



Client: WaltGalmarini AG

Location: Valbella, Switzerland

Involvement of AEE: Structural Design

Design Status: Construction Completed



Valbella is a B+G+2 story residential building located in a mountainous area at Valbella where there is high frost action. The structural system consists of reinforced concrete slabs and shear walls with the slabs supported by walls on one side and cantilever on other sides. The irregularity in the position of the walls posed a design challenge. However careful modeling of the structure was undertaken using SOFiSTiK. Ultimate Limit State and Service ability Limit State were checked for various load combinations including earthquake action and wind loads.

