



# RAHOVEI 20, CLUJ-NAPOCA, ROMANIA

**Slope Stability**

# Rahovei 20, Cluj-Napoca

## Slope Stability

**Project** Rahovei 20, Cluj-Napoca  
**Location** Cluj-Napoca  
**Country** Romania

**Year of installation** 2013

**Customer** Private customer  
**Engineering** Zenith Proiect and Consulting  
**Contractor** S.C. MAVO Transilvania S.R.L.

**Initial situation** This 7 to 8 meters high slope was cut in order to build a private house. Due to the geotechnical data, the slope should have been stable at 40 degrees and up to 4.9 m. When the owner installed the pipes for a geothermal pump on top of the slope, the slope began to fail.

**Description** Geobrugg designed and delivered a complete protection system. The solution was a standard soil nailing together with GREENAX® mesh. A total of 229 m² were stabilized using 40 soil nails R32. They were installed in the pattern of 2.50 x 2.20 m.

**Protected object** Building

**Corrosion protection** GEOBRUGG SUPERCOATING

**Geology** Silt and clay.

**Stabilized area** 229 m²

**Maximum slope height** 8 m  
**Slope inclination** 30 ° - 46 °

**Erosion control mat** Yes  
**Exposition**

**For questions please contact our Geobrugg specialist at your side**

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