

Doppelmayr Connect: Welcome to the future





Doppelmayr Connect

Milestone in ropeway technology



Technological advance, digitalization and increasing data connectivity open up new opportunities in the world of ropeways. At Doppelmayr/Garaventa, SMART Ropeway focuses innovation capability in this area, enabling visionary concepts for rope-propelled mobility. Ideas that might sound a long way off in the future are in fact available to you today with the D-line and the ropeway control system Doppelmayr Connect.

We set milestones for visionary transport systems with cutting-edge ropeway technology. Our decades of experience gained from countless projects world-

wide and the requirements of our customers fed into the development of Doppelmayr Connect. The intuitive user interface, top-grade industrial electronics and new technological possibilities make life easier for you in your day-to-day work.

Our engineers have contributed their entire wealth of experience to the new control system and, with the future in mind, have developed a product for you that ensures efficient operations and enables a full overview of your installation.

Doppelmayr Connect focuses on the operator



The newly developed control system places the emphasis on the needs and tasks of the user. From the central control desk, you have a full overview of the ropeway installation and can simultaneously keep an eye on your passengers. The premium touchscreen is ergonomically angled and made of top-grade materials.

All operator control units, whether on the platform, at the control desk or on the control cabinets, follow the same operating logic. They have been tried and tested for outdoor use in snow, ice and rain, and are resistant to UV radiation.

Benefits

- All operating elements used on a daily basis available centrally at the desk
- Passengers always within the field of view
- Control room layout designed for convenient reach distances
- Operating elements optimized to ensure a clear overview





Visualization

The user interface was developed in close collaboration with ergonomics experts. Its layout is uncluttered and reduced to the essential. Irrespective of user navigation in more detailed displays, key data, such as rope speed, wind values, any error reports, alerts and information, always remains in view on the first level.

User-friendly, easily selectable tiles and large control fields make for easier navigation. The logical menu layout ensures a particularly clear and simple overview.

One of the priorities when developing Doppelmayr Connect was to improve the quality of the workplace for the operator. For this reason, the space occupied by control cabinets was further reduced, disturbing fan noise eliminated and exhaust heat minimized through the use of energy-efficient components.

Benefits

- Optimal overview thanks to large 21.5" screen and HD resolution
- Ergonomic rotating and tilting facility
- High-quality finish in glass and brushed aluminum
- Industrial PC for space-saving integration

Tablet

Daily operations including maintenance and repair work are much easier using a modern tablet. A mobile application, which is connected to the control system via the internal wireless network and operated with the tablet, provides enhanced convenience for ropeway personnel.

Benefits

- Full visualization of the entire station accessible from the mobile device
- Greater convenience for maintenance and repair work
- Safeguarded against unauthorized access
- Additional fail-safe radio remote control available

Fail-safe radio remote control

The radio remote control gives you the freedom of movement to take optimal care of your passengers. The remote control consists of a hand transmitter, radio safety module and shoulder strap. It is fitted with the operating elements for emergency stop, speed stage and carrier identification.

LED line illumination

The energy-efficient LED line illumination is designed to illuminate the rope spans during night trips and was developed in accordance with prevailing nature conservation regulations.

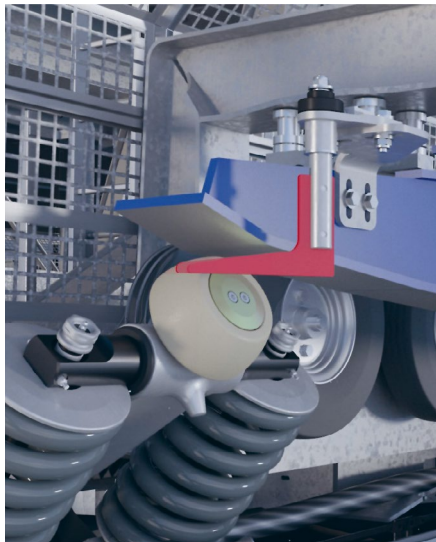




Doppelmayr Connect is intelligent

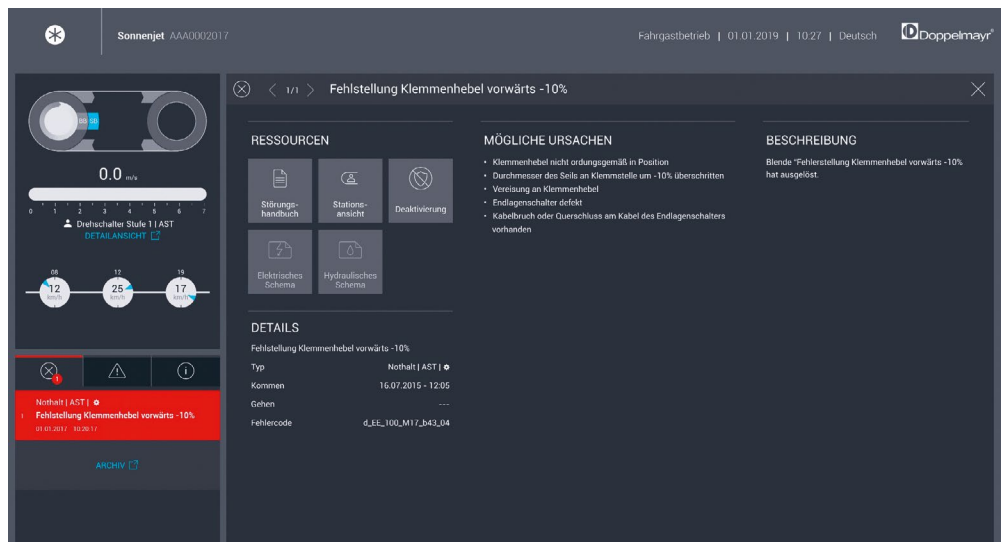
Notification Center

Shutdowns, alerts and information are shown in the Notification Center on the touchscreen to give you a rapid overview of active reports.



Solution Center

The Solution Center is a tool that provides an exact description, possible causes and quick links to useful information in the event of a report.

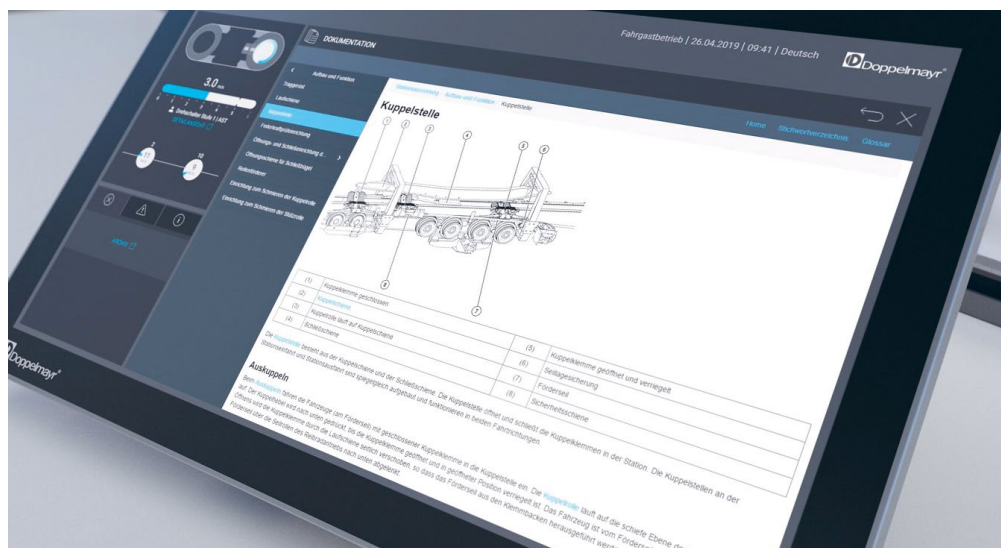


Documentation

Further information such as operation and maintenance manuals is stored in the system and can be accessed direct by the operator.

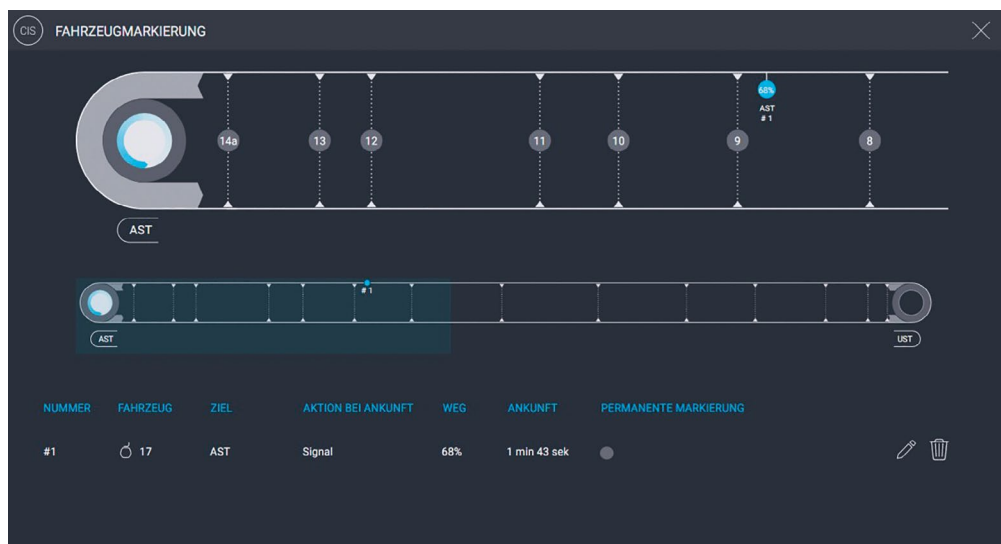
Benefits

- All manuals are integrated
- All electrical diagrams including links are available in PDF format
- All hydraulic diagrams are available in PDF format



Electronic carrier identification

All carriers are electronically tagged with the aid of RFID technology. For numerous functions, such as carrier identification, spring force measurement or current measurement for the seat heating, this means that values can be uniquely assigned to the individual carriers.



Doppelmayr Connect is secure

Secure remote maintenance system

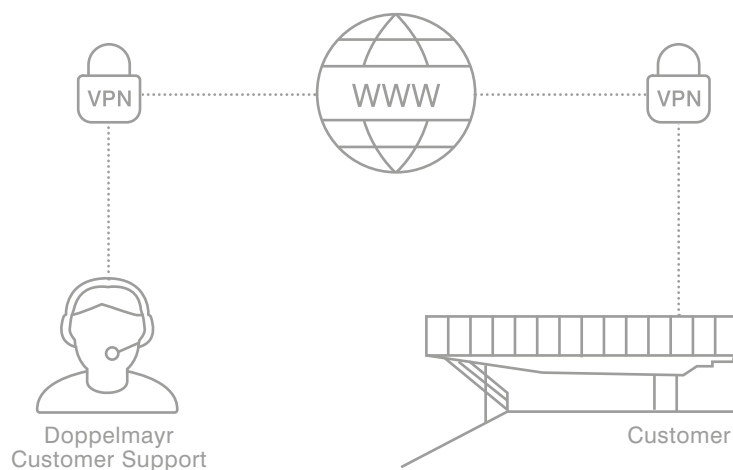
If required, we can provide you with fast, straightforward assistance. Your installation is safeguarded against unauthorized access at all times.

IT security

Doppelmayr Connect satisfies the highest standards with regard to protection against unauthorized access from outside.

TÜV-certified deactivation concept

Following the failure of a safety device, it can be of benefit, in specific situations, to continue operations using the main drive, rather than evacuating the line using the emergency drive. In this case, the respective safety function can be deactivated while adhering to clearly defined alternative measures. Step-by-step guidance is provided throughout the entire deactivation process.





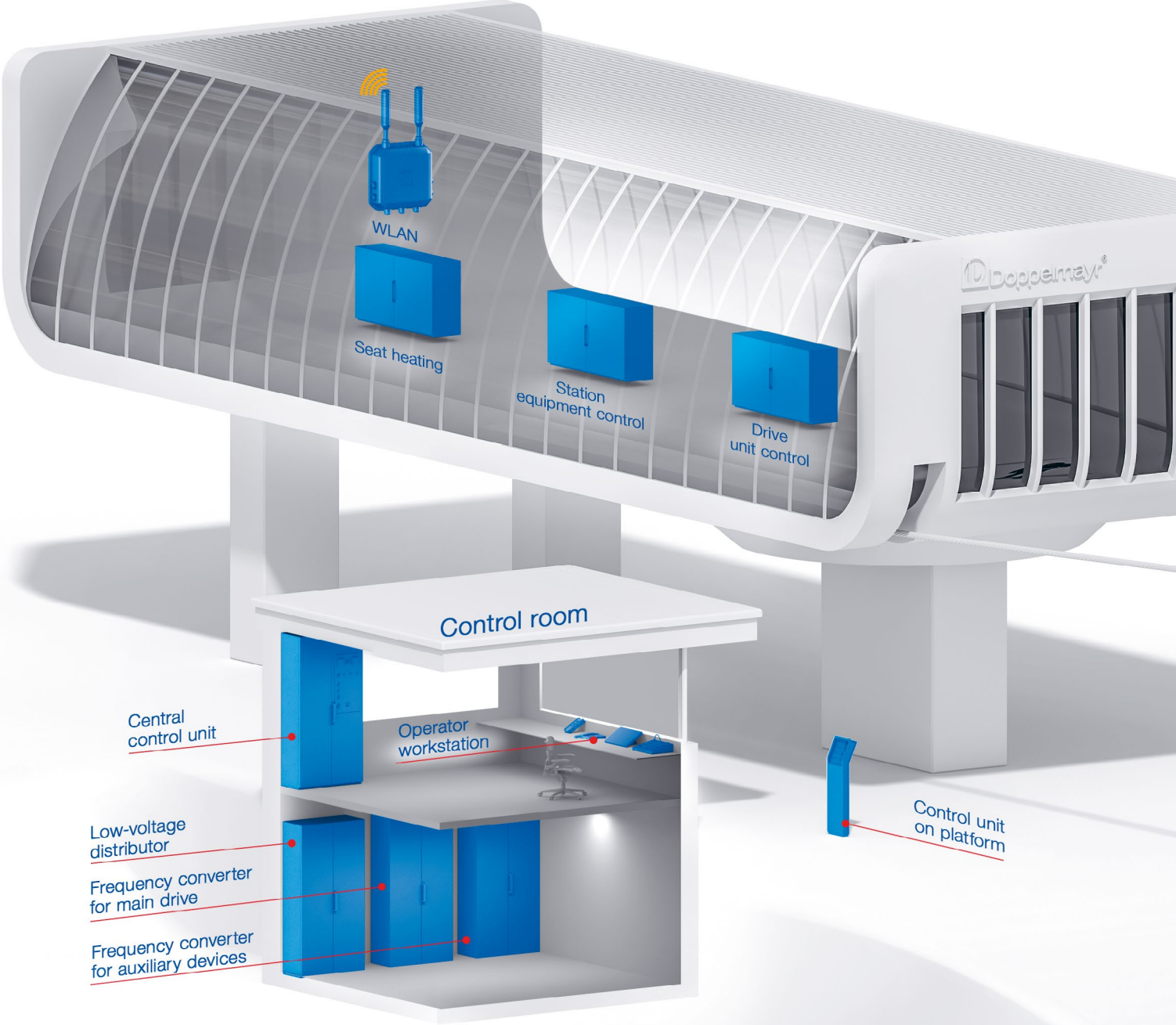
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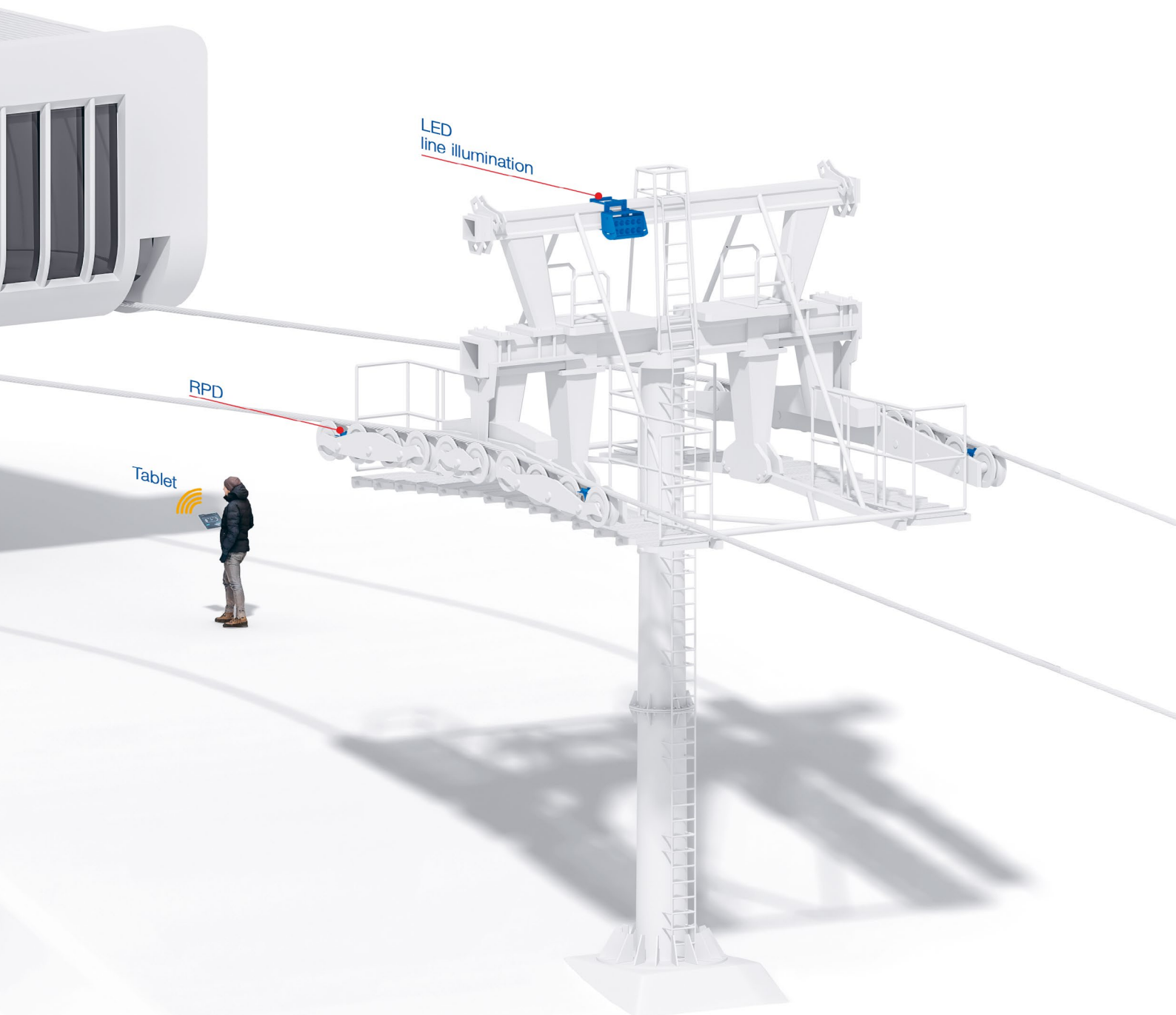
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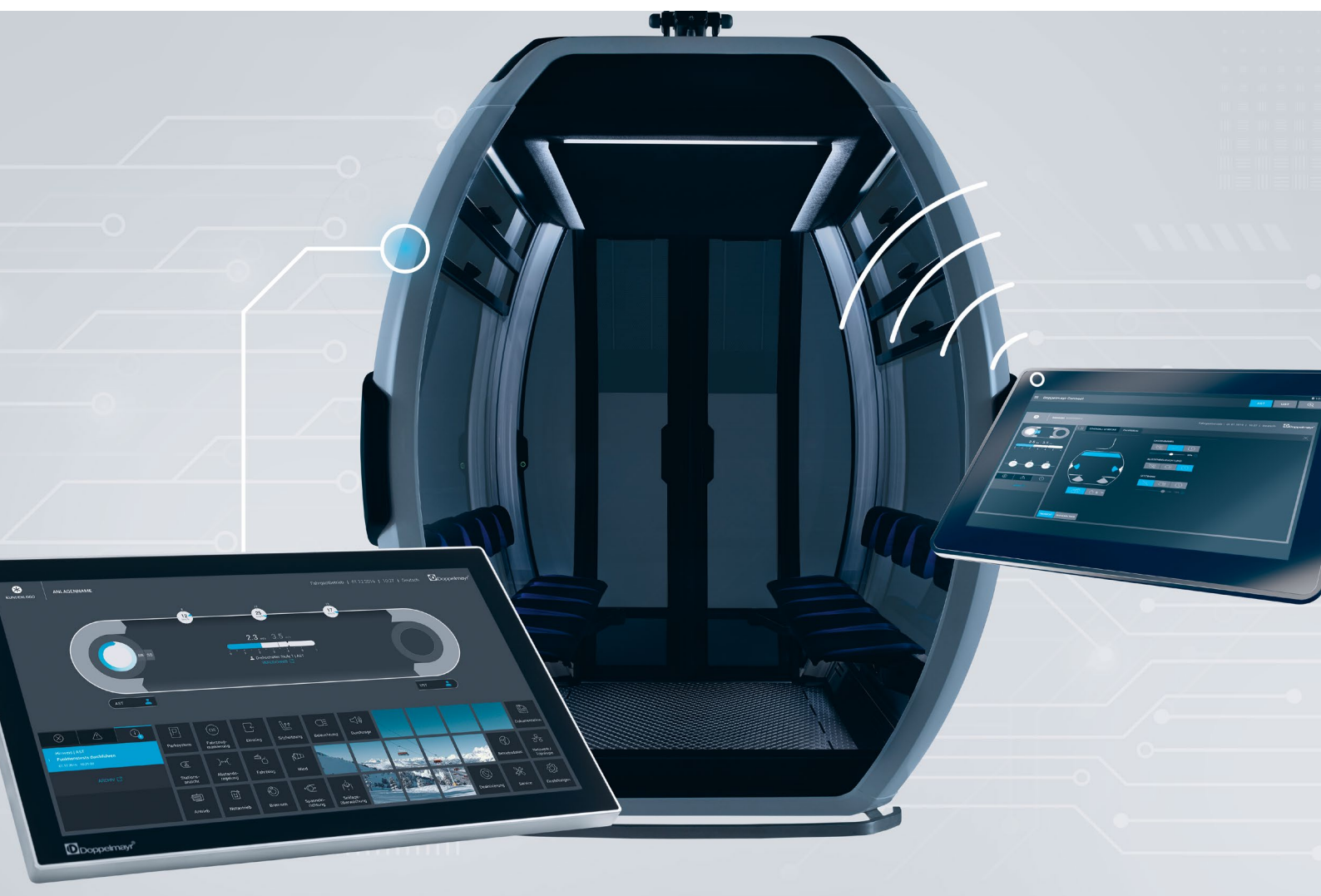
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Doppelmayr Connect at a glance



Doppelmayr Connect integrates



The term information and communications technology (ICT) is used to refer to the innovative connection of Doppelmayr Connect and cabins – for greater efficiency in day-to-day operations. The ropeway operator has straightforward, central control of cabin functions such as lighting, ventilation, air-conditioning, seat heating and two-way communications via the ropeway control system.

A host of additional functions and a comprehensive infotainment offer are available in the cabin. Passengers can access the internet or tourist information such as weather reports at any time.

Doppelmayr Connect

The benefits at a glance

Functional

- Transparent and customizable user interface design
- Intuitive und logical navigation: flat menu hierarchy with 2 levels
- Notification Center: error reports, alerts and information are always within the operator's field of view
- Solution Center: innovative support for rapid fault elimination in day-to-day operations
- Integrated electronic manuals and circuit diagrams
- Mobile application with tablet via dedicated wireless network: the enhanced freedom of movement facilitates operations and maintenance work
- Data recording possible for statistical evaluation (trend analysis, operating statuses on the ropeway, etc.)
- Prerecorded passenger announcements
- RFID carrier identification in the station for data collection purposes
- TÜV-certified deactivation concept to enable continued operations using the main drive
- Remote maintenance system with IT security to protect against unauthorized access from outside

Practical and rugged

- Operating elements used on a daily basis within easy reach
- 21.5" touchscreen with Full HD resolution, high-quality finish in glass and brushed aluminum
- Use of modern sensor and actuator technologies
- Space-optimized installation of control cabinets for enhanced operator comfort in the control room
- Decentralized layout of control cabinets to reduce heat and noise emissions in the control room
- All outdoor control units are of rugged construction and in weather-protected design with a weather protection covers
- Use of top-grade industrial electronics with extended temperature range
- Fail-safe radio remote control for greater freedom of movement
- Line illumination with energy-efficient LED technology
- Excellent spare parts availability



Doppelmayr Seilbahnen GmbH
Konrad-Doppelmayr-Straße 1, Postfach 20
6922 Wolfurt / Austria
T +43 5574 604
dm@doppelmayr.com, doppelmayr.com

Garaventa AG
Birkenstrasse 47
6343 Rotkreuz / Switzerland
T +41 41 859 11 11
contact@garaventa.com, garaventa.com