



The connected ropeway

What does it take to simplify the daily work routine for ropeway personnel and offer passengers enhanced comfort?

The answer lies first and foremost in the ongoing process of digitalization that continues to make inroads into the ropeway sector. For Doppelmayr/Garaventa, ICT means the innovative connection of ropeway control and cabin – for greater efficiency in day-to-day operations and a maximized ride experience.



Digitalization also generates significant value added in conjunction with ropeway systems. Intelligent products and services are connected, with benefits for ropeway operator and passengers alike – all in line with the SMART Ropeway concept. With the new OMEGA V cabin and the Doppelmayr Connect ropeway control system, Doppelmayr/Garaventa has created the technical basis for innovative information and communications technology (ICT) in day-to-day ropeway operations. Once these two areas of ropeway operations are connected, the next stage of

development has been reached. The result is maximum operational efficiency and safety on the one hand and unprecedented comfort for guests on the other.

Central control of cabin functions

But what does this actually mean? Daniel Pfeifer, head of electrical engineering at Doppelmayr, explains: "Cabin functions such as lighting, ventilation, air-conditioning, seat heating and two-way communication can be controlled centrally using the straightforward ropeway control system, Doppelmayr Connect – and this can be














done individually for each cabin." Lighting and temperature levels in the OMEGA V cabin can be adapted to suit the time of day, for instance. That's not only an advantage in ski resorts but also for urban ropeway operators.

Infotainment on board

Ropeway operators want to offer their customers enhanced service and entertainment facilities as well as comfort – to make the ride an unforgettable experience. This entails providing a host of additional functions and a comprehensive infotainment offer in the cabin. Passengers can



Cabin functions

-  Power supply
-  Charger
-  Lighting
-  PA system
-  Ventilation and air-conditioning
-  Seat heating
-  Electric doors
-  Cell phone charging points
-  Passenger Wi-Fi
-  Audio entertainment
-  Digital signage
-  CCTV
-  RGB light control

Infotainment

access the internet or tourist information such as weather reports at any time. Interactive audio entertainment is also part of the wide package offered to guests. Using a cell phone to play their favorite song on board is one of the many options. In addition, the ropeway crew have an overview of the complete ropeway installation at all times. CCTV provides them with live images of tower structures, carriers, rope spans and station buildings whenever required.

Modularity means greater flexibility

How much technology should be incorporated

into a cabin is something that customers can decide for themselves. The latest cabin generation from CWA is modular in design and built for a wide range of standard options. All electrical components can be fitted as well as retrofitted in the continuous acoustic ceiling. Cables can be laid from the roof to the cabin floor without much effort. The seat benches are also equipped for wiring as standard. For the customer, this means the electronic components can be integrated easily and cost-effectively at any time. "All options were designed in tune with the

overall design of the cabin and the entire ropeway including the control system," says Daniel Pfeifer.

ICT at InterAlpin 2019

ICT can be experienced at first hand at the InterAlpin show. Impressive exhibits on the Doppelmayr/Garaventa stand will highlight the possibilities and benefits that come with the intelligent connection of Doppelmayr Connect with the OMEGA V cabin. The first Doppelmayr ropeways with comprehensive ICT functions will go into service in winter 2019/2020.

**the
journey
of connection**



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