

ARGONAUT

ANTI-POACHING AND WILDLIFE DETECTION

When it comes to wildlife data collection, researchers and conservationists face some important and interesting challenges. Their investigations analyse the movement and behaviour of over 90,000 threatened species worldwide, and their efforts are spread over large areas of land and water, often requiring a lot of time, patience and luck. Traditional camera traps are a popular choice however are limited by high rates of false detection and offline manual data processing.

Poaching is a persistent problem threatening the survival of endangered species globally. It is impossible for rangers on foot to patrol every inch of vast protected areas, with reported threats being investigated up to 2 hours after sighting. Current camera solutions often suffer under the harsh outdoor environment, from exposure to wildlife and to having little access to power and connectivity; this means utilising AI technology is not an option for many.

A NEW SOLUTION: Integrated Argonaut Wildlife Solution

Argonaut brings the latest in deployable AI technology to even the most remote areas with limited infrastructure. With tailored power, connectivity, design (dust, heat, insect protection) and camouflage options, users can place their cameras wherever is most appropriate for them, regardless of terrain and cellular coverage. Argonaut integrates with other devices, such as rovers and drones, into a flexible wildlife solution tailored to your needs.

Cerebella® is the mission management platform that brings together these resources. When a potential threat or species of interest is detected, a real time alert will be sent via Cerebella.

Coordinate your resources to respond, whether you have a guard patrolling nearby that can take a closer look or need to task a drone to fly to the far side of the park. The Integrated Argonaut Wildlife Solution empowers teams to proactively investigate to stop poachers in their tracks before they can harm the animal.

HOW DOES IT WORK?

1. **Customise your plug-and-play package** - integrate with partner devices and tailor algorithms to your needs
2. **Set up assets in locations of interest**
3. **Receive real-time alerts** e.g. unauthorised vehicle approaching high risk area, giraffe detected
4. **Task appropriate assets to investigate**

BENEFITS

- Ability to respond proactively and promptly through real-time alerts through one screen
- Dynamic, configurable detections (e.g. search only for giraffes or elephants, unauthorised vehicles)
- Monitoring over large remote areas where it was previously impractical to do so
- Scalable, extensible and modular open architecture plug-and-play solution - no fear of technology lock-in with flexible upgrades

