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San Carlo Boromeo Church, Brusio

Restoration

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Starting situation and idea

Widening cracks in the cupola worried the congregation. An analysis conducted by Fanzun revealed that the roof truss was incorrectly altered during renovation in the 1960s. The resulting horizontal stresses split open the external masonry.

Challenges

The slender, tall nave stood without any visible struts in the interior. The congregation and the conservation authority therefore wished to neutralise the horizontal forces in the roof truss, which was a big challenge.

Approach

After restoring the roof truss, a three-dimensional steel frame was installed to hold together the two longitudinal facades and absorb the horizontal strain. The wooden roof truss was replaced, and the façade restored. The mural in the main entrance of the church was also restored.

Developer: Kirchgemeinde, Brusio
Completion: 2001
Project type: Restoration
Project author: Fanzun AG
Construction costs: CHF 1,3 Mio

Fanzun AG Architekten · Ingenieure · Berater
Ganzheitlich entwickeln, gestalten und realisieren.

Wir erwecken Ideen zum Leben.

Salvatorenstrasse 66
CH-7000 Chur

Birmensdorferstrasse 108
CH-8003 Zürich

Cho d'Punt 57
CH-7503 Samedan

Stradun 210
CH-7550 Scuol

+41 58 312 88 88
fanzun.swiss