



Savannah Tracking

Wildlife Tracking Solutions





About Us

Savannah Tracking Ltd. was established in 2008 in Kenya and expanded to British Columbia, Canada, in 2022. Savannah Tracking exclusively provides advanced tracking technology and IT solutions for wildlife research, management and conservation projects.

We develop all bespoke electronic components and software for our tracking systems inhouse. The company comprises Behavioral Scientists, Software, Hardware, Electronics Engineers as well as Workshop Technicians.



Focus

Savannah Tracking aims to innovate and provide affordable, customized wildlife tracking systems. We work closely and collaborate with leading animal researchers, government institutions, and NGOs.

We use real-time solutions for information dissemination via our bespoke hardware and Data Management Software (SDM), Phone Applications (Mi Savannah[®]), and automatically updated links in Google Earth.

We provide equipment worldwide, with our main expertise being medium to large mammals and birds. Additionally, we offer technical and scientific input and advice for your project, as well as personalized training seminars to ensure optimal use of our equipment and systems.



Tracking Models

Savannah Tracking offers a wide range of GPS tracking models, equipped with Iridium satellite or combined LoRa/Kineis data connections, including:

Standard Model

This model features both primary and auxiliary solar-charged batteries and includes two telemetry tracking beacons (UHF and VHF). The sizes range from 350 to 900 grams, with battery options from 1C to 2D. The Standard Collars are available with either top-or side-mounted belting.

Solar light model

This model is a sub-200-gram collar, designed with weight consideration at its core. It relies entirely on solar power and includes a single UHF-based telemetry beacon.

FlexTrack Model

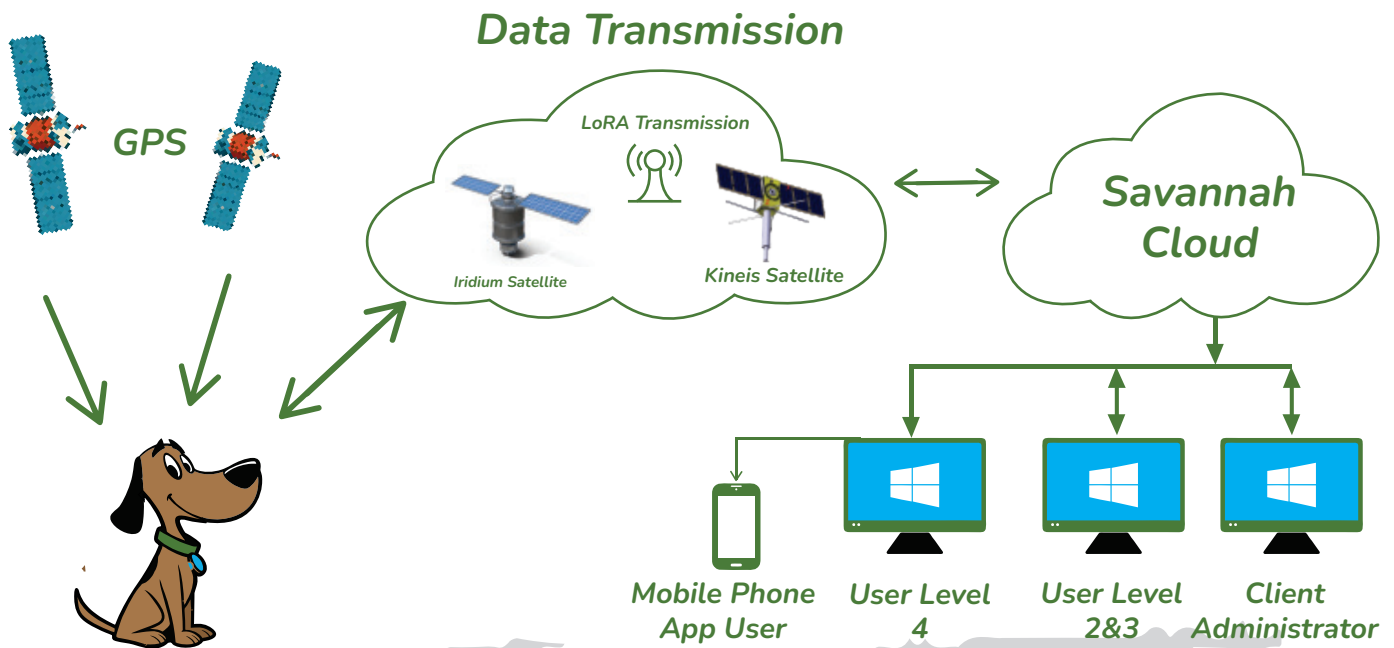
This model is based on a one size fits all design with a single UHF-based telemetry beacon and no solar charging. It is ideal for wildlife management, prioritizing cost-effectiveness and flexibility.

Specialized

Tags for Vultures, Giraffes, Ostriches, Crocodiles and others.

Elephant collars

We have multiple elephant tracking models, ranging from our standard Savannah model to the smaller Forest Elephant model and a Specialized lightweight calf model weighing less than 7 kg.



Data Access and reprogramming

All our equipment has full two-way communication. Users can easily reconfigure collar data collection and alarm parameters using the free accompanying SDM data manager software available for both Windows and Mac users

The SDM software also provides a quick and simple way to add and share auxiliary data, such as species, sex, ID numbers, deployment dates, collaring dates, age, etc.

Additionally, data can be accessed via the MiSavannah® mobile app, available for both Android and iOS. We also offer an automated network link that allows users to view recent data and movements directly in Google Earth.

The SDM offers tiered data access, which is managed by the client's main account administrator. This system allows the administrator to control who has access to specific collars and determine the level of data access for each user.

Integration with other Systems

Our system is fully integrated with both EarthRanger and Movebank, providing additional options for visualization and data archiving.

We also offer a REST API that allows for seamless integration with any custom applications that our users may want to implement.

Data Storage and Security

Data is hosted on a secure, password-protected cloud-based data server and stored indefinitely.



Training

Savannah Tracking Ltd. offers free online tutorial sessions for all our clients, including refresher sessions and updates at reasonable intervals.

We can also offer free world wide on-site system training under the terms of the client covering costs associated with transport, accommodation, and meals for the Savannah Tracking trainer.

For new clients we recommend a 2 days training seminar for all personnel involved in the project, which can be conducted at a location of your choice. if combined with the free on-site training, we can also provide in-person technical support during the initial days of deployment to ensure the optimal placement of collars, correct programming and reporting of units prior to fitting on the animal.

Alarms, Alerts and Geo-Fences

All our collars have real-time on-board monitoring via a tri-axis accelerometer to detect abnormal behavior (immobility, excess motion) with instant alerts sent via email and push notifications to the MiSavannah app.

Fully user-definable geo-fencing allows for polyline and polygon fences that triggers automated email alerts and mobile push notifications in case of zone violation.



Development and Production Standards

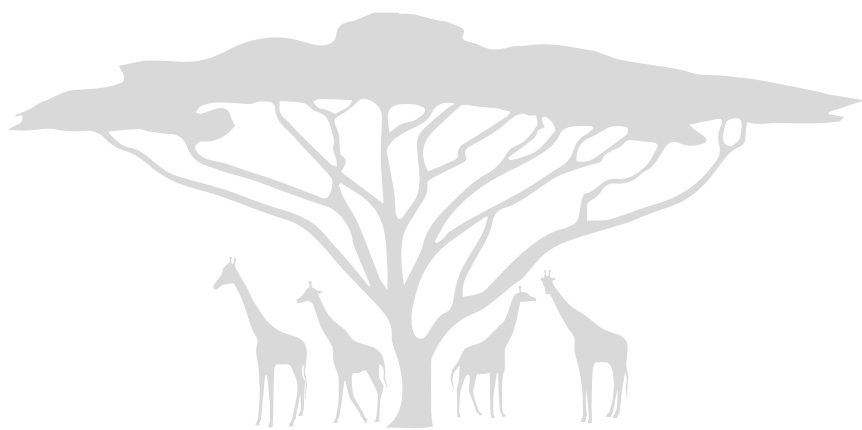
All electronics, firmware, and user interfaces are designed and produced by Savannah Tracking specifically for wildlife tracking. We draw on over 20 years of expertise in animal tracking and further encourage feedback from our clients to continually improve our products and develop innovative solutions that meet the evolving needs of research and conservation. With a fully-fledged R&D department, we can offer a quick turnaround time from novel ideas to finished product, as well as bespoke designs for your project.

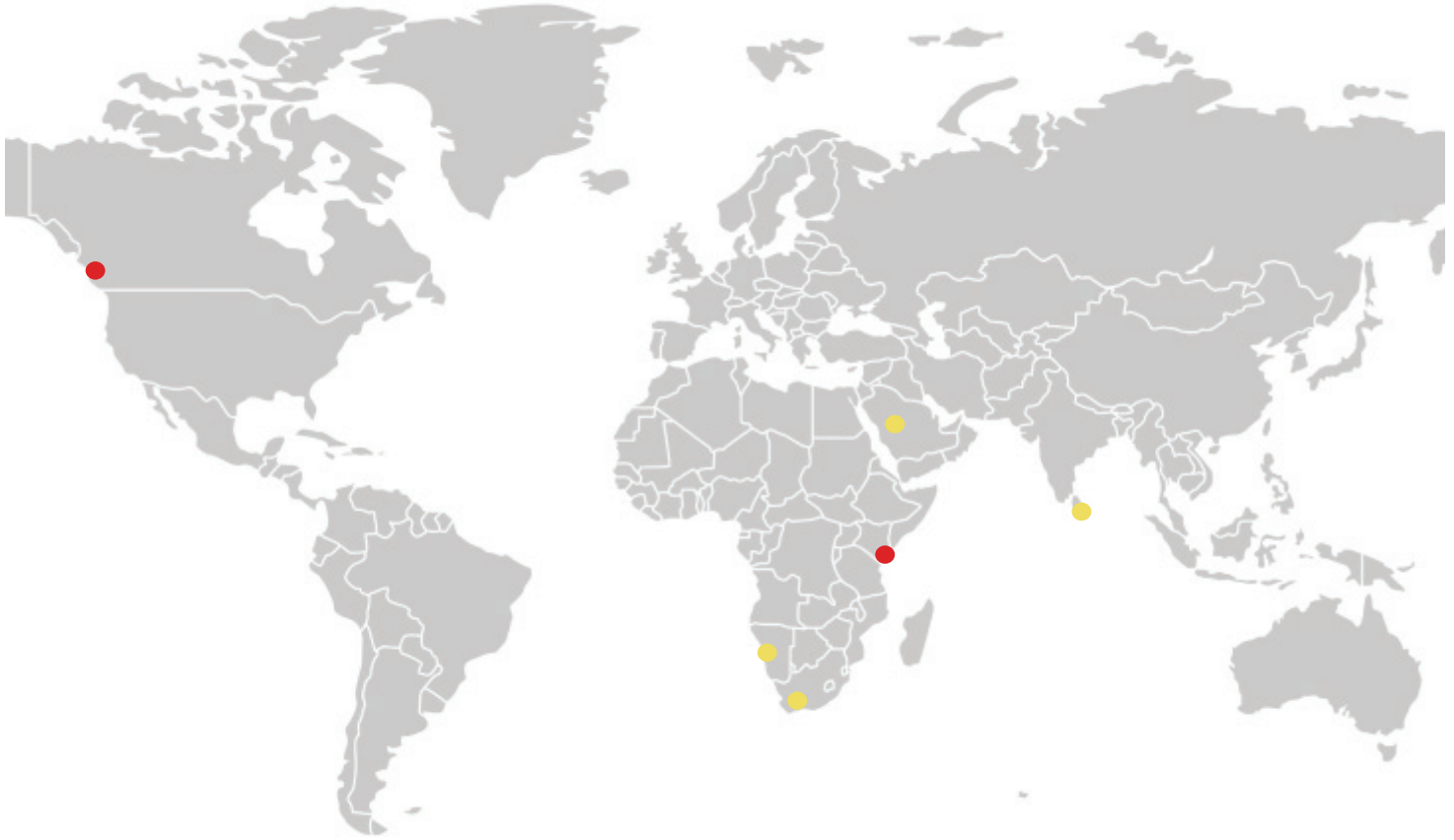
Our core electronic boards are produced using high-quality components at a specialized assembly plant in Denmark. We use high-end German produced lithium batteries, and the rechargeable batteries are designed with specialized cells that can charge and supply power in extreme temperatures ranging from -45°C to $+85^{\circ}\text{C}$, retaining 75% capacity after 4000 charging cycles (equivalent to 10 years of daily cycles). The solar cells are monocrystalline, with a 25% high efficiency and excellent photonic response across a wide range of wavelengths.

Sustainability in Production

At Savannah Tracking, we are committed to attaining sustainability in our production processes. Our production facility runs on 100% renewable solar energy. All our water needs are met through a rainwater catchment and purification system that collects and purifies rainwater from the roofs of our buildings, storing it in large underground cisterns for use during the dry season. Hot water is provided via solar water heating. This ample water supply is also used for drip irrigation in our own vegetable garden, which supplies staff lunches, with the rest of our food needs sourced locally.

The introduction of auxiliary solar charging on our standard collar models has seen most clients opt for smaller, lighter collars that require fewer primary cells, as the solar component provides sufficient power inputs. This has resulted in a significant reduction in the average size and use of primary lithium cells. We foresee this trend to continue as we further improve the use of rechargeable solutions in our tracking equipment.





● **Our Locations**

Africa, Kenya

Savannah Tracking Ltd, Kenya. Bofa Road Plot 563,
P.O. Box 721, 80108 Kilifi, Kenya
Mobile: +254 795 473 463. Landline: +254 (0) 202451801

North America, British Columbia Canada

Savannah Tracking BC Inc, 3350 Mackenzie Hw 20
P.O.Box 107, VOT 1HO Hagensborg, BC Canada
Landline: +1 250 982 2316

Email: info@savannahtracking.com **Website:** www.savannahtracking.com

● **Official Distributors: South Africa, Namibia, Sri Lanka, Saudi Arabia**

