Project Code: O-001425

YamaWatch by MotoNerv (內容只提供英文版)

User Pain Points

Country park authorities struggle with real-time monitoring and management of vast natural areas. Limited visibility leads to delayed responses to emergencies such as wildfires, missing persons, or wildlife intrusions. Inefficient management of visitor flow and campsite occupancy results in overcrowding and decreased visitor satisfaction. Additionally, maintaining cleanliness and ensuring environmental sustainability are challenging due to the vastness and remote nature of these areas.

These pain points hinder effective park management and the ability to provide a safe, enjoyable experience for visitors.

Solution Benefits

YamaWatch by MotoNerv revolutionizes park management by providing real-time, comprehensive monitoring through advanced AI.

Authorities gain unparalleled visibility into every aspect of park operations, from visitor tracking and campsite management to emergency response and wildlife monitoring. This proactive approach enhances safety, optimizes resource allocation, and improves visitor satisfaction. Additionally, efficient garbage management and people flow monitoring promote environmental sustainability.

By empowering park authorities with actionable insights, YamaWatch ensures a safer, cleaner, and more enjoyable experience for the community, fostering a deeper connection with nature.

Technologies Applied

YamaWatch leverages MotoNerv's revolutionary Video-to-Text-to-Insight technology, transforming visual data from drones, CCTVs, and cameras into actionable insights. Unlike traditional rule-based AI with limitations, our technology enables querying of every detail within the video for unlimited use cases.

By integrating multi-model vision AI, we provide real-time people tracking, tent occupancy analysis, wildlife intrusion alerts, and emergency response capabilities. Advanced algorithms detect smoke and fire light for early wildfire alerts. A user-friendly dashboard consolidates data, offering an intuitive interface for park management.

This unique technology creates a comprehensive picture of Hong Kong's country parks, enhancing situational awareness and operational efficiency.

Target Users

User Profile / Persona:

YamaWatch primarily targets government departments responsible for the management, conservation, and safety of country parks. Key users include:

1. Agriculture, Fisheries and Conservation Department (AFCD)
2. Food and Environmental Hygiene Department (FEHD)
3. Hong Kong Police Force
4. Fire Services Department

These departments are integral to maintaining the environmental health, safety, and regulatory compliance of Hong Kong's natural reserves and country parks.

User Scenario and Goals:

Government departments manage the day-to-day operations of Hong Kong's country parks, focusing on wildlife conservation, waste management, public safety, and wildfire prevention.

They conduct regular patrols, monitor environmental conditions, and respond to emergencies. These departments aim to enhance operational efficiency, ensure visitor safety, and protect natural resources.

The extensive network of surveillance cameras installed across country parks aids in monitoring these activities, ensuring compliance with environmental regulations, and providing real-time data for effective decision-making and rapid response.