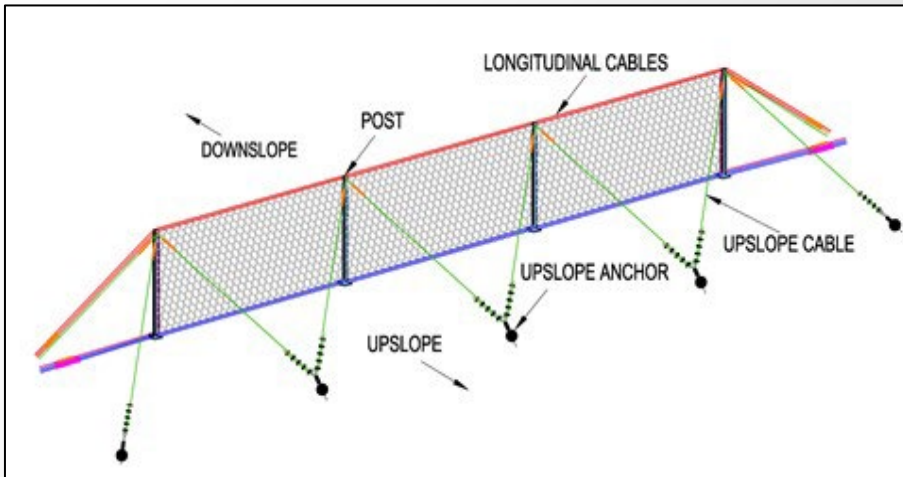
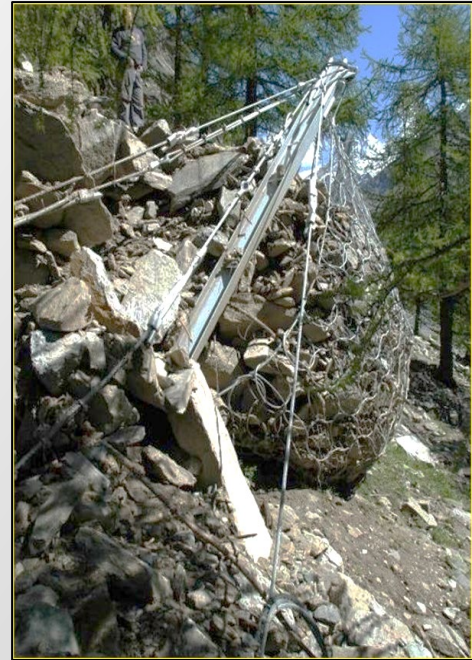
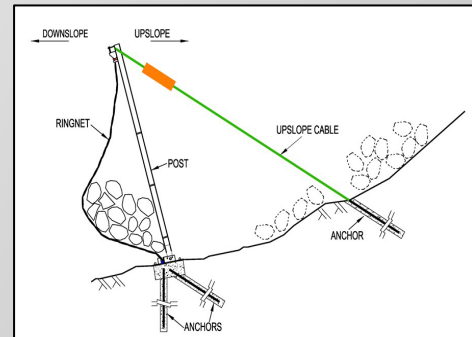


Flexible Barrier

Rockfall protection barriers have been implemented since the early 90's following the casualty on the Tuen Mun Highway. The barrier is a steel catch fence consisting of a complex design of a metal frame, steel cable, ring net, wire mesh, and an energy-dissipation device. It is a passive system that focuses on containing, intercepting, or diverting falling boulders and sliding debris, thereby averting danger to infrastructures and properties in the vicinity.



The barrier is typically anchored at a specific location upslope of target protection areas using a soil nail, rock dowel, or mini pile. It is supplied as a system with individual components that can be assembled on site.



G and E introduced the RMC Flexible Barrier to Hong Kong in 2009. Since then, we have commissioned over 63 projects totaling over 15.9 km of slope mitigation for the Government, private developers, institutions, and property owners.

Characteristics of the Rockfall Barrier

- Certified performance under the EU European Assessment Document
- Full-scale testing with a test block, dropped from a height of up to 33m
- Impact energy absorption to relieve load
- Up to 7 m tall and long length
- Heavy-duty galvanized steel member
- Real-time incidence monitoring system



Our Services

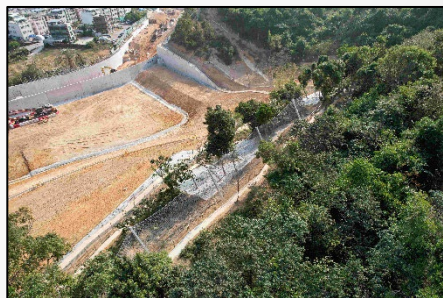
- Design of flexible barrier system
- Design of anchoring system
- Provision of a checking engineer
- Provide professional indemnity insurance
- Supply and installation contracting
- Technical support and testing
- Maintenance and monitoring

Our Experiences

While most of the work centers on slope mitigation under GEO and CEDD, the RMC system is well accepted by HyD, ArchSD, MTR, and the private sector, as well as housing, hospital, school, and hotel development projects.



LPMit 2017, Tai O, GE/2021/19, January 2025



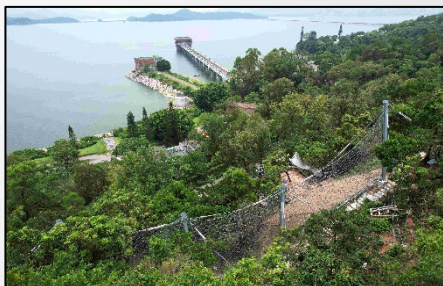
*Site Formation at Cheung Muk Tau
CV/2023/09, February 2026*



*Desalination Plant at TKO
13/WSD/17, August 2023*



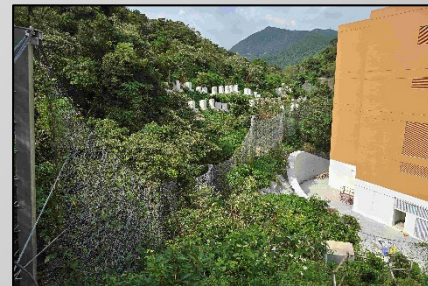
*LPMit 2015, Stubbs Road
GE/2020/06, February 2026*



*LPMit 2014, Tai Po
GE/2020/20, July 2025*



*PHD at Chung Nga Road West
HKHA20220449, February 2026*



*HKIS Activities Center
September 2025*



*Tung Chung New Town Extension
NL/2020/05, August 2023*



*PHD at ex-Mount Davis Cottage Area
SD/2022/01, April 2025*



*Columbarium at On Hing Lane
SS J510, May 2025*