



# Jakobshornbahn

Davos Klosters Mountains



# Security and Communication

## Case Study – Commend AG / Switzerland



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## Project Details

### Customer

Davos Klosters Mountains

### Project Type

Public Transport

### Basic Project Data

Access, communication and announcement system for the ski resort

Intercom for ski lifts

### Technical specifications

1 x Servers GE 300, GEZ 300, GEI 300

1 x VoIPSERV interface to PBX

2 x Wallmount Stations with LCD-Display WS 800 PI

4 x Digital Control Desk System EE 380 A + Keypad module EM 302 + IP converter box ET 901D

8 x Amplifier AF 50 I

4 x IP Intercom module ET 908 A

6 x Counter Intercom Stations GEC 882

## The Challenge

With more than 85 slopes totalling more than 300 km, Davos Klosters is one of the largest alpine ski resorts. Since December 2014, snow sports enthusiasts have the convenience of a new, ultra-modern cable car that will take them from the centre of Davos right to the Ischalp mountain station. The new cable car shuttle service has given guest convenience a massive boost and doubled the transport capacity. As a result, the Jakobshorn, which is known for its varied regional cuisine and its ideal conditions for free-stylers, is now even more convenient to reach. "Jatz Park" is a veritable paradise for the extra adventurous, offering more than 20 features, from kickers and rails to a super-pipe at the foot of the Jakobshorn.

The new cable car service offers **optimised infrastructures** to ensure a fast visitor flow and smooth transport procedures. At the same time, the transport capacity was almost doubled from 770 to 1220 persons per hour. The new cable cars provide room for 100 extra passengers while offering a significantly higher level of convenience.

To be able to cope with the increase in guest volumes, the operators required an access, communication and announcement system to provide a full overview and central control of the processes and activities throughout the resort. As an essential requirement, the solution was to reduce the load on the existing radio communication network.



## The Solution

The customer required a reliable, easy to operate **access, communication and announcement management system** for monitoring and centrally controlling all operational activities throughout the resort. Excellent audio quality was essential due to the constant loud background noise at the valley and summit stations. The system also had to provide high availability, as the system had to cover all communication at the summit and valley stations, both in emergencies and otherwise. Since the control desk is not always attended, a **PBX system integration** was required. There is also a new pay booth at the valley station, which was equipped with Commend Counter Intercom terminals.

The entire system was installed by **Integrator SISAG**.



Counter Intercom Station GEC 882

## Brief profile of Davos Klosters Mountains

Davos, the highest situated town in all of Europe (1,560 m above sea level), and Klosters (1,200 m above sea level) are nestled in the middle of the Alps, surrounded by a breathtaking alpine scenery and an idyllic winter landscape. **The Davos Klosters mountains link the two towns across five ski resorts. With more than 85 slopes totalling more than 300 km**, Davos Klosters is one of the largest alpine ski resorts.

In 2012, Davos Klosters Bergbahnen announced that the 27 year old shuttle cable car that ran from Davos-Platz to the Ischalp middle station was to be completely renovated. **Implenia Generalunternehmung AG** was hired as the general engineering contractor for the project. The architecture firm of **maur&frei Architekten AG Chur - Zürich** developed the plan for the replacement buildings at the valley and summit stations. The new cable cars, which were supplied by Doppelmayr/Garaventa Group, were to provide double the capacity (100 persons) while offering higher guest convenience. The new cable car system was commissioned during the winter season of 2014/2015. The overall investment costs amounted to 23 million Swiss francs.





# Security and communication for ski lifts

The communication platform to ensure secure, smooth work flows



” We were on the lookout for a single-source access, communication and announcement system for the entire region that had to be reliable and easy to use. We were particularly impressed with the excellent audio quality of the Commend solution.



Jürg Müller  
Head of Technology

## Real life makes for the best stories

How do Commend solutions cope with the tough real-life communication and security challenges at locations all over the world? Real-life answers to this question are provided by the many case studies on customer projects – [www.commend.com](http://www.commend.com).

Your local Commend contact person will be happy to answer any further questions regarding individual solutions.

## Secure communication systems by Commend

Can you imagine a system that millions of people rely on every day, where every word has to count? That’s the world of Commend! Secure, reliable communication is our passion.

As global market leader with over 40 years’ experience in developing voice technology, we have integrated video and interfaces to third-party equipment that complies with international norms and standards. Commend is the natural choice for hands-free voice communication systems all over the world.

## Other Projects

Seilbahn Weissenstein AG, Switzerland

Transports de la région Morges Bière  
Cossonay SA, Switzerland

Berg- und Skilift Hochsöll, Austria

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COMMEND is represented the world over by local Commend partners to provide enhanced security and communication with tailored Intercom solutions.

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