

3 in 1 for Helsinki

The Atlantisilta Bridge, which is scheduled for completion this year, will connect the new neighborhoods in Jätkäsaari with the West Terminal and make traffic flow more smoothly. Cruise ships will moor at the newly built West Terminal in the future.

The bridge is a combination between a railroad and a vehicle bridge. The two lanes for rail traffic are arranged in the center of the bridge and the two lanes for vehicles outside each. Due to this design, a very special expansion joint was required. The expansion joint had to be designed for both the rail tracks and the vehicle traffic, as well as for the passengers of the cruise ships.

In order to meet these special requirements, SCHREIBER has designed a roadway crossing that combines all requirements in one joint, the 3 in 1 joint was created. This type of joint meets the requirements of railroad construction as well as the high demands on noise protection from road traffic. With a joint length of over 35 meters, these joints are also particularly long.

The entire project was planned using BIM (Building Information Modeling) to ensure a smooth process. For this purpose, SCHREIBER engineers were able to adapt the entire data for all components and all processes during installation to the project with pinpoint accuracy.

