

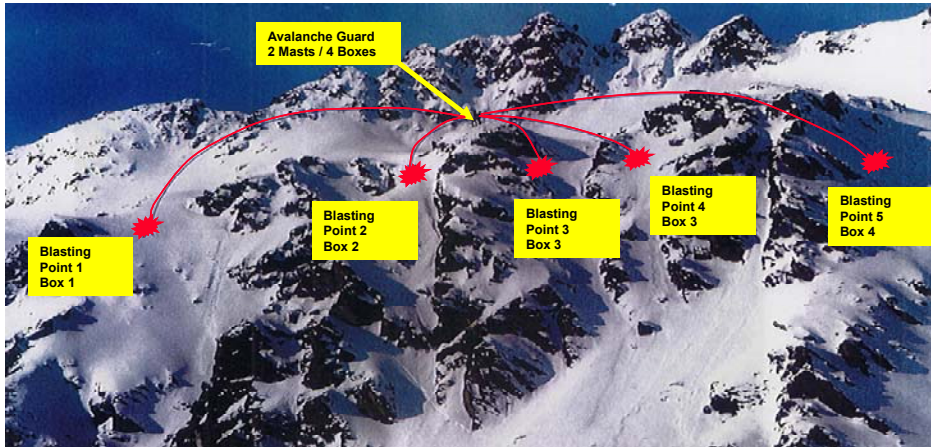


OUTDOOR ENGINEERS, INC.
1819 Denver West Drive
Suite 100
Golden, CO 80401

T (303) 277 8601
F (303) 277 0042

info@outdoorengineers.com
www.outdoorengineers.com

We offer solutions for artificial release of avalanches. Either with the stationary and remotely controlled **Avalanche Guard and Avalanche Master**



Typical Avalanche Guard Setup

or with the mobile **Avalanche Pipe**



These are well proven systems with 170 installations in use between North America and Europe.

We would like to thank our customers in North America for their trust:

USA: Alaska Rail Road, Jackson Hole, Snowbasin, Telluride, WyDOT, WsDOT

Canada: BC Ministry of Transportation



OUTDOOR ENGINEERS, INC.
1819 Denver West Drive
Suite 100
Golden, CO 80401

T (303) 277 8601
(303) 277 0042

info@outdoorengineers.com
www.outdoorengineers.com

We offer solutions for artificial release of avalanches, either with the stationary and remotely controlled **Avalanche Guard** and **Avalanche Master**, or with the mobile **Avalanche Pipe**.



Avalanche Guard at Rogers Pass, BC, Canada

The Avalanche Guard delivers a 4kg = 9lbs charge from a safe location outside the avalanche path into the target areas at the starting zones. It can be operated via radio from a stationary computer in an office or from a mobile laptop in the field.

These are well proven systems with 170 installations in use between North America and Europe.

ARTIFICIAL RELEASE OF AVALANCHES BY AVALANCHE GUARD, AVALANCHE MASTER AND AVALANCHE PIPE



Avalanche Guard

The Avalanche Guard is installed outside the avalanche starting zone from where it launches the explosive charges into the target areas.



Avalanche Master

The Avalanche Master is a new product developed in Switzerland. The Avalanche Master launches an explosive charge which is attached to a rope. This stops the charge from sliding down the steep slope and guarantees an optimal effect by an above snow detonation. It is installed immediately above the avalanche starting zone. A second target point located further away is reached by launching an unattached explosive charge.



Avalanche Pipe

The Avalanche Pipe, a single-shot launching device, is the avalanche patroller's extended arm. The explosive charge can be launched over a range of approx. 820 ft (=250 m). The Avalanche Pipe can be rotated by 360° at three different inclinations. This launching device can be installed stationary on a foundation or be mobile, e.g. on a Snowcat Blade.

OUTDOOR ENGINEERS, INC

1819 Denver West Drive
Suite 100
Golden , CO 80401

T (303) 277 8601
F (303) 277 0042



www.outdoorengineers.com
info@outdoorengineers.com

OUTDOOR ENGINEERS AG

Werkstrasse 10
CH-9444 Diepoldsau
Switzerland

T (+41) 71 730 0575
F (+41) 71 730 0576