

## Humboldt-Gymnasium stairway, Trier (GER)

project **Demolition and reconstruction of the existing heritage-listed stairway of the Humboldt-Gymnasium in Trier** client **City of Trier (GER)** complete architecture services **WW+, Esch-sur-Alzette/Trier (LUX/GER)** structural engineering **Ing. Büro Robert, Trier (GER)** ufa **50 m<sup>2</sup>** net construction cost **120.194 €** start of planning **06/2014** realisation **04/2015 - 10/2015**

### Design concept

In collaboration with the Denkmalpflegeamt (Office for the Preservation of Historic Buildings and Monuments) of the City of Trier, the existing stairway of the Humboldt-Gymnasium in Trier was demolished and reconstructed in compliance with historic preservation guidelines.

The stairway features two self-supporting flights of stairs and an entrance landing. The construction consists of exposed concrete cantilever arms and stairway beams, which support the static loads independently of the existing building. The treads and landing are individual precast concrete elements with basalt fibres that have been placed on top of the substructure.



