

Rock face monitoring

Automatic geodetic and geotechnical monitoring



📍 Stalvedro, Switzerland
👤 Federal Roads Office
FEDRO
🕒 2015 - 2018

Expertise

TEDAMOS

As part of the reconstruction work on the A2 motorway in Southern Switzerland, the Stalvedro tunnel is expanded to accommodate a third north-bound lane. The new emergency lane allows better access for rescue vehicles in case of a traffic jam. As the rock cliff over the tunnel's north portal is secured, automated geodetic and geotechnical monitoring measurements are required.

Our services

- ◆ Planning, installation and operation of the automated measurement systems
- ◆ Automated geodetic monitoring (total station)
- ◆ Automated geotechnical monitoring (crack meter)
- ◆ Automated alerting system at threshold exceedance: text message, siren, warning light
- ◆ SwissMonitor Web online portal