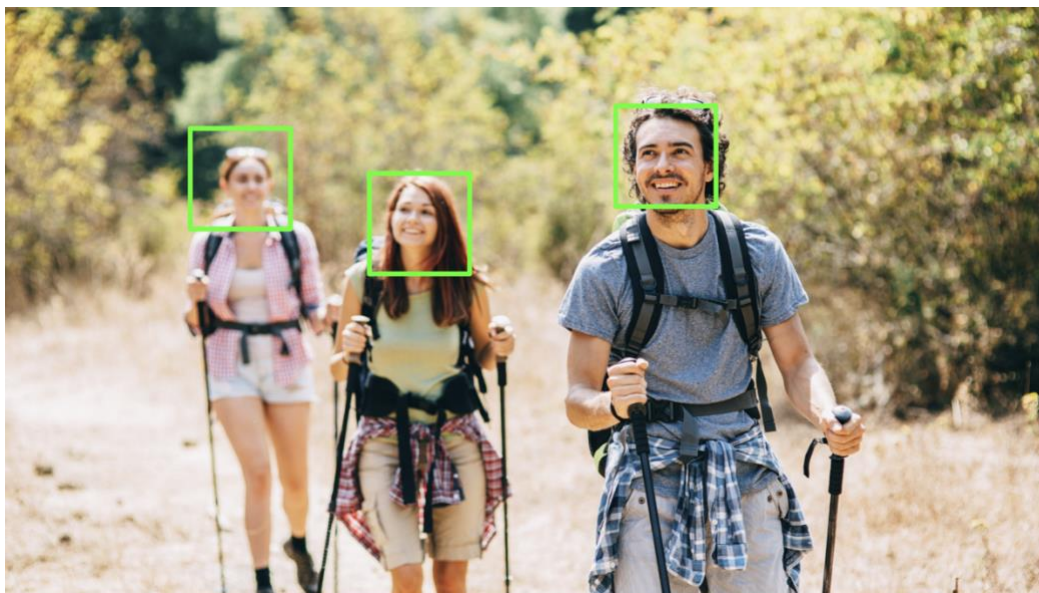項目編號: O-001451

Hiker Protector AI (SOCIF)

用戶痛點

遠足人士在登山效遊時常為探索自然風光而誤入危險區域. 而當中最為常見並致命的個案亦以誤墮懸崖為主. 有見及此, 若能在香港各郊遊熱點中的危險區域部署技術方案, 相信定能為遊人提供更安全的日夜間大自然探索環境.

方案裨益

對用戶個別遠足人士而言, 能因在各險要地方部署了該方案而減少出意外及增加獲及時救治的機會. 對於團體郊遊而言, 能協助領隊提醒誤入危險區域的團友. 對於園區管理者而言, 方案能就所有危險黑點提供 24 小時實時監測.

科技應用

透過在危險區域安裝由太陽能電池板供電的 AI 攝像頭在柱子上, 運用邊緣運算技術, 每 5 秒拍攝相片, 實時分析靠近的遊人並發出聲響警告, 並透過對比前後相片, 估算是否發生墮崖事件, 經 4G 數據/LoRa 傳送數據至後台系統.

目標用戶 （內容只提供英文版）

用戶特徵描述:

The target users would be the general public and the government departments responsible for hikers safety. Normally when it comes to the areas along popular hiking paths which have scenic views, hikers especially the kids and teens, tend to enter into the zone for photo-taking or play around, however, it could be dangerous as these spots could be cliff or slippery. Besides, when it comes to the night-time, even professional hikers would carelessly enter those zones due to the lack of sufficient light. Meanwhile, the government department can leverage on our solution to monitor the potential hiker accidents in real-time.

使用場景和目標:

The proposed locations are the blackspots which usually cause hiking accidents along the popular hiking paths. The application scenarios would be a group of youngsters, friends or a tour group, who hike on the hiking path, and they tend to explore beyond the regular hiking path. When accidents happen unfortunately, the government departments can only learn about the cases relying on delayed phone calls from the victim's families or friends.

The desirable goals would be providing real-time alerts to the hikers while informing the government departments on potential hiker accidents with exact location and evidence photos for timely rescue.