



SCHWIEBERDINGEN, ALMANYA

Şev ve Yamaç koruma

Schwieberdingen

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Proje

Schwieberdingen

Yer

Schwieberdingen

Ülke

Almanya

Kurulum Yılı

2016

Müşteri

Private

Mühendislik

Henke und Partner GmbH, Ingenieurbüro für Geotechnik

Yüklenici

Bramm Bau GmbH

Durum

The apartment house Holdergasse, in Schwieberdingen (near Stuttgart) was built in a former stone quarry in the second half of the 20th century. At that time, the stone walls were in a good condition. The first rockfalls occurred some years ago, caused by weather conditions. Extremely loud impacts from rocks concerned the residents.

An initial assessment by the *Henke and Partner* in Stuttgart, showed that a full area support was necessary. At the customer's request, different measurements were evaluated. The comprehensive search for suitable solutions took about two years. The solution proposed by Henke and Partner including TECCO® SYSTEM³, proved to be the most logical and economical application.

Açıklama

The rock wall was divided into various areas of protection such as steep rock faces, overhanging formations, layered rocks with covered with loose soils . Due to the tightness in some areas between the building and the rock face, a suitable solution had to be found here as well.

According to the dimensioning using RUVOLUM® software high tensile steel mesh type TECCO® 65/2 proved to be the most economical solution.

In some areas with overhangs, shotcrete filling had to be planned. The areas with loose rock were additionally covered with the anti-erosion protection mat TECMAT®. Areas where the distance to the building was less than one meter, extra lacing was implemented.

After completion, the initially skeptical residents were enthusiastic about the good adaptation to the terrain. The work was carried out by the company Bramm Bau GmbH.

Gösterilen obje

Building, Mine / Quarry

Kurulan diğer uygulamalar

Madencilik / Tüneller

Korozyon koruma

GEOBRUGG SUPERCOATING

Jeoloji

Shell limestone

Dengelenen alan

700 m²

Maksimum eğim yüksekliği

40 m

Eğim meyili

30 ° - 90 °

Konulandırma

South-West

Sorularınız için yerel Geobruigg uzmanınızla iletişime geçiniz

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