

The World of Ropeways

 ... to top performance.

 From challenge ...





World leader



As a customer of the Doppelmayr/Garaventa Group, you can count on the best quality, leading-edge ropeway technology and the utmost professionalism. We develop our products in close collaboration with our customers and partners in order to arrive at the ideal solution to meet your individual wishes and needs. When it comes to implementing your project, the very latest technologies and the full in-depth experience of our engineers and technicians are employed. All this makes the Doppelmayr/Garaventa Group the world leader in ropeway engineering – and your reliable partner.

Our transport systems set benchmarks: We transport passengers with ropeways offering not only top comfort but above all safety at the highest level – in summer and winter tourism regions or as part of urban transit

networks. Our systems for material transport and ropeways for preventive avalanche blasting offer impressive efficiency and performance. All-year-round experience concepts round off our extensive portfolio.

With Doppelmayr/Garaventa, you get top quality in modern design, discover user-friendly solutions and know you will continue to receive optimum service in the future. From the initial idea to the completed project and beyond.



The Doppelmayr/Garaventa Group

2002 saw the merger of two leading ropeway manufacturers with a long tradition: Doppelmayr and Garaventa. This gave rise to the Doppelmayr/Garaventa Group with its main plants in Wolfurt (AUT) and Goldau (CHE) as global competence centers for circulating ropeway systems such as gondolas and chairlifts as well as reversible aerial tramways and funicular railways. It is here that the technology which has earned these two companies a worldwide reputation is designed and engineered.

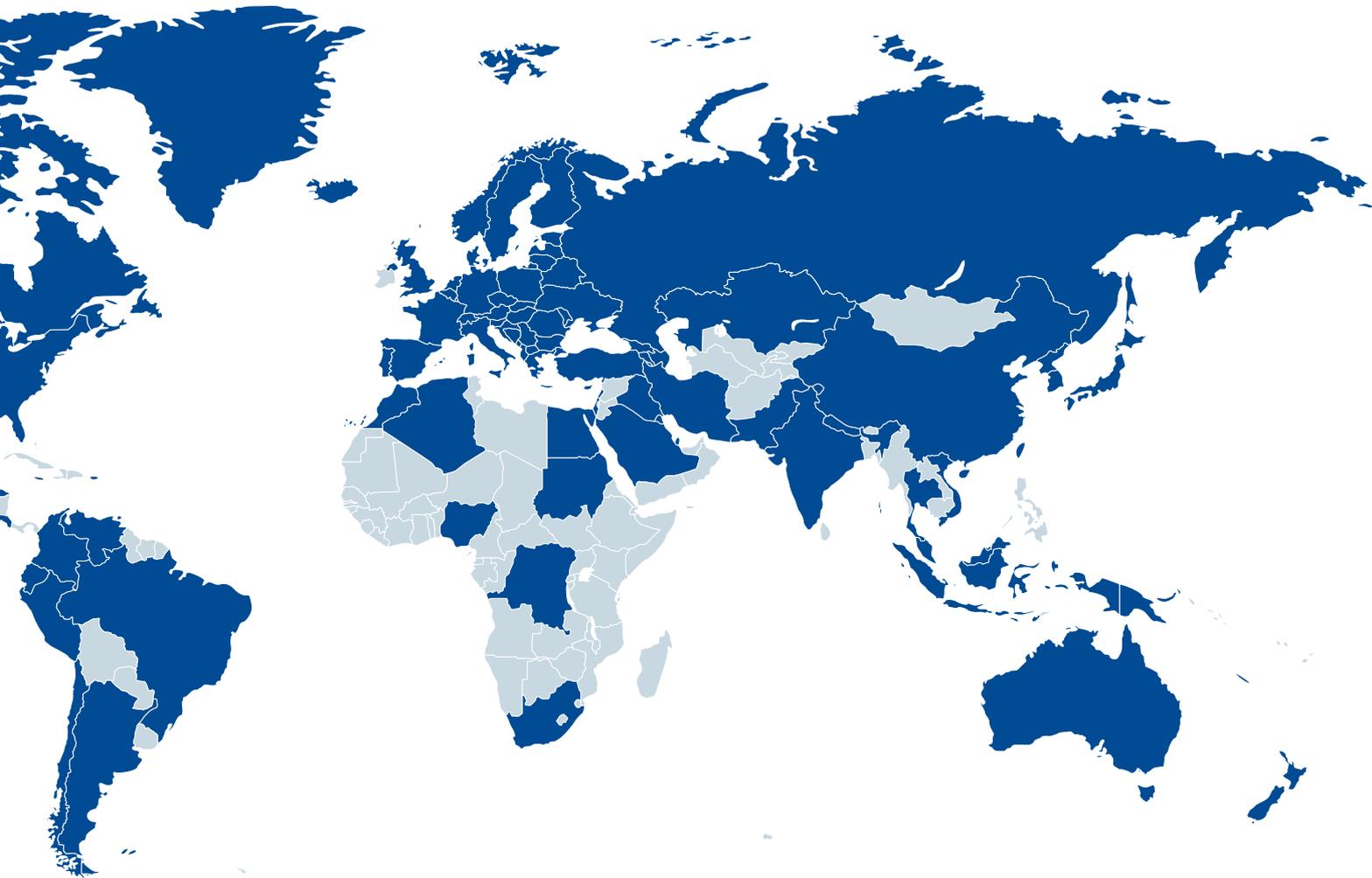
Since the beginnings of both companies over a century ago, the Group has become the epitome of technical reliability and innovative strength, and has been instrumental in shaping the ropeway industry. Doppelmayr and Garaventa have played a major role in technical advances and achieved many milestones which have contributed to the breathtaking pace of development in this field.

Today, the Doppelmayr and Garaventa brands stand for top quality and uncompromising reliability. Installations designed precisely to accommodate the customer's wishes and pioneering innovations in ropeway construction sum up a corporate philosophy which strikes a chord with operators around the globe. The Group operates production plants as well as sales and service centers in over 35 countries worldwide and has installed over 14,400 ropeway systems to date for customers in more than 88 nations worldwide.



Divisions

- passenger ropeways
- material transport systems
- avalanche blasting ropeways
- rope-propelled local transport systems
- automated inclined elevator systems
- concepts for the all-season mountain experience



Subsidiaries

DCC – Doppelmayr Cable Car

This company offers innovative, progressive and eco-friendly alternatives for local transport applications. The energy and space-saving systems can be readily integrated into sensitive urban infrastructures, airports, exhibition and conference centers as well as large industrial and administrative complexes. www.dcc.at

Doppelmayr Transport Technology

The broad spectrum of sophisticated material transport systems provides the answer to any challenge involving the transportation of bulk material and unit loads. Solutions range from well-proven material ropeways to innovative long-distance conveyor systems. www.doppelmayr-mts.com

Input Projektentwicklungs GmbH

Input's main field of activity focuses on adventure concepts for mountain regions aimed at long-term profitability. The objective is to develop comprehensive concepts which offer a fun mountain experience for all the family 365 days a year. www.input-projekt.com

 World leader – thanks to superlative quality and customer focus

The history of the Doppelmayr/Garaventa Group



Doppelmayr	Company founded by Konrad Doppelmayr	First surface lift in Zürs am Arlberg, AUT	First detachable gondola in Mellau, AUT	World's first detachable 6-seater chairlift in Mont Orignal, CAN	First Funitel in Hintertux, AUT	World's first detachable 8-seater chairlift in Vrådål, NOR	First CABLE Liner Shuttle in Las Vegas, USA	First RopeCon® system for bulk material handling in Strengen, AUT
Milestones	1892	1937	1972	1991	1996	1997	1999	2001
Merger to form the Doppelmayr/Garaventa Group 2002								
Garaventa	1928	1967	1973	1987	1992	1994	1995	2000
Milestones	First material ropeway on the Rigi, CHE, built by Karl Garaventa	First large reversible aerial tramway in Squaw Valley, USA	Fully automatic ore ropeway in Marmorilik, GRL	Switzerland's then biggest (150-passenger) tramway in Verbier	World's first Rotair aerial tramway on Tittlis/Engelberg, CHE	Switzerland's first Funitel in Verbier	World's first double-decker aerial tramway in Samnaun, CHE	World's first levelling funicular in Neuchâtel, CHE



World's first automobile ropeway in Bratislava, SVK	World's first seat heating system for chairlifts in Lech and Schröcken, AUT	World's first gondola with revolving cabins in Sattel-Hochstuckli, CHE	Record-breaking lift: 3S gondola from Whistler Mtn. to Blackcomb Mtn., CAN	World's first chair designed to carry seven children, Serfaus, AUT	World premiere for recovery concept on the 3S lifts in Koblenz, GER and Sölden, AUT	World's first CabriO® tramway up to Stanserhorn, CHE	The UK's first urban ropeway in London, GBR
2002	2004	2005	2008	2008	2010	2012	2012

Applications



Detachable chairlift – Haus im Ennstal, AUT



Reversible aerial tramway – Stans, CHE

Winter

Off to the slopes with the professional

Ever since winter sports fans in their droves began heading for the mountains, Doppelmayr/Garaventa has been a reliable partner to large numbers of ski resorts around the globe. The differing needs of passengers – whether children or adults, novices or professional athletes, groups or singles – provide the trigger for new ideas. Innovative thinking and many years of experience enable us to constantly increase the quality of Doppelmayr/Garaventa ropeways and perfect the technology behind them.

Working closely with our customers and partners enables us to continually set new milestones which inspire advances in the ropeway industry. Surface lifts, chair and gondola lifts or even combined solutions in standard or custom design – your wishes and your trust are the driving force in everything we do.

Summer

Heading for the sun with the number one

Ropeways are invaluable when it comes to providing access to recreation areas on the mountain, to remote alpine pastureland or to viewing points and monuments that are otherwise difficult to reach. As a flexible mode of transport that is individually adapted to the topography of the region, ropeways have no problem crossing even very large obstacles. Their minimally invasive design enables ropeways to blend in almost imperceptibly with their surroundings – without major harm to the visual impression of the tourist destination.

In combination with experiential attractions on the mountain, the ropeway provides a popular means of access for summer toboggan runs, mountain huts or themed hiking trails. Hikers, families with children, wheelchair users, paraglider pilots and senior citizens are guaranteed a high-comfort ride while they relax and enjoy the view.



Detachable gondola lift – Singapur, SGP



RopeCon® – Simberi, PNG

Urban

Over the city roofs with the all-rounder

The innovative ropeway systems from Doppelmayr/Garaventa offer a host of benefits in the urban environment. They cross residential areas, rivers and existing infrastructure with ease and glide over every traffic hindrance. As well as lending themselves perfectly to integration into urban planning concepts, ropeway solutions offer infinite scope for creativity. Structures and equipment can be individually designed to cater for cultures, local circumstances and customer preferences.

Passengers enjoy entirely new perspectives of the cityscape, top comfort and rapid connections while using the safest means of transport in existence. Barrier-free loading and unloading make ropeways a positive experience for wheelchair users as well as passengers with strollers or bicycles. Environmentally friendly and efficient at the same time, ropeway systems provide an impressive answer to present and future traffic problems, and create added value for any city.

Material

Moving with the technology leader

As well as delivering optimum quality and advanced solutions for passenger transport, Doppelmayr/Garaventa proves that ropeways are an excellent choice for material transport. All kinds of materials are transported safely and efficiently to their destination. Customers can rely on a transport system to suit their specific requirements.

Material ropeway systems occupy a minimal structural footprint and even in mountainous regions are able to cross large distances and major obstacles between the individual towers. For heavy-duty applications, Doppelmayr/Garaventa developed RopeCon® and RailCon®. These systems combine conveyor and ropeway technology, and provide a reliable means of carrying bulk materials and unit loads from A to B. This makes Doppelmayr/Garaventa your ideal partner for material transport.



Detachable gondola lift – Demänorská dolina, SVK



Detachable chairlift – Lofer, AUT

» Detachable gondola lifts

Safe, comfortable and fast: The detachable gondola lift is a ropeway system with cabins to take four to 15 passengers and is suitable for use in winter sports regions, for summer tourism and urban transport projects. In the past five years alone, the Doppelmayr/Garaventa Group completed more than 120 detachable gondola lifts for its customers worldwide.

» Detachable chairlifts

With the detachable chairlifts from Doppelmayr/Garaventa, you can rely on a proven system with unique features. As well as carrying up to 4,000 passengers per hour, these lifts offer a choice between double, quad, 6- or 8-seater chairs that are extremely comfortable, safe and compact in design.

» Combined lifts

The combined lift unites the advantages of a detachable gondola with those of a detachable chairlift. The features of this lift type are the simultaneous use of gondolas and chairs along with separate loading and unloading areas designed to meet the requirements of the respective carriers.

Combined lift – Mayrhofen, AUT



Funifor – Bezaus, AUT



Products

Flexibility, commitment, extensive know-how and a pioneering spirit make Doppelmayr/Garaventa ideally equipped to meet all the challenges of traditional and new markets. Development and design engineers at Doppelmayr/Garaventa see technical progress as an opportunity which must be used wisely. That is why every new ropeway installation is adapted with great care and sensitivity to suit the task and the terrain. Safety and comfort are always the top priority.

Doppelmayr/Garaventa is characterized by a great capacity to innovate, by outstanding product quality and an uncompromising attitude to safety as well as a unique concentration of know-how. A close-knit network of service and maintenance centers also ensures prompt and dependable customer support. Why not take a closer look at our product portfolio? With Doppelmayr/Garaventa, you too can rely on many years of innovation know-how.

➤ Funifor

The patented Funifor system has proven particularly successful even at high altitudes. One of its distinguishing features is the large distance between the track ropes, which guarantees optimal wind stability. Independently driven carriers are a key safety feature of Funifor. This does away with the need for an additional rescue ropeway and ensures rapid evacuation in the event of an emergency.

➤ Funicular railways

Doppelmayr/Garaventa's first funicular railway dates back to 1885. Funiculars can be built almost anywhere: in cities, in the country, or in mountain regions. Curves and changes in gradient can be mastered by this ropeway system without any problem. The low profile ensures high availability for the funicular in all weather conditions.

➤ Reversible aerial tramways

They are the ideal means of transport: Aerial tramways cross valleys, ravines, rivers and glaciers as well as any other rough terrain with ease; they also provide an impressive solution for urban transport. While aerial tramways have long been a familiar sight in winter tourist resorts, they have now also become an integral part of the public transport systems in cities and agglomerations.

Funicular railway – Baku, ASE



Reversible aerial tramway – Blatten, CHE





3S gondola lift – Sölden, AUT

 **3S gondola lifts**

Tricable gondola detachable ropeways combine the benefits of gondola lift and reversible aerial tramway. The 3S system is a detachable continuous movement system offering a total transport capacity of up to 5,000 PPH and cabins for up to 35 passengers. Ropeways of this type are characterized by very high wind stability, low energy consumption and the capability to cope with very long rope spans.

 **Funitel**

The Funitel system perfected by Doppelmayr/Garaventa is extremely wind-resistant thanks to its special design feature of two parallel haul ropes and can operate at wind speeds of over 100 km/h. This feature combined with a rope gauge of 3.2 m makes the Funitel suitable for very long rope spans. The benefit for the passenger is a calm and comfortable ride.

 **CABLE Liner Shuttle**

Building on the vast experience of the parent company, Doppelmayr Cable Car (DCC) developed the CABLE Liner Shuttle. As high-performance and cost-effective alternatives in the area of local transit solutions, the APM-systems from DCC are particularly well suited to applications in cities, airports, exhibition and conference centers, large industrial and administrative complexes, and as feeder systems for adventure centers, sports stadiums and theme parks.

Funitel – Chopok juh, SVK



CABLE Liner Shuttle – Venedig, ITA





RopeCon® – Simberi, PNG

➤ Fixed-grip chairlifts

Fixed-grip chairlifts are built as both summer and winter tourism facilities. The double, quad or six-seater chairs are permanently attached to the haul rope. The loading conveyor system developed by Doppelmayr/Garaventa is the key to safe and convenient boarding on fixed-grip installations operated at rope speeds of up to 3 m/s. Transport capacity can reach up to 3,200 passengers per hour depending on the size of the chairs used.

➤ Surface lifts

Doppelmayr/Garaventa offers a full range of surface lifts, from simple platter lifts for the practice slopes to modern T-bars and high-capacity glacier lifts. We also provide upgrades, the replacement of equipment such as electrical control systems, service and repairs on all kinds of surface lift with overhead haul rope.

➤ RopeCon®

RopeCon® is a long-distance continuous conveyor system suitable for transporting bulk materials and unit loads of any kind. This product is the result of well-proven transport technology combined with Doppelmayr/Garaventa's decades of experience in the ropeway industry.

Surface lift – Erpfendorf, AUT



Fixed chairlift – Zell am See, AUT



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