



RV CONNEX



WOW

WATER SIDE AND OCEAN WATCH

Riding the Waves of Change
Innovative Solutions for Beach Safety

AI-Powered Smart & Safe
Beach Security Systems



WOW

Water Side and Ocean Watch

Experience the future of beach safety with our innovative beach lifeguard system, which combines state-of-the-art sensors, communications, and response tools to keep beachgoers safe and secure.

Our system features an intuitive web and mobile application, as well as a cutting-edge smart pole that provides real-time monitoring of beach and weather conditions.

Trust our advanced safety protocols and emergency response capabilities to keep your beach safe and secure, and take advantage of customizable alerts and user management features to ensure that everyone is aware of potential risks and hazards.

MAIN FEATURES

Surveillance:

With images recorded multiple times per second



Deterrence:

Alert responds to human, while emitting a loud spoken warning and lighting onsite



Warning Systems:

Customize smart early warning systems to protect the public from Tsunamis and other specified hazards



Sensing & AI:

Combine the IoT+sensors system with RVC's AI Analytics for Smart Security Intelligence



CHALLENGES

FACED BY BEACH LIFEGUARDS



Overpopulation:

Lifeguards may not be able to monitor every beachgoer



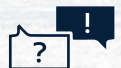
Outdated Safety Systems:

Lacking in necessary features for modern beach safety



Limited Visibility:

Swimmers beyond line of sight may be at risk



Language Barriers:

Difficulty incommunicating important safety information



Unpredictable Weather Conditions:

Rapid changes lead to difficulty in monitoring every swimmer



Limited Resources:

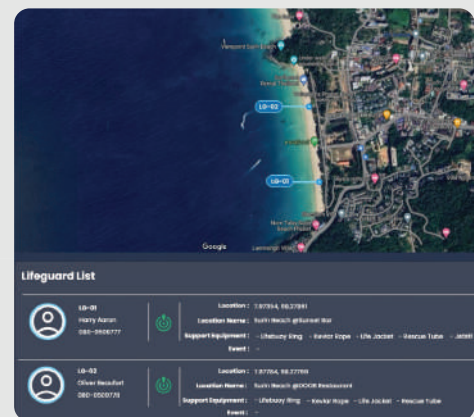
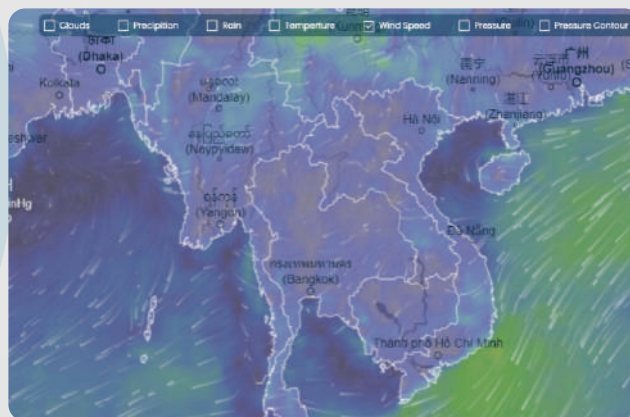
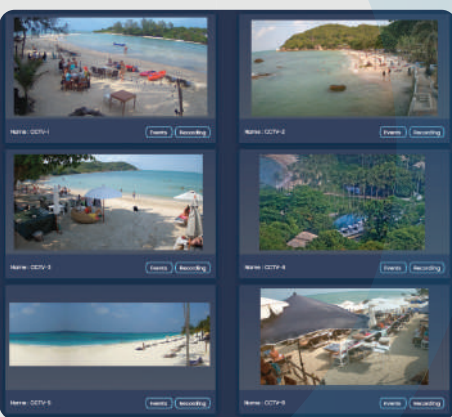
Insufficient manpower on a rescue mission

01

WORKLOAD MANAGEMENT

KEY SOLUTIONS

Designed to support beach lifeguards in their critical role of ensuring beach safety. We provide tools to help them manage their workload, communicate with each other in order to make informed decisions about beach safety and potential hazards.



INTELLIGENT SAFETY BY RVC'S AI ANALYTICS

02

● Object Detection & Video Analytics:

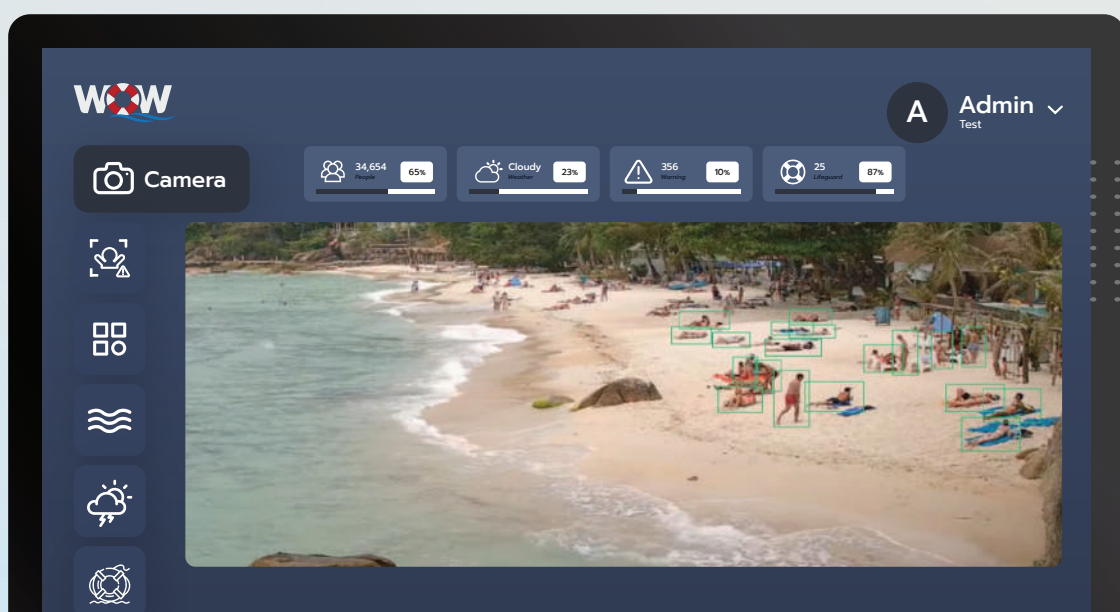
Our video analytics technology uses AI to analyze footage from CCTV cameras, identifying potential safety risks and security threats. At the same time, our advanced object detection technology accurately identifies and tracks objects in real-time, enabling quick response to emergencies, such as people in distress or boats in prohibited areas

● Crowd Management:

Using smart algorithms and real-time data to monitor crowd density, our system identifies potential overcrowding and allows for proactive crowd management, reducing the risk of accidents and injuries

● Predictive Analytics:

AI and machine learning is used to analyze historical data on beach conditions, weather patterns, and beachgoer behavior to forecast potential safety hazards and prevent accidents before they happen

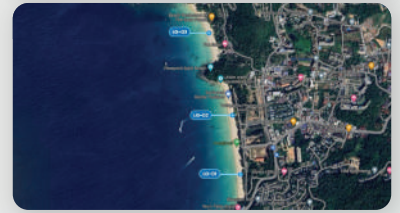
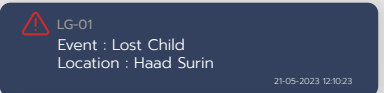


03 REAL-TIME MONITORING

Real-time monitoring of ocean conditions such as water temperature, tide levels, and weather forecasts to prevent accidents and ensure that lifeguards can respond quickly and effectively in emergency situations.

04 EMERGENCY RESPONSE

Make your beach a safer place with our cutting-edge emergency response tools, designed to provide lifeguards with the technology and support they need to respond to emergencies quickly and effectively.



Automated Alerts: AI triggers alerts to lifeguards and security personnel when critical events occur, such as unauthorized entry to restricted areas or water-related incidents, allowing for immediate action to prevent accidents.

05 MOBILE APPLICATION

User Profiles:

Create a personal profile and customise beach and water activity alerts, and other important information



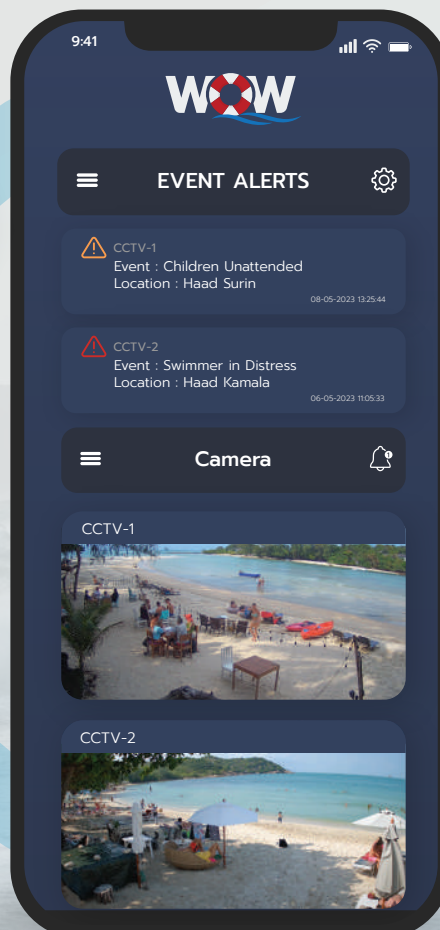
Real-time Alerts:

Receive real-time alerts on your mobile device for emergencies, weather changes, and other important safety information



Multilingual Support:

Access the app in multiple Languages, making it accessible to a wider range of users



Location-based Services:

Get personalized safety information based on your location, including water and weather conditions, safety tips, and emergency contacts



Live Video Streaming:

View live video streams from smart poles and other cameras at the beach, enabling you to stay informed and connected to the action



Beach Weather Forecasts:

Get the latest weather forecasts for the beach, including temperature, wind speed, and other important weather information



ADDITIONAL FEATURES FOR 06 BEACH SECURITY

Emergency
Call Button



Solar
Power



AI-Powered
Lifeguard
Assistance



Public Address
System



Smart
Lighting



360-Degree
Camera



Environmental
Sensors

WEB APPLICATION 07

● Real-time Data Dashboard

Get real-time updates on beach conditions, weather changes, and emergency situations through an interactive data dashboard

● Advanced Analytics

Access advanced analytics tools to help you analyze data on beach conditions, water quality, weather patterns, and other important information

● Customizable Alerts

Set up custom alerts for emergency situations, weather changes, and other safety-related events based on your preferences

● Crowd Monitoring

Monitor crowd density at the beach in real-time to ensure safety and social distancing guidelines are being followed

● Integration with other Systems

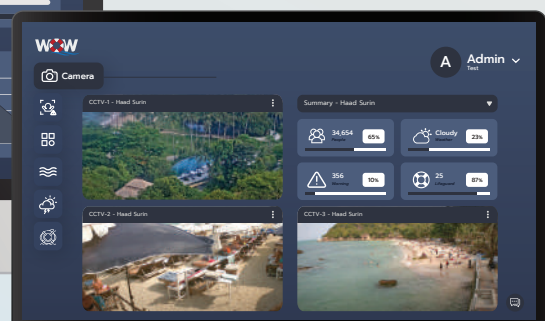
Integrate the web app with other systems such as emergency response services, weather forecasting services, and local government agencies to ensure a coordinated response to agencies

● Beach Safety Reports

Access detailed safety reports for the beach, including water and weather conditions, safety risks, and recommendations for safe beach activities

● User Management

Manage user accounts and access levels, allowing different users to access different features and functions based on their role and responsibilities





WOW: WATER SIDE AND OCEAN WATCH

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