

Fact sheet: ‘Voltron Nevera powered by Rimac’

April 24, 2024

Records:

- Steepest launch in the world (105°)
- Among the launch coasters with the most overhead elements in the world (seven)
- Longest launch coaster in Europe (1385m)
- Longest overhead rollercoaster in Europe (sixth longest overhead rollercoaster in the world)
- Holds the record in Europe with three acceleration sections
- Holds the record in Germany with four accelerations

Dates & Numbers:

- **Beginning of construction:** January 2022 (Construction time: over two years)
- **Type:** Stryker Coaster (Further development of the Big Dipper)
- **Manufacturer:** MACK Rides
- **Drive:** LSM-Launch drive (drive with 'Linear Synchronous Motor')

- **Number of trains:** 7 (3 to 4 on the route at the same time)
- **People per train:** 16
- **Theoretical capacity:** 1,600 people per hour
- **Highest point:** 32.5m
- **Length:** 1,385m
- **Travel time:** 3 min
- **Maximum speed:** 100 km/h
- **Height/Age: Target:** 130 cm, 8 years
- **Construction:** 142 rail parts, almost 300 stators (magnetic acceleration), 406 column foundations
- **Total weight of supports:** almost 500t
- **Support colour:** brown
- **Ride elements:** 30 different elements, a total of 4 launches (one backwards), 7 overhead elements (inversions)
- **Track:** Beyond-Vertical Launch (Vertical launch with 105° inclination), 4 rows of stators, Inverted Top Hat, Airtime Dip and Airtime Hill, Immelmann, with a particular element: At a height of 32m, passengers are weightless (Inverted Stall), S-curve with Transition to Dive Loop (cars rotate 180°), reverse drive with Launch in Top Hat, Banked Stall with side Airtime, Ejection Drifter (new development unique worldwide: Banked Stall inclined 90° to the left with side airtime), Double Up (final height: 20m), Falling Roll, Cutback, final element: Corkscrew (car rotates on its own axis and crosses two other rails)
- Darkride section (after the train station), a rollercoaster curve close to the water
- a train consists of 24,893 components, is equipped with lighting elements, a special feature: the elaborate design of the seats in the style of old, quilted leather armchairs (most elaborate seat that MACK Rides has ever produced)

Theming:

- Size: 20,000m² (construction phase 1)
- Rollercoaster is integrated into the 17th European themed area Croatia, inspired by the city of Hvar/ Croatia
- Two Voltron towers (each 28m total height), Croatian bell tower (34m, highest decorative element), other traditional Croatian elements: light limestone as a basic element, arches, old ruins, pieces of wall
- Flora: Croatian plant selection (Pinos, vineyard field), special feature: 800 year old olive tree

Storytelling:

- by MACK Magic, is about Nikola Tesla, as he was born in what is now Croatia
- Rollercoaster starts in a hydroelectric power station provided by the Adventure Club of Europe and repurposed by Tesla
- Tesla's groundbreaking discovery: People can be transformed into cosmic energy and transported from tower to tower as lightning

Station building:

- L-shaped building (Total area: 1.600 m²)
- Main waiting area, Virtual Line, Single Rider

Gastronomy and merchandising in Croatia themed area:

- Ice cream parlour ‘Sunce i Lavanda’

- Imbiss Ćevapčići Snack
- Shop ‘Suveniri Nikola’

Miscellaneous:

- Augmented reality feature in the Europa-Park & Rulantica app: Users can accompany Nikola Tesla on a mission and solve puzzles. The goal: to successfully start up the virtual rollercoaster!

