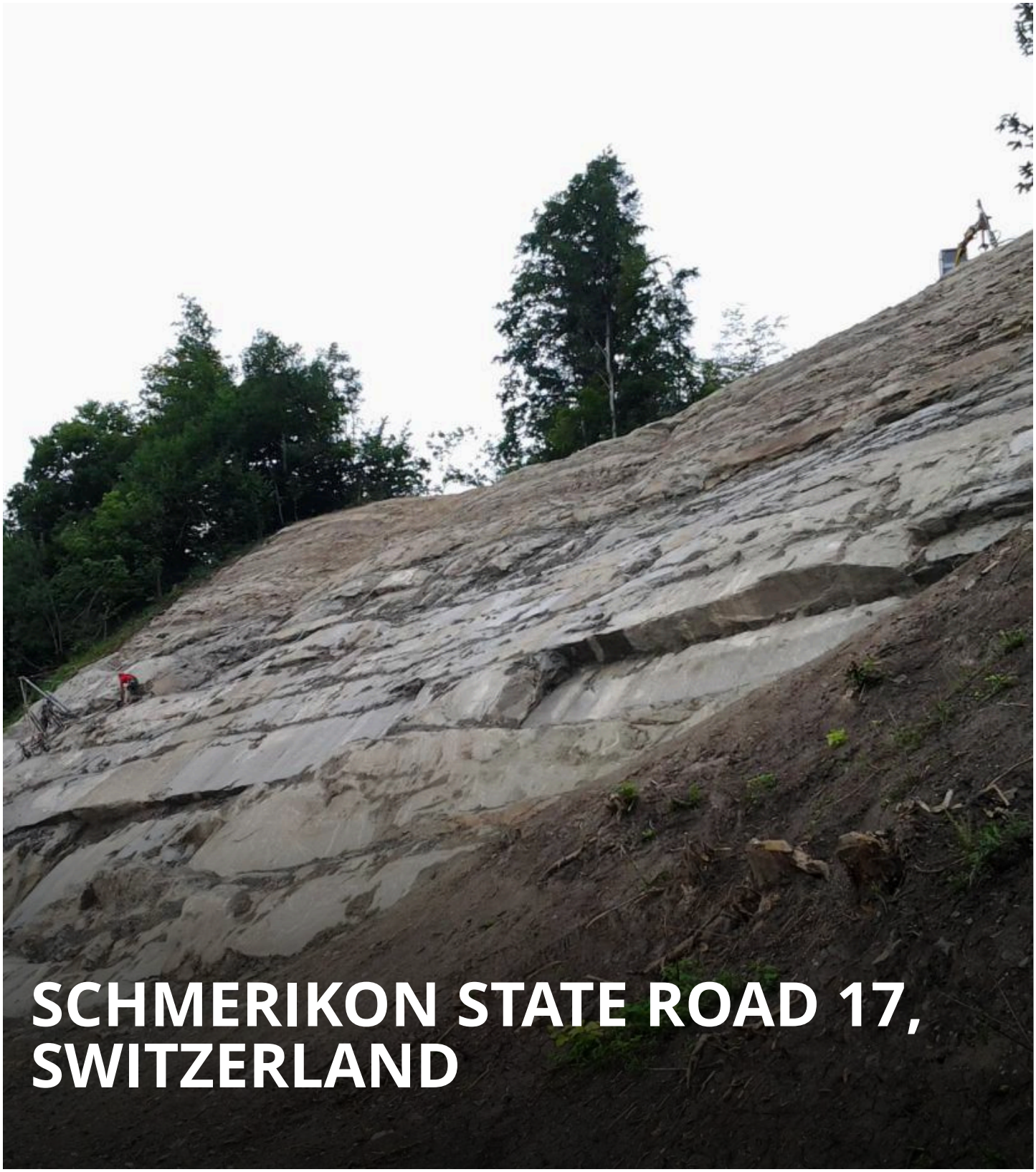

SCHMERIKON STATE ROAD 17, SWITZERLAND

Slope Stability

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Safety is our nature

Schmerikon State Road 17

Slope Stability

Project	Schmerikon State Road 17
Location	Schmerikon
Country	Switzerland
Year of installation	2013
Customer	State Department for Underground Engenieering, Canton St.Gallen
Engineering	Dr. A. Gübeli AG, Jona, Switzerland
Contractor	Oberholzer Bauleistungen Inc., Neuhaus, Switzerland
Initial situation	In the first days of June 2013 heavy storms and intense rainfall hit the region of the upper lake of Zurich. Due to saturation of the ground and instable geological conditions, a landslide buried a long section of heavily travelled commuter roadway and railway along the lake. This landslide caused complete closure of the infrastructure.
Description	The department for underground construction initiated re-establishment and sustainable prevention of future similar incidents a few days later. To reach a quick decision and accelerate the construction, the department quickly involved local and regional partners. Solutions discussed were rockfall barrier, manifold, or anchored TECCO® System the most favorable and ultimately chosen solution. The upper slope section (marl) was protected and stabilized using a nailed mesh. The lower sandstone/ siltstone section was covered with a drape to ensure that falling debris is kept close to the slope while being guided and deposited to the ditch.
Protected object	Road, Railway, Infrastructure
Corrosion protection	GEOBRUGG SUPERCOATING
Geology	Top Section: weathered marl Bottom section: weathered sandstone / siltstone
Stabilized area	2000 m²
Maximum slope height	30 m
Slope inclination	35 ° - 55 °
Exposition	North

For questions please contact our Geobrugg specialist at your side

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