

## Seat Heating



➤ ... to comfortable.

➤ From functional ...



## Feel the innovation

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Taking the long view, identifying trends, creating innovations – these are the strengths you can count on as a Doppelmayr/Garaventa customer. With leading-edge ropeway technology, we set the benchmark for transport systems geared to the future. Your trust in our capabilities and products motivates us to provide you with top performance every time. As your partner we take pride in our reliability.

Always known for their invitingly elegant and transparent design, chairs from Doppelmayr/Garaventa achieve their highest level of comfort with seat heating – and the best possible ride experience for skiers. In cooperation with one of its customers, Doppelmayr/Garaventa jointly developed an innovation that makes

skiing and recreational fun even more enjoyable. As the world's first manufacturer of seat heating for chairlifts, gondolas and combined installations, Doppelmayr/Garaventa proves its flexibility and customer focus. Even older installations without Doppelmayr/Garaventa control systems can be converted to this new technology without any problem – one of the many advantages of Doppelmayr's well-established expertise and trend-setting technical know-how. Since launching the world's first seat heating system in 2004, we have already installed seat heating on over 140 lifts.

 The top level in comfort



## Technical facts & figures

- 16–21 seconds heating time in the station
- 7.5 kW rated output based on a detachable 6-seater chairlift
- 420 W per seat
- low energy consumption
- approximately 57 kWh per day
- roughly € 6.80 a day based on energy costs of € 0.12/kWh
- materials used of B1/B2 quality
- heating mat protected against short-circuiting and damp
- protection against overheating via clocked electrical power supply at low speed
- power supply to the heating mats via 48 V protective low voltage and fuse disconnection
- TÜV-certified safety for passengers and operating personnel pursuant to Directive 2000/9/EC



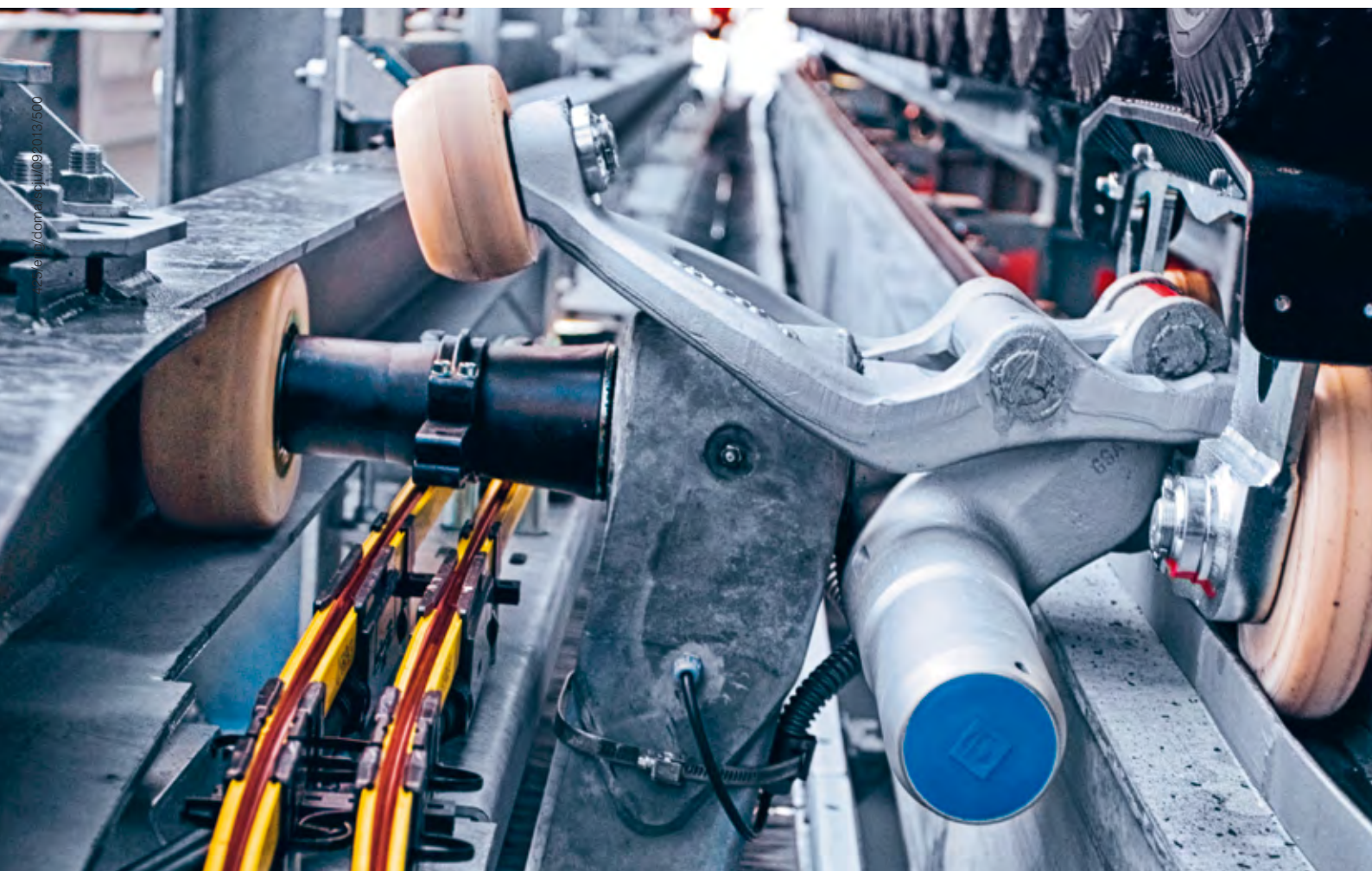
### ➤ Function in the station

Plastic channels guide the current collectors on the incoming chairs onto the two power rails which are laid between the grip opening line and the grip closing line. Here the energy for the seat heating is absorbed. On installations with chair parking, the power rails are interrupted at the parking switch rails.

### ➤ Function on the chair

The power flows from the power rails via the current collector on the grip to the terminal box under the seat. From there it is used to warm the heating mats in the seat pads while the chair is in transit through the bottom station. The power flow stops once the chair leaves the station as the chair has then been heated sufficiently to provide the passengers with warm seats throughout their trip.





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