

# Combined Lifts



 ... to individual.

 From flexible ...







## Individual ski vacations begin with the uphill ride


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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.

The combined lift unites the advantages of a detachable gondola with those of a detachable chairlift. For convenient transport that entirely meets the wishes of passengers, gondolas and chairs are used simultaneously. Separate loading and unloading areas designed to meet the requirements of the respective carriers are a feature of this lift type. Since the world's first patented combined lift in 2002, this winning combination has been implemented on 28 installations around the globe.

The great flexibility of this system makes it well suited to areas with winter and summer tourism. The 'mix' of carriers can be readily adapted in line with the season, prevailing weather conditions or customer requirements.

The use of gondolas in summer provides convenient transport for wheelchair users, strollers or bicycles. In winter, gondolas are highly appreciated by families with children or children's ski schools. Winter sports enthusiasts with no time to waste will prefer riding on a chair without having to remove skis, snowboards etc. For increased comfort, options such as seat padding, seat heating or bubbles can be included at any time.


 The right carrier  
for every passenger



## The right solution for every user group

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People have different needs and expectations in terms of comfortable, stress-free and safe transport. With the combined lift, the Doppelmayr/Garaventa Group has developed a transport system which is ideal for covering the requirements of all user groups.

 Fast, uncomplicated  
and comfortable



### Winter

- skiers wearing skis
- snowboarders
- ski schools
- alternative sports equipment such as toboggans, scooters, Snowfoxes etc.
- children, passengers with impaired mobility etc.
- winter hikers
- transport of people with injuries
- freight transport with Euro pallet

### Summer

- foot passengers, hikers
- children, passengers with impaired mobility etc.
- mountain bikers
- paraglider pilots
- families with strollers and/or pets (dogs)
- freight transport with or without Euro pallet (restaurants, hotels etc.)







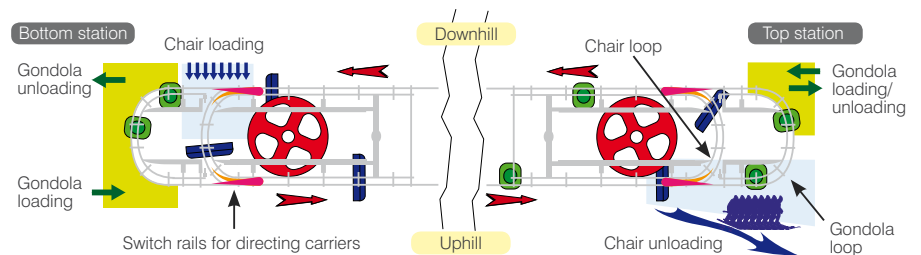
## A new method of operation

Thanks to its high flexibility, this ropeway system can be optimally adapted to different requirements. Within a given system, all carrier mixes are generally possible, depending on the season, the prevailing weather conditions and customer requirements. In summer, for example, there may be a need to run cabins only.

With the patented Doppelmayr/Garaventa system, the loading and unloading areas in the stations for chairs and gondolas are physically separated. This creates completely new possibilities for exploiting the advantages of both lift systems. Carrier parking in the station, with a dead-end rail parking system or a loop parking system offer optimal protection of the carriers.

World first: The use of two separate rope loops for chairs and gondolas means that 8-seater chairs can be deployed without conflicting with high-comfort boarding for the gondolas.

To prevent any risk to gondola users from the wider chairs, the loading areas for chairs and gondolas have been separated. (Up to now, this has not been necessary as the usual combination was 6-seater chairs and 8-passenger gondolas.) In these individual loading areas for either chairs or gondolas, the carriers are timed to ensure entirely smooth loading and unloading. The gondolas have a station transit speed of 0.15 m/s, while the chairs run at 0.75 m/s. In addition, passenger flows in the chair loading area are organized to compensate for loading time differences between slower and faster passengers.



## Key features at a glance

- simultaneous transport of passengers with differing needs (athletic skiers, children, novices, hikers etc.)
- any mix of chairs and cabins possible
- loading and unloading for skiers on snow and for foot passengers on slip-proof terrain
- protection against wind and weather
- ski school children can be transported in safely enclosed cabins
- transport capacity of up to 3,900 PPH
- optimal adaptation to different passenger needs in summer and winter operation
- transportation of other sports equipment such as mountain bikes, scooters etc. in the cabins is possible
- the cabins are suitable for transporting people with injuries
- all advantages of detachable chairlifts and gondolas combined in one system

➤ New thinking provides  
new possibilities







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