

Landslide Risk Mitigation

Early Detection and Alerts

Powered by MultiTech

Background

In Malaysia, the state of Pahang has taken significant strides to enhance its disaster management capabilities, particularly regarding landslide risks.

Challenge

By leveraging the capabilities of the **LoRaWAN** gateway, the state government aims to establish a robust monitoring system that can provide real-time data and early alerts, thereby improving community safety and preparedness in areas vulnerable to landslides.

Solution

The **MultiTech IP67 LoRaWAN gateway** is integrated into a Landslide Early Warning System by Meridian 2000 Sdn. Bhd., utilizing Senceive's Wireless Remote Monitoring System. This advanced technology has been strategically deployed across three critical districts: Cameron Highlands, Raub, and Bentong.

Three critical deployment districts:

Cameron Highlands

Renowned for its cool climate and agricultural productivity, Cameron Highlands is a popular tourist destination famous for tea plantations and strawberry farms. The region is characterized by its mountainous terrain, making it particularly susceptible to landslides during heavy rains.

Raub

An area with a rich history of gold mining and is surrounded by lush forests. Its diverse topography includes hills and valleys, which can pose significant challenges in terms of landslide risk, especially during the monsoon season.

Bentong

Known for its hot springs and vibrant agricultural sector. The district features a mix of urban and rural areas, with numerous hills and elevated landscapes.

Benefits

The integration of the MultiTech LoRaWAN gateway in these districts plays a vital role in enhancing safety measures and providing timely alerts to mitigate the risks associated with landslides.



Senceive's
Wireless
Remote
Monitoring
System



Malaysia



MultiTech
Conduit
IP67
Base
Station

