LS12-5

Year:
Installation 2021 - 2023

Future:
5 more towers are planned for 2025!

wyssen switzerland avalanche control

Andermatt-Sedrun Sport AG

SkiArena
ANDERMATT SEDRUN

Place: Andermatt, UR
Country: Switzerland

Protected Object(s):
Ski Resort

Installed Systems:
14x Avalanche Tower LS12-5

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

Year:
Installation since 2003

Photo credits: © Andermatt-Sedrun Sport AG

wyssen switzerland avalanche control

Anglo American
División Los Bronces

ANGLO AMERICAN

Place: Los Bronces
Country: Chile

Protected Object(s):
Copper Open Pit Mine

Installed Systems:
43x Avalanche Tower LS12-5
7x GINA® Geophones in Avalanches
11x LIA® Laser Scanner

Construction:
Construction installation of all Wyssen RACS in high altitude

Year: Installation since 2018

wyssen switzerland avalanche control

ASFINAG

Place: Flachauwinkl, Salzburg

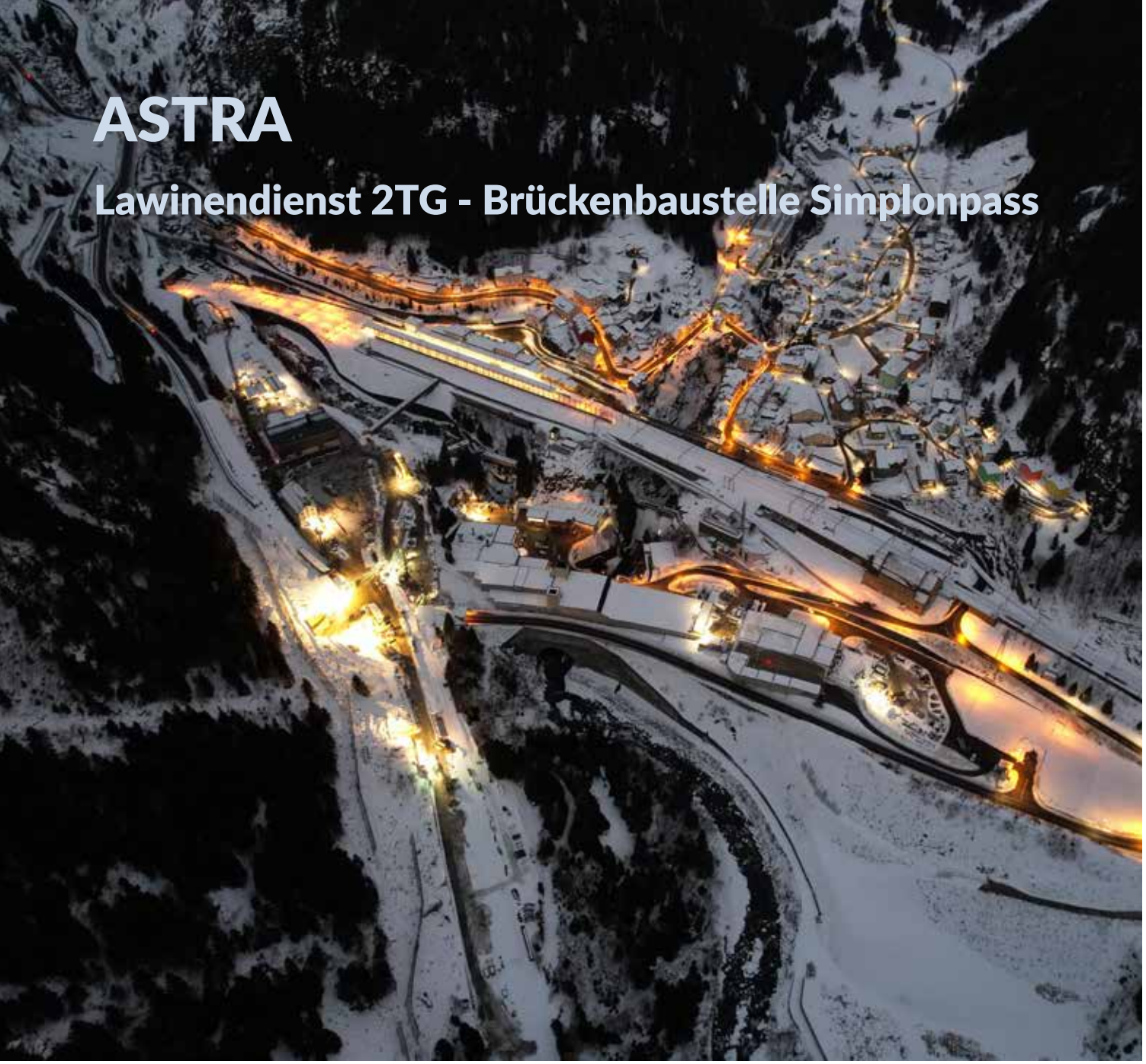
Country: Austria

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

wyssen switzerland avalanche control



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® Infrasound Detection System
WAC.3® operational Software:
Cockpit and Assessment
Safety Concept from geoformer

Year:
Installed in 2021 and 2022

Photo credits: © Andrea Dotta

wyssen switzerland avalanche control

Arosa Bergbahnen AG

Arosa Lenzerheide

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

wyssen switzerland avalanche control

Avers Skibetriebs AG

Avers
echt hoch gelegen. Viamala

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

wyssen switzerland avalanche control

Berg- & Skilift Hochsöll GmbH & Co. KG

SkiWelt
WILDER KAISER BRIXENTAL
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

wyssen switzerland avalanche control

Bergbahn AG Kitzbühel

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

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

wyssen switzerland avalanche control

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

Year:
Installed in 2000 and 2015

Remark:
The very first Avalanche Tower installed worldwide!

wyssen switzerland avalanche control

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

wyssen switzerland avalanche control

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

wyssen switzerland avalanche control

Bergbahnen Meiringen-Hasliberg AG

Bergbahnen
Meiringen-Hasliberg

Haslital
BERNER OBERLAND

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

wyssen switzerland avalanche control

Bergbahnen Obertauern GmbH

Place: Obertauern
Country: Austria

Protected Object(s):
Ski Resort

Installed Systems:
8x Avalanche Tower LS12-5
3x Signal horn

Year:
Installed in 2012 and 2013

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, Assessment,
Piste inspection

Year:
Installation since 2001

Bergbahnen See Ges.m.b.H.

BERGBAHNEN SEE

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

wyssen switzerland avalanche control

Bergbahnen Silvretta Galtür GmbH & CO Kg

Place: Galtür, Tyrol
Country: Austria

Protected Object(s):
Ski Resort

Installed Systems:
4x Avalanche Tower LS12-5

Year:
Installed in 2009, 2011, 2016

Photo credits: © Bergbahnen Silvretta Galtür GmbH & Co Kg

Bergbahnen Sörenberg AG

SÖRENBERG BERGBAHNEN
ENTLEBUCH LUZERN

Place: Sörenberg, LU
Country: Switzerland

Protected Object(s):
Ski resort

Installed Systems:
WAC.3® operational software:
Cockpit, Explosives

Year:
Installed in 2024

wyssen switzerland avalanche control

Bergbahnen Wildhaus AG

WILDHAUS

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

wyssen switzerland avalanche control

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

wyssen switzerland avalanche control

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

wyssen switzerland avalanche control

Codelco Andina

Place: Los Andes, V Región
Country: Chile

Protected Object(s):
Copper Open Pit Mine

Installed Systems:
53x Avalanche Tower LS12-5
5x SARA®, 10x GINA®, 4xLIA®

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

Construction:
Construction installation of 33x Wyssen RACS in high altitude

Services:
Winter operation in Andina Mine 2018-2030

Year: Installed in 2018-2024

wyssen switzerland avalanche control

Colorado Department of Transportation, CDOT

COLORADO
Department of Transportation

Place: Lizard Head Pass, CO
Country: USA

Protected Object(s):
Highway 145

Installed Systems:
5x Avalanche Tower LS12-5

Year:
Installed in 2020

Future:
3 more Towers are planned for 2025 and 10 additional in 2026!

Photo credits: © Roz Reynolds

wyssen switzerland avalanche control

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)

wyssen switzerland avalanche control

Comune di Acquarossa

nara
VALLE DI BLENIO

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: Installation since 2021

Photo credits:
© Belinzona e Valli Turismo Luca Crivelli

wyssen switzerland avalanche control

Davos Klosters Mountains

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: Installation since 1974

Remark:
The very first installed bomb tramway in 1974

wyssen switzerland avalanche control

Diavolezza

Diavolezza 2978
Corvatsch Lagalb

Place: Pontresina, GR
Country: Switzerland

Protected Object(s):
Ski Resort

Installed Systems:
1x Avalanche Tower LS12-5

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

Year:
Installed since 2003

wyssen switzerland avalanche control

Engadin St. Moritz Mountains

St. Moritz ENGADIN MOUNTAINS

Place: St. Moritz, GR
Country: Switzerland

Protected Object(s):
Ski Resort

Installed Systems:
5x Avalanche Tower LS12-5
2x Bomb Tramway

WAC.3® operational software:
Cockpit, Helicopter control

Year:
Installed in 2008, 2018, 2021

wyssen switzerland avalanche control

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® Cockpit

Year:
Installed in 2016 - 2020

Photo credits: © Fisser Bergbahnen GmbH

Fügen Bergbahnen Ges.m.b.H & Co KG

spieljochbahn.at
ZILLERTAL
Spieljoch BAHN
FÜGEN

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

wyssen switzerland avalanche control

Gargellner Bergbahnen GmbH & Co KG

Place: Gargellen, Vorarlberg
Country: Austria

Protected Object(s):
Ski Resort

Installed Systems:

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

Year:
Installed in 2023

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

Gasteiner Bergbahnen

www.skigastein.com

GASTEINER Bergbahnen AG

Ski amadé

Place: Gasteiner Valley

Country: Austria

Protected Object(s):
Ski Resort

Installed Systems:
6x Avalanche Tower LS12-5

Year:
Installed in 2006, 2007, 2008, 2012

wyssen switzerland avalanche control

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

Rhätische Bahn

wyssen switzerland avalanche control

Gemeinde Davos

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, 2019

wyssen switzerland avalanche control

Gemeinde Disentis

VISCHNAUNCA
DISENTIS | MUSTÉR

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

wyssen switzerland avalanche control

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:
Installed in 2008 - 2009, 2015 - 2020

Photo credits: © RSD Goms

wyssen switzerland avalanche control

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

wyssen switzerland avalanche control

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

wyssen switzerland avalanche control

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

wyssen switzerland avalanche control

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

wyssen switzerland avalanche control

Gemeinde und Bergbahnen Leukerbad

LEUKERBAD
GEMEINDE

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

wyssen switzerland avalanche control

Gemeinde Maishofen

MAISHOFEN
- DIE GEMEINDE -

LAND SALZBURG

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

Protected Object(s):
Road

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

Year:
Installed in 2019

Photo credits: © Gemeinde Maishofen

wyssen switzerland avalanche control

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:
Installation since 2020

wyssen switzerland avalanche control

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:

Installation since 2015

wyssen switzerland avalanche control

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

wyssen switzerland avalanche control

Gemeinde Tschagguns

Place: Tschagguns, Vorarlberg
Country: Austria

Protected Object(s):
Road & Residential Area

Installed Systems:

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

Year:
Installed in 2023

Photo credits: © Simon Vorhammer

wyssen switzerland avalanche control

Gemeinde Tujetsch

sedrun 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

wyssen switzerland avalanche control

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:
Installations since 2021

wyssen switzerland avalanche control

Gemeinde Zuoz

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, 2021

wyssen switzerland avalanche control

Glacier 3000

GLACIER 3000
High level experience.

Place: Les Diablerets, VD
Country: Switzerland

Protected Object(s):
Road

Installed Systems:
2x Avalanche Tower LS12-5

Year:
Installed in 2017

Photo credits: © Glacier 3000

wyssen switzerland avalanche control

KITZSTEINHORN
Gletscherbahn Kaprun AG

KITZSTEINHORN
ZELL AM SEE · KAPRUN

Place: Kaprun
Country: Austria

Protected Object(s):
Ski Resort

Installed Systems:
14x Avalanche Tower LS12-5
5x Mini Tower LS6-5

Year:
Installation since 2007

Photo credits: © GBK

wyssen switzerland avalanche control

Golm Silvretta Lünersee Tourismus GmbH

Place: Golm, Vorarlberg
Country: Austria

Protected Object(s):
Ski Resort

Installed Systems:
7x Mini Tower LS6-5

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

Year:
Installed in 2023

wyssen switzerland avalanche control

Gondelbahn Kandersteg-Oeschinensee

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

wyssen switzerland avalanche control

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

wyssen switzerland avalanche control

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

wyssen switzerland avalanche control

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

wyssen switzerland avalanche control

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:
Installation since 2002

Photo credits: © JUNGFRAU - TOP OF EUROPE

Kaunertaler Gletscherbahnen GmbH

KAUNERTAL

Place: Kaunertal, Tyrol
Country: Austria

Protected Object(s):
Ski Resort

Installed Systems:
24x Avalanche Tower LS12-5
6x Weather stations

Year:
Installed in 2021 and 2022

Photo credits: © TVB Tiroler Oberland Kaunertal, Severin Wegener

wyssen switzerland avalanche control

Kleinwalsertaler Bergbahn AG

OBERSTDORF
KLEINWALSERTAL
Bergbahnen

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

wyssen switzerland avalanche control

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:
Installation since 2022

Photo credits: © Klosters-Madrisa Bergbahnen AG

wyssen switzerland avalanche control

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® Infrasound Detection System

2x monitoring cameras

Comunication:
fully remote satellite communicaiton

Year:
Installed in 2021 and 2023

wyssen switzerland avalanche control

Lauchernalp Bergbahnen

Lauchernalp
LÖTSCHENTAL

Place: Lauchernalp, VS
Country: Switzerland

Protected Object(s):
Road and winter hiking trail

Installed Systems:
1x Avalanche Tower LS24-5
WAC.3® operational software:
Cockpit, Assessment,
Explosives, Piste inspection

Year:
Installation since 2023

wyssen switzerland avalanche control

Lenzerheide Bergbahnen AG

Arosa Lenzerheide

Lässt Herzen höher schlagen.

Place: Lenzerheide, GR
Country: Switzerland

Protected Object(s):
Ski Resort

Installed Systems:
4x Avalanche Tower LS12-5
4x Bomb tramway
WAC.3® Cockpit

Year:
Installation since 2003

wyssen switzerland avalanche control

Lötschental, VS

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

Country: Switzerland

Protected Object(s):
Road, Residential area

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

Year:
Installed in 2021

wyssen switzerland avalanche control

Marktgemeinde Rauris

LAND SALZBURG

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

Protected Object(s):
Road

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

Year:
Installed in 2019

wyssen switzerland avalanche control

Matterhorn Gotthard Bahn
Oberalppass

matterhorn gotthard bahn

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:
Installation since 2021

wyssen switzerland avalanche control

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® Infrasound Detection system
2x LIA® Laser Scanner

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

Year:
Installation since 2004

wyssen switzerland avalanche control

Ministry of Transportation and Infrastructure MoTI, BC

BRITISH COLUMBIA | Ministry of Transportation and Infrastructure

Place: Trans-Canada Highway, Rocky Mountain District

Country: Canada

Protected Object(s):
Road, Buildings

Installed Systems:
13x Avalanche Tower LS12-5

Communication:
Mobile network communicaiton, backup radio

Year:
Installed in 2016-2018 and 2024

wyssen switzerland avalanche control

Newmont Corporation

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

wyssen switzerland avalanche control

NENDAZ VEYSONNAZ
REMONTÉES MÉCANIQUES

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

Country: Switzerland

Protected Object(s):

Ski resort

Installed Systems:

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

Year:

Installation since 2023

wyssen switzerland avalanche control

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:
Installed in 2017-2020, 2024

wyssen switzerland avalanche control

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 - 2020

wyssen switzerland avalanche control

Pitztaler Gletscherbahn GmbH & CO KG

PITZTAL
GLETSCHER
RIFFLSEE

Place: St. Leonhard im Pitztal
Country: Austria

Protected Object(s):
Ski Resort

Installed Systems:
3x Avalanche Tower LS12-5
1x Mini Tower LS6-5
1x Weather Station

Year:
Installed in 2002 and 2021

wyssen switzerland avalanche control

Pizolbahnen AG

pizol
Bad Ragaz – Wangs

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

wyssen switzerland avalanche control

Pro Lucmagn

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:
Installations since 2021

wyssen switzerland avalanche control

Rhätische Bahn RhB

Rhätische Bahn

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:
Installation since 2014

wyssen switzerland avalanche control

RSD Fully

COMMUNE DE 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

Year:
Installed in 2022

Photo credits: © Cheseaux Gaylord

wyssen switzerland avalanche control

Saastal Bergbahnen AG und Gemeinde Saas-Fee

Saas·Fee
Saastal

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

Year:
Installation since 1994

wyssen switzerland avalanche control

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:
Installation since 1992

Photo credits: © Schilthornbahn AG

Schweizerische Bundesbahnen SBB

SBB CFF FFS

Place: Gotthard Nord UR, Solco TI

Country: Switzerland

Protected Object(s):
Railway

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

Year:
Installed in 2024

Photo credits: © SBB CFF FFS

wyssen switzerland avalanche control

Seilbahn Komperdell GmbH (Serfaus-Fiss-Ladis)

Serfaus · Fiss · Ladis ®

Place: Serfaus, Tyrol
Country: Austria

Protected Object(s):
Ski Resort

Installed Systems:
8x Avalanche Tower LS12-5
3x Mini Tower LS6-5

Year:
Installed in 2011-2017

Photo credits: © Andreas Kirschner

wyssen switzerland avalanche control

Silvrettaseilbahn AG, Ischgl

ISCHGL.com
Relax. If you can ...

Place: Ischgl, Tyrol
Country: Austria

Protected Object(s):
Ski Resort

Installed Systems:
81x Avalanche Tower LS12-5
1x Weather station
3x Temperature sensors
WAC.3® operational Software: Cockpit, Assessment, Explosives and Helicopter control

Year:
Installation since 2009

wyssen switzerland avalanche control

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

wyssen switzerland avalanche control

Skiliftgesellschaft links der Breitach GmbH & CO KG, Ifen

OBERSTDORF
KLEINWALSERTAL
Bergbahnen

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

wyssen switzerland avalanche control

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:
17x Avalanche Tower LS12-5

Year:
Installation 2021 - 2023

Future:
6 more Towers are planned for 2025!

Photo credits: © Chris Bremer, Snowbird, Utah

Solitude Mountain Resort

Place: Solitude, BCC Utah
Country: USA

Protected Object(s):
Ski Area

Installed Systems:
4x Avalanche Tower LS12-5

Year:
Installation 2022 - 2023

Future:
4 more Towers are planned for 2025 and 3 more Towers for 2026!

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:
Installed since 2017

Photo credits: © Sportbahnen Melchsee-Frutt

Stadtgemeinde Saalfelden

SAALFELDEN
AM STEINERNEN MEER

LAND SALZBURG

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

Protected Object(s):
Road

Installed Systems:
3x Avalanche Tower LS12-5
1x LIA® Laser Scanner

Year:
Installed in 2023

Photo credits: © Stadtgemeinde Saalfelden

wyssen switzerland avalanche control

Stubaier Bergbahnen

STUBAIER GLETSCHER
KÖNIGREICH DES SCHNEES

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

wyssen switzerland avalanche control

Sun Peaks

Place: Sun Peaks, BC
Country: Canada

Protected Object(s):
Ski resort

Installed Systems:
WAC.3® operational software:
Cockpit, Assessment

Year:
Installed in 2024

Photo credits: © Sun Peaks Resort/ Reuben Krabbe

wyssen switzerland avalanche control

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:
Installed in 2004 - 2021

Photo credits: © Nicolas Falquet

wyssen switzerland avalanche control

Téléovronnaz SA

OVRONNAZ

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, Helicopter control

Year:
Installed in 2001-2018

wyssen switzerland avalanche control

Tiefbauamt Kanton Bern

Place: Guttannen, BE
Country: Switzerland

Protected Object(s):
Road

Installed Systems:
1x IDA® Infrasound Detection System

WAC.3® operational software:
Cockpit and Assessment

Year:
Installed in 2018

Remark:
Operated by the Community
of Guttannen from 2018-2021

wyssen switzerland avalanche control

Tiefbauamt Kanton Graubünden

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:
Installation since 2001

wyssen switzerland avalanche control

TITLIS Bergbahnen

TITLIS
ENGELBERG

Place: Engelberg, OW
Country: Switzerland

Protected Object(s):
Ski Resort

Installed Systems:
4x Avalanche Tower LS12-5
2x Mini Tower LS6-5
1x Bomb Tramway

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

Year:

Installation since 1987

Photo credits: © TITLIS Bergbahnen

wyssen switzerland avalanche control

TIWAG
Tiroler Wasserkraft AG

Place: Kühtai, Tyrol

Country: Austria

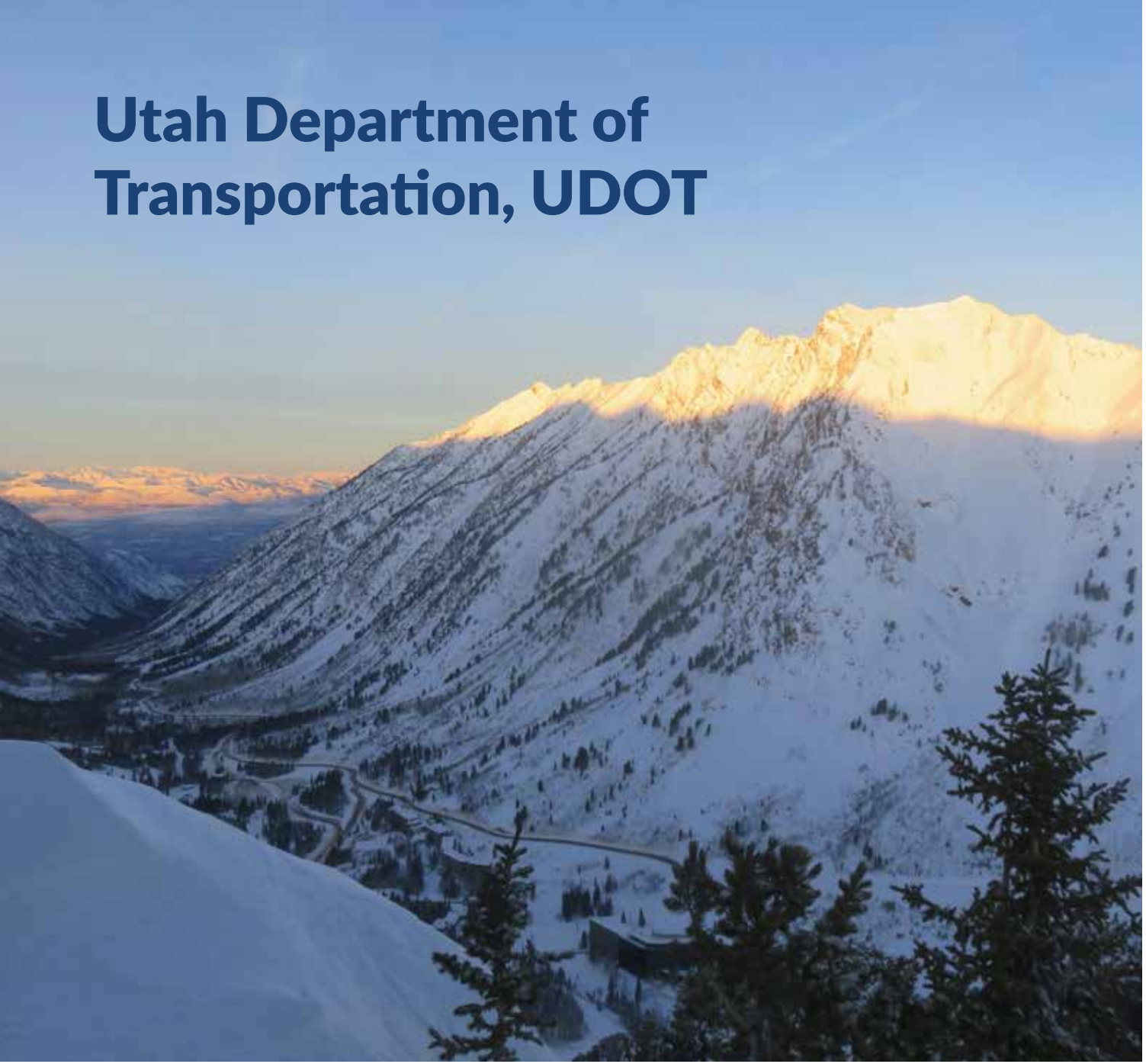
Protected Object(s):
Access Road

Installed Systems:
23x Avalanche Tower LS12-5
2x Weather station
5x Signal horn

Year:
Installed in 2019 - 2021

wyssen switzerland avalanche control

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

Year:
Installation since 2017

Photo credits: © UDOT's LCC Avalanche Team

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 in collaboration with Jean-Luc Lugon

Year:
Installed in 2019

Photo credits: © Vallée du Trient

wyssen switzerland avalanche control

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:
Installation since 2021

Photo credits: © LAAX / Danuser Gaudenz

wyssen switzerland avalanche control

Weißsee Gletscherwelt

Weißsee Gletscher Welt
1.480 m - 2.600 m

Place: Uttendorf
Country: Austria

Protected Object(s):
Ski Resort

Installed Systems:
1x Avalanche Tower LS12-5

Year:
Installed in 2010

wyssen switzerland avalanche control

Zauchensee Liftgesellschaft Benedikt Scheffer GmbH

ZAUCHENSEE
BERGBAHNEN

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

wyssen switzerland avalanche control

zb Zentralbahn AG

Die Zentralbahn.

Place: Brienzergrat, 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

wyssen switzerland avalanche control

Zermatt Bergbahnen AG

MATTERHORN
ZERMATT BERGBAHNEN

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: Installation since 2004

Photo credits: © Christian Pfammatter

wyssen switzerland avalanche control

Safety through **innovation**

Note for registered trademarks ®:
Our trademarks are marked with ®. We are happy to provide you with the information, in which countries we have a trademark protection.

wyssen switzerland avalanche control