Finland Bridge Construction



Overview

Finland's longest and tallest bridge opens | New Civil At 1.2km in length, the crossing is the longest bridge in Finland and features the country's tallest.

Key Takeaways

Helsinki's Kruunuvuori Bridge, part of the Crown Bridges project, is Finland's longest and tallest bridge, designed exclusively for trams, pedestrians, and cyclists. Overview of the ProjectThe Crown Bridges project in Helsinki is a major infrastructure initiative connecting Laajasalo, Korkeasaari, and Kalasatama to the city center at Hakaniemi. It includes the construction of the Kruunuvuori Bridge and the Finke Bridge, along with associated light rail, pedestrian, and cycling routes.

The project aims to enhance sustainable urban mobility and improve connectivity across the city's archipelago.

Kruunuvuori Bridge

Length: 1,191 meters, making it Finland's longest bridge. Height: Central diamond-shaped pylon reaches 135 meters, the tallest bridge structure in Finland. Design: Composite cable-stayed and beam bridge with a concrete deck and a main span of 260 meters.

Usage: Exclusively for trams, pedestrians, and cyclists; no passenger vehicles are allowed. Clearance: Main boat passage under the bridge has a height of 20 meters and a free width of 30 meters. Service Life: Designed for up to 200 years, with durable load-bearing structures.

Recognition: Awarded Concrete Structure of the Year 2025 for its innovative engineering and construction.

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Finke Bridge

Length: Approximately 293 meters, width 18 meters. Design: Continuous tensioned concrete beam bridge with six intermediate supports. Clearance: Underpass height of 6.

9 meters and a free width of 20 meters. Purpose: Connects Kalasatama to Korkeasaari, supporting public transport, cycling, and pedestrian traffic.

Construction and Timeline

Pedestrian and cyclist access: Kruunuvuori Bridge opened on 18 April 2026, ahead of schedule, attracting over 50,000 visitors during the opening weekend. Tram services: Expected to begin in early 2027, with tram driver training scheduled after handover in summer 2026. Project execution: Managed by the Crown Bridges Alliance, including the City of Helsinki, YIT Infra Oy, Kreate Oy, and other engineering firms.

Environmental considerations: Low-emission materials and renewable energy sources were used, with a total construction carbon footprint estimated at 129,000 tonnes of CO_2 equivalent.

Significance

The Crown Bridges project is exceptional globally because it prioritizes sustainable transport modes and integrates advanced engineering for long-span, high-pylon bridges. It permanently reshapes Helsinki's urban geography by bringing Laajasalo closer to the city center and enhancing cross-city connectivity. The project also demonstrates Finland's expertise in marine construction, concrete engineering, and large-scale infrastructure management.

Article Content

Finland''s longest and tallest bridge opens | New Civil

At 1.2km in length, the crossing is the longest bridge in Finland and features the country''s tallest bridge structure. Construction began in late 2021,

Kruunuvuori Bridge reaches completion in Helsinki

The Kruunuvuori Bridge – the longest bridge in Finland, and one of the world''s longest bridges designed solely for public transport, pedestrians and

Helsinki''s new landmark and Finland''s longest bridge,

Helsinki, 20 April 2026 – The new Kruunuvuorensilta bridge, connecting Korkeasaari and Kruunuvuorenranta, is the longest and tallest bridge in Finland. It is also

How Finland''s longest and tallest bridge is being constructed to ...

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The 1.19km-long Kruunuvuori Bridge being constructed on behalf of Helsinki City Council to link the islands of Laajasalo and Korkeasaari will be integral to their enhanced connectivity to the

Kruunuvuorensilta, the new icon of Helsinki

The new Kruunuvuorensilta bridge connecting Korkeasaari and Kruunuvuorenranta is the longest, tallest and longest-standing bridge in Finland

Crown Bridges

The Crown Bridges (Finnish: Kruunusillat, Swedish: Kronbroarna, Kronobroarna) are three bridges in Helsinki, Finland, creating a new tram link and cycle path to the

About the project

The Crown Bridges Light Rail will connect Laajasalo, Korkeasaari and Kalasatama to Hakaniemi in 2027. It will also provide a new seaside route for cyclists and pedestrians.

Kruunuvuorensilta, Finland''s longest, tallest bridge, set

Built using advanced concrete technology and stainless steel reinforcement, Kruunuvuorensilta is designed for a 200-year lifespan, meaning

Crown Bridge showcases YIT''s capability to deliver

Set to become Finland''s longest and most technically ambitious bridge, the Crown Bridge has been awarded the Concrete Structure of the Year

Bridge construction with decades of experience | YIT

In connection with the Crown Bridges tramway, five bridges will be built or repaired, such as the longest bridge in Finland, Kruunuvuori Bridge, which has a service life requirement of 200 years. One

Finland''s Tallest Bridge Takes Shape with 135m Pylon

The bridge''s cable-stayed spans, each 250m in length, will be supported by the slender diamond-shaped pylon, ensuring both strength and aesthetics.

Kruunusillat Helsinki, Finland''s tallest bridge

Kruunuvuorensilta photos: Aarni Salomaa Structural milestone reached on Finland''s tallest bridge as distinctive 135m diamond-form pylon

Kruunusillat Helsinki, Finland''s tallest bridge

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The Kruunusillat (Crown Bridges) project connecting Helsinki''s city centre with the new island suburb of Laajasalo has completed its centrepiece A significant milestone has been reached

The Biggest Bridge in Finland: The Crown Bridges

The Crown Bridges Light Rail project (Kruunusillat) in Helsinki aims to improve transportation and create new connections with the innovative use of

About the project

The contractors for the overall Crown Bridges contract are YIT Infra Oy and Kreate Oy. Kruunuvuorensilta-bridge is designed by WSP Finland Ltd and Knight Architects Ltd. Objectives The

Kruunuvuori Bridge reaches completion in Helsinki

The longest bridge in Finland, and one of the world''s longest bridges designed for public transport and pedestrians, has opened in Helsinki.

New Kirjalansalmi Bridge Opens to Finland Traffic

The Kirjalansalmi Bridge, Finland''s longest road bridge by clear span, has officially opened, marking a major milestone in the country''s transport infrastructure. Commissioned by an

Kreate and YIT to build the longest bridge in Finland:

It comprises the construction of Kruunuvuorensilta bridge between Korkeasaari and Kruunuvuorenranta and the Finkensilta bridge between Nihti and Korkeasaari.

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