Rockfall protection of Shëngjin – Baks-Rrjoll Road

Margjonaj,Lezhe, Albania



barrier installed

TYPE OF PROJECT	YEAR OF CONSTRUCTION	CLIENT	CONTRACTOR	DESIGNER
Dynamic Rockfall Barriers	**2026**	**Garden Line Shpk**	**Gener2 Shpk**	**EraldG**

PROD. RELATED

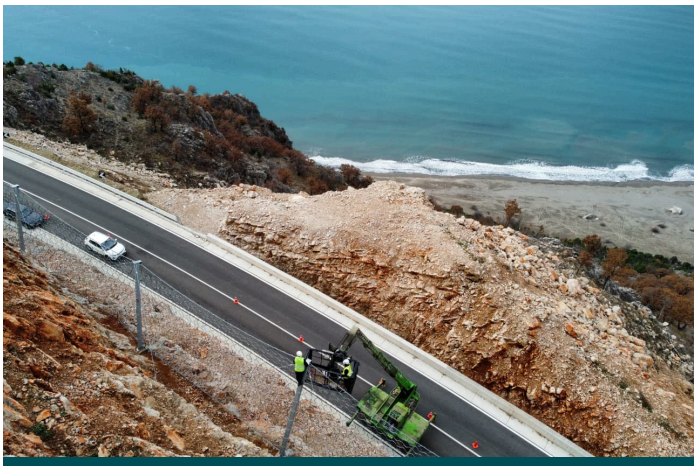
Rockfall Barriers (RB750, H=3.5m, 735m2 - RB2000, H=5.0m, 1150m2 - RB3000, H=6m, 120m2), Netting (DTNET GL 8X10 D27 3X50 20000m2)

Challenge

The Rehabilitation of the Shëngjin – Baks-Rrjoll Road is a 13 km infrastructure project located within the municipalities of Shkodër and Lezhë. The road is situated along the Adriatic seaside and passes through mountainous terrain affected by rockfall risks. The project includes excavation works, embankment filling, construction of new structures, subbase and base layers, and the paving of new asphalt layers along the entire road segment. Additional works involve the installation of modern road safety measures, including vertical and horizontal signage and guardrails. The rehabilitation will improve connectivity along the coast, increase road safety, and support tourism development and new investments in the area. The project is financed by the European Bank for Reconstruction and Development.



during installation



during installation

Solution

As part of the rehabilitation works for the Shëngjin – Baks-Rrjoll Road, special protection measures are being implemented to address the rockfall hazards affecting the mountainous seaside terrain. The proposed solution includes the installation of rockfall protection barriers with different energy absorption capacities of 750 kJ, 2000 kJ, and 3000 kJ, designed according to the varying risk levels along the road alignment. In total, approximately 2,000 m² of rockfall barriers will be installed to improve road safety, protect road users, and ensure the long-term stability and reliability of the infrastructure corridor.



during installation



barrier installed



barrier installed



barrier installed

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