

Project

NEW LEARNING & DEVELOPMENT CENTER INFRABEL

liege@greisch.com

OTHER PROJECTS :

Architects

CANEVAS, ARCHITECTES ET INGÉNIEURS

Address

Dubois Thorn 105, 1080 Molenbeek-Saint-Jean

Programme

This project responds to the need of the railway infrastructure manager to centralise its training courses within a theoretical and practical learning space with a new strong and attractive identity. The building includes: a large multi-purpose hall, a cafeteria, 40 classrooms, changing rooms, sanitary facilities, a flex office for 50 people, a workshop dedicated to practical training and outdoor didactic areas (catenaries, tracks, signalling, etc.).

About

A major technical challenge was met by installing the Infrabel Academy over three metro tunnels, which involved detailed vibration and acoustic studies. In addition to the use of lightweight construction solutions, the addition of intra-metro columns was necessary to transfer the forces to the existing tunnel invert. Guided by the narrowness of the site and the location of the longitudinal façades in line with the moulded walls of the metro, the building's volumetry, crowned with sheds, is in keeping with an appropriate industrial typology.

The façades, clad in natural aluminium-coloured ribbed sheet metal, are punctuated by vertical metal sunshade slats that play with the light and create an interior-exterior tension that varies according to the movement, offering views that are sometimes open and sometimes exclusively silver. The roof, covered with a green roof, is treated as a fifth façade; it harmoniously integrates the technical volumes and the glazed sheds at the right of the atriums under a light metal framework.

Energy renovation of the boarding school of the Polytechnic of Verviers
- 2017-2018 2020
- Verviers

Typology

Education

Status

Built

Conception

2016-2018

Delivery

2020

Client

TUC RAIL pour le compte d'Infrabel

Total budget

22 500 000

Per square meters

2010

Area

4940

Stability

bureau Greisch

Special techniques

bureau Greisch

Acoustic

bureau ATS

Landscape

LAN

Others

Objects Projects (Textile designer)



Interior view of the "theoretical part" entrance
Â© Ulrich Schwarz



View of the north atrium
Â© Ulrich Schwarz



View of the site from the Gare de l'Ouest
 Â© Ulrich Schwarz



North elevation, Beekkant side
 Â© Ulrich Schwarz



External view of the entrance on the Rue Dubois Thorn side
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