

Press release

December 2020

Bundesgartenschau 2023: Together with MOJA Design, Doppelmayr develops a ropeway with a minimal footprint

- **Cable car is the most logical means of transport to connect Spinelli and Luisenpark during BUGA 23.**
- **Mannheim City Council's main committee votes in favour of the route, which runs across Feudenheimer Au, Sportpark and Neckar.**
- **The 2.1 km cable car ride takes about seven minutes.**

The Mannheim city council's main committee yesterday voted in favour of the proposed route of the cable car. The temporary cable car will connect the two „Bundesgartenschau“ areas, Spinelli and Luisenpark, from 14 April to 8 October 2023. The contract for construction, operation and dismantling was awarded to Doppelmayr Seilbahnen GmbH from Austria, who developed two station concepts together with the design studio MOJA Design, that integrate perfectly into their surroundings thanks to their minimal footprints and generous greenery.

„The approval of the main committee of the City of Mannheim for the proposed cable car route represents a significant step for the realisation of BUGA 23“, explains Michael Schnellbach, Managing Director of the Bundesgartenschau-Gesellschaft gGmbH. „After careful consideration of possible alternatives, both from a traffic point of view and with regard to climate protection, the cable car as a modern and at the same time environmentally friendly means of transport of the future is the only sensible alternative to connect the two separate areas.“ The main committee approved the proposed route on Tuesday, 08.12.2020, which stretches from the southern part of Spinelli across the Feudenheimer Au, the sports park and Neckar to the recreational meadow of the Luisenpark. The Bundesgartenschau gGmbH was commissioned to initiate the necessary planning approval procedure with the responsible regional council in Karlsruhe.

The Austrian company Doppelmayr GmbH was commissioned with the construction, operation and dismantling of the monocable gondola lift at the end of August 2020. The Bundesgartenschau Mannheim 2023 gGmbH is responsible for the technical and organisational implementation.

The design of the station environments and access routes was developed in cooperation with Doppelmayr by the Stuttgart design office MOJA Design. Thus, two cable car stations were developed that have a minimal footprint and fit seamlessly into the spacious park thanks to the open design and the use of natural materials and lush greenery. The spacious area around the stations also offers plenty of room for arriving and departing visitors and invites them to linger and enjoy the open design and integrated seating.

The cable car will be able to transport up to 2,800 people per hour in each direction at a speed of 6.5 metres per second. The journey time for one stretch will be about seven minutes. minutes. The entrances and exits will be barrier-free. The cable car will be operated 100 per cent with green electricity.

The 2.1-kilometre-long cable car is supported by ten pillars. In order to reduce the number of

supports to a minimum, the distances were planned as wide as possible. The foundations of the stations and supports will be dismantled after operation.

The planning approval procedure is to be submitted before the end of 2020. The construction site will be set up in 2022. By December 2022, the supports, stations and rope hoist will be assembled. The cableway will be put into operation in the first quarter of 2023.

Thanks to the special manufacturing process, the motor can also be used under vacuum conditions. In order to be able to provide the high power required for this, a 600V battery was developed that meets the requirements for a lightweight, modular and easier-to-manufacture battery system through specially 3D-printed, flame-retardant segment holders. In particular

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Ropeway station with a media facade in the „Spinelli Park“.

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The ropeway station in the „Luisenpark“ blends in perfectly with its surroundings

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Floral graphics reflect the exciting variety of flowers, plants and other elements of the BUGA 23

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Albert Schuster, founder and CEO of MOJA Design

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Doppelmayr Seilbahnen GmbH

The Doppelmayr/Garaventa group is the world's leading manufacturer of ropeways, cable cars and ski lifts. They offer top quality in modern design, user-friendly solutions and optimum service - from the initial idea to the completed project and beyond.

MOJA Design GmbH

MOJA Design is an interdisciplinary design studio, located in Stuttgart and consists of highly experienced and qualified professionals. Product designers, communication designers and architects work hand in hand to form an unbeatable team with the highest standards of design, function and innovation.

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