



# CASE STUDY

## READY CHAIN<sup>®</sup> FOR AMUSEMENT PARK

### APPLICATION OVERVIEW:

ReadyChain<sup>®</sup>: pre-harnessed cable carriers with cables. Rugged, safe and UV resistant for amusement park rides

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### Rugged, safe and UV resistant

### Pre-assembled cable carrier system for amusement park ride

### Cable carrier system for white-water ride

The need for fairground rides to be reliable is key above all else. The passengers of this "Wild 'n' Wet" white-water ride are transported to the starting point at the top by an elevator over 65-feet high in the air. The elevator is moved by a drive system that rotates. Two moving platforms carry nine gondolas.

Power was supplied to the motors and hydraulic units on the two platforms by two rugged and reliable, made-to-spec igus<sup>®</sup> cable carriers (E4/4 type, Series 3838).

Demands on the facility are high. All parts of the elevator are permanently exposed to wind and weather. Additional centrifugal forces act upon the component parts due to the 180° rotation.





### **Resistant to wear despite heat, frost and water**

The pre-harnessed ReadyChain® cable carrier system needs to withstand conditions ranging from extreme heat to frost. Even when it doesn't rain, the elevator gets continuously wet from the white-water ride.

In the "Wild'n'Wet" elevator two cable carriers run in guide troughs, which guide them during the rapid upward, downward and rotational movements.

### **Ready-to-install ReadyChain®**

The ReadyChain® concept quickly convinced the elevator manufacturer. With ReadyChain®, igus® is assigned all the procurement logistics, from the purchase of all essential special parts to the safe, efficient delivery of the ready-to-install system on a fixed date.

There is a number of reasons to opt for a pre-assembled cable carrier system in mechanical and plant automation. Manufacturing costs, sources of error and project planning costs are reduced, whilst reliability is increased.

### **More product information**

[E4/4 type, Series 3838](#)

[Overview of Chainflex® cables](#)

[Overview of ReadyChain®](#)

### **More application examples from different industry areas**

[Energy Chain® cable carrier application examples](#)