香港多雨、多山、人口稠密,山泥傾瀉對公眾構成相當程度的風險。香港 亦有一段惨痛的山泥傾瀉歷史。自1977年起,改善斜坡安全一直是 - 力工程處的重要工作目標。經過多年的努力,我們已成功降低香港的

可是,極端天氣近年在世界各地帶來不少山泥傾瀉災害,釀成重大傷亡和 其他嚴重後果的山泥傾瀉。因此,我們需要繼續防治山泥傾瀉的工作,提高 抗災能力以應對極端天氣的潛在影響。



1948年至2014年因山泥傾瀉而死亡的人數



「長遠防治山泥傾瀉計劃」成效顯著,

图 到技術透過為土體加上鋼筋及灌漿增強泥土抗剪力。自90年代起,我 們已廣泛應用泥釘來鞏固斜坡及擋土牆。其優點包括

為30幅有風險的 **F然山坡進行研究及施行** 必需的風險緩減工程

我們利用先進的三維電腦模擬 協助設計防治山泥傾瀉的方 及研究嚴重山泥傾瀉。





我們於半山區寶珊地段 水隧道結合172條排水豎管



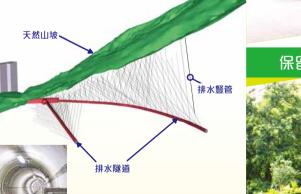
」應用各種創新的技術去減低山泥傾瀉對公眾

長度和水泥漿的質量,確保施



來提高山坡的穩定性, 榮獲工程創意獎項。

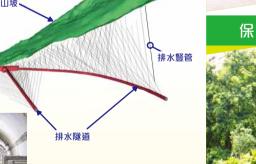
天然山坡山泥傾瀉的泥石。這種 防護網更能融入自然環境 進一步減少對環境的影響。

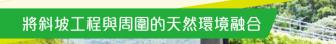






















防治山泥傾瀉計劃的順利進行有賴市民的支持。我們會 繼續用心聆聽你的意見。

如欲查詢更多有關「長遠防治山泥傾瀉計劃」的資料 請瀏覽「香港斜坡安全網頁」

You may visit the Hong Kong Slope Safety Website for Mitigation Programme.









電話 / Hotline : 1823



Concerted efforts in slope safety Enhanced resilience against landslides



Landslip Prevention and Mitigation Programme







The Geotechnical Engineering Office of the Civil slopes and natural hillsides affecting existing facilities. Over the years, we strive to contain the landslide risks in Hong Kong at a reasonably low level.

With its notable achievements, the Landslip Prevention and Mitigation Programme (LPMitP) is hailed as a model by numerous organisations worldwide.

Annual targets



landslide disasters worldwide causing major casualties and economic losses. Landslides with multiple fatalities and dire consequences may occur in Hong Kong if we are hit by extreme rainfall. Hence, we need to continue our work on landslip prevention and mitigation in enhancing the resilience against serious landslides that may be caused by extreme

Notable achievements

Landslide fatalities from 1948 to 2014



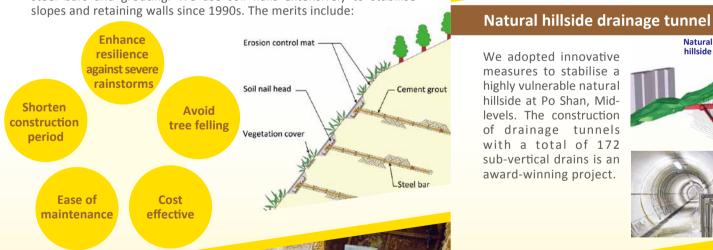
Study and necessary risk tigation works for 30 vulnerable natural hillsides

Time Domain

In 2004, GEO successfully developed TDR as a non-destructive testi method to check the length an grout integrity of soil nails quality control.

Through in-house technical development and introduction of new technology, GEO has been applying a range of innovative techniques to mitigate landslide risk. We have established state-of-

Soil nailing improves the shear strength of the soil mass by means of steel bars and grouting. We use soil nails extensively to stabilise



We have applied flexible barriers i recent years to intercept landslide debris from natural hillsides. Such barriers blend in better with the natural environment and minimis environmental impact.

Preserve old masonry walls and wall trees of heritage value

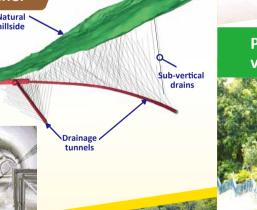
We adopted innovative measures to stabilise a levels. The construction of drainage tunnels with a total of 172 sub-vertical drains is an

the-art three-dimensional debri

mobility model to design landslip

mitigation works and to study

serious landslides.





GEO seeks to minimise disturbances of slope



Preserve trees and provide a



Plant native species to enhance the ecology







construction sites clean

We communicate closely with the public through





Public support is vital for the LPMitP to succeed. We will continue to listen to your comments.

土木工程拓展署轄下的土力工程處正推行 「長遠防治山泥傾瀉計劃」, 有系統地持續處理影響 現存設施的人造斜坡和天然山坡,務求將香港的 山泥傾瀉風險長遠控制在合理的低水平。