WILDERNESS SENTINEL
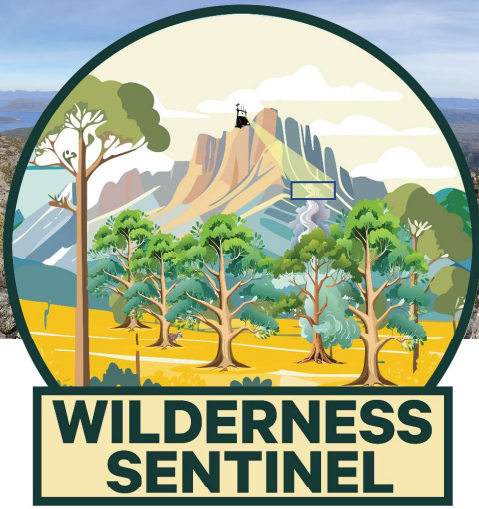
Early Bushfire Detection System

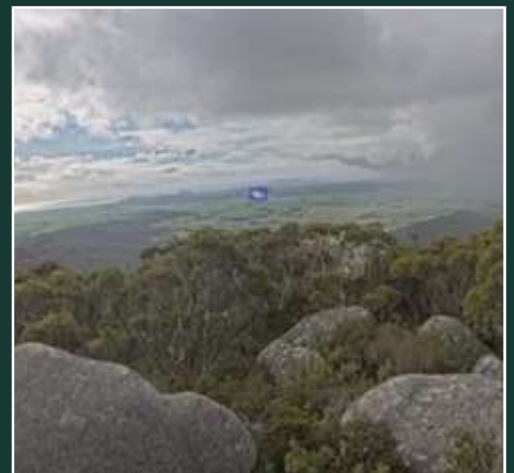## Revolutionising Safety with Cutting-Edge Technology

We are proud to introduce our ultimate solution for wildfire detection and environmental monitoring: a state-of-the-art, remote deployable camera, communications and weather monitoring system designed to detect bushfires at their earliest stages. This innovative self-contained unit is built for rugged, off-grid locations being powered by premium components to ensure continuous operation.
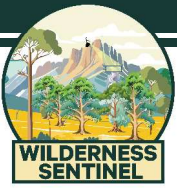
Developed by the Australian company exci, our system harnesses the power of edge-based artificial intelligence to provide real-time situational awareness. It detects smoke indicative of bushfires with unparalleled accuracy directly from the camera. Equipped with multiple high-resolution cameras and advanced sensors, it delivers instant alerts, enabling rapid response to new ignitions and helping to keep bushfires contained. Additionally, it enhances situational awareness for Incident Controllers and Management Teams, ensuring the safety of aviation and frontline staff.

AI-Powered Revolution

- AI Edge Analytics: Leverages advanced AI algorithms to detect fires early, ensuring rapid response and minimizing damage.

- 360-Degree Panoramic Camera: Provides a comprehensive view of the surroundings, capturing potential fire threats from any direction.

- High-Resolution PTZ Camera: Delivers sharp, detailed close-ups of incidents, enabling precise monitoring and quick, informed

Powered By

techquity & **exci**
smoke alarm for the bush

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Versatile Applications

- **Planned Burning Operations:** Enhances safety and efficiency during controlled burns with real-time monitoring and analysis.

- **Early Bushfire Detection:** Identifies potential bushfire threats at their earliest stage, enabling rapid response to prevent large-scale damage.

- **Post-Lightning Landscape Assessment:** Monitors landscapes after lightning strikes to detect and address fire incidents promptly.

- **Incident Management:** Supports comprehensive management and coordination during fire incidents, ensuring effective response and optimal resource allocation.

- **Data Integration:** Seamlessly integrates with your preferred dashboard solutions for streamlined monitoring and analysis.

- **ASB-D Flight Monitoring:** Tracks nearby aircraft to ensure aerial safety and coordination during fire incidents.

- **Customisable Solutions:** Tailored to meet a wide range of needs, with additional features available upon request.

Forward Command Trailer

Patent Pending

By integrating a LoRa gateway, this advanced monitoring system extends its communication capabilities, enabling seamless connectivity with deployed field sensors across vast distances. With a range exceeding 40 km, the network ensures wide-area coverage, making it highly effective for monitoring planned burns and maintaining control over large, remote areas.

Our early AI-powered bushfire detection system is ideal for protecting critical landscapes, wildlife habitats, and natural resources. It is the perfect choice for proactive land and asset management.
Invest in cutting-edge AI technology to safeguard our planet and ensure a safer, more resilient future!