Fully automated wildlife monitoring technology, designed for the most demanding research and conservation projects

WIRELESS IDENTIFICATION (WID) SYSTEM

CURRENT MAJOR PROJECT

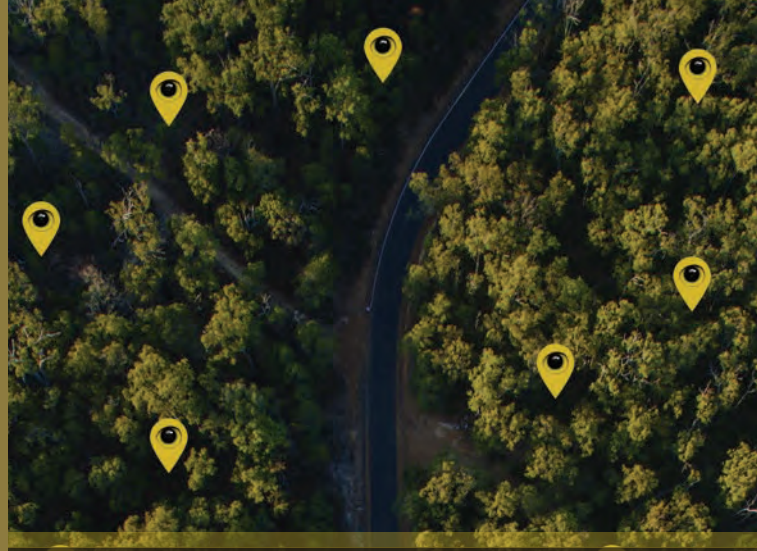
WID-activated wildlife warning signs

Every year hundreds of koalas die on south-east Queensland roads. Mitigation strategies such as road crossing infrastructure can be cost prohibitive and logistically challenging to apply at the scale of the problem. The Queensland Department of Transport and Main Roads is partnering with Wild Spy to trial WID-activated signs that alert drivers to the imminent possibility of a WID-tagged koala crossing a road. The system's dual aims are to reduce koala mortality and increase public safety.

WILD SPY

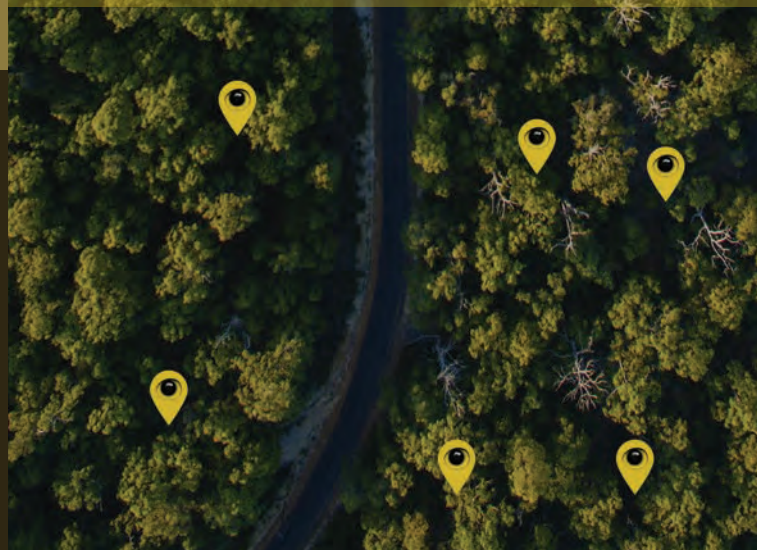
Wild Spy Pty Ltd
11/25 Depot Street
Banyo 4014 Queensland
Australia
Contact: +61 413 356 250

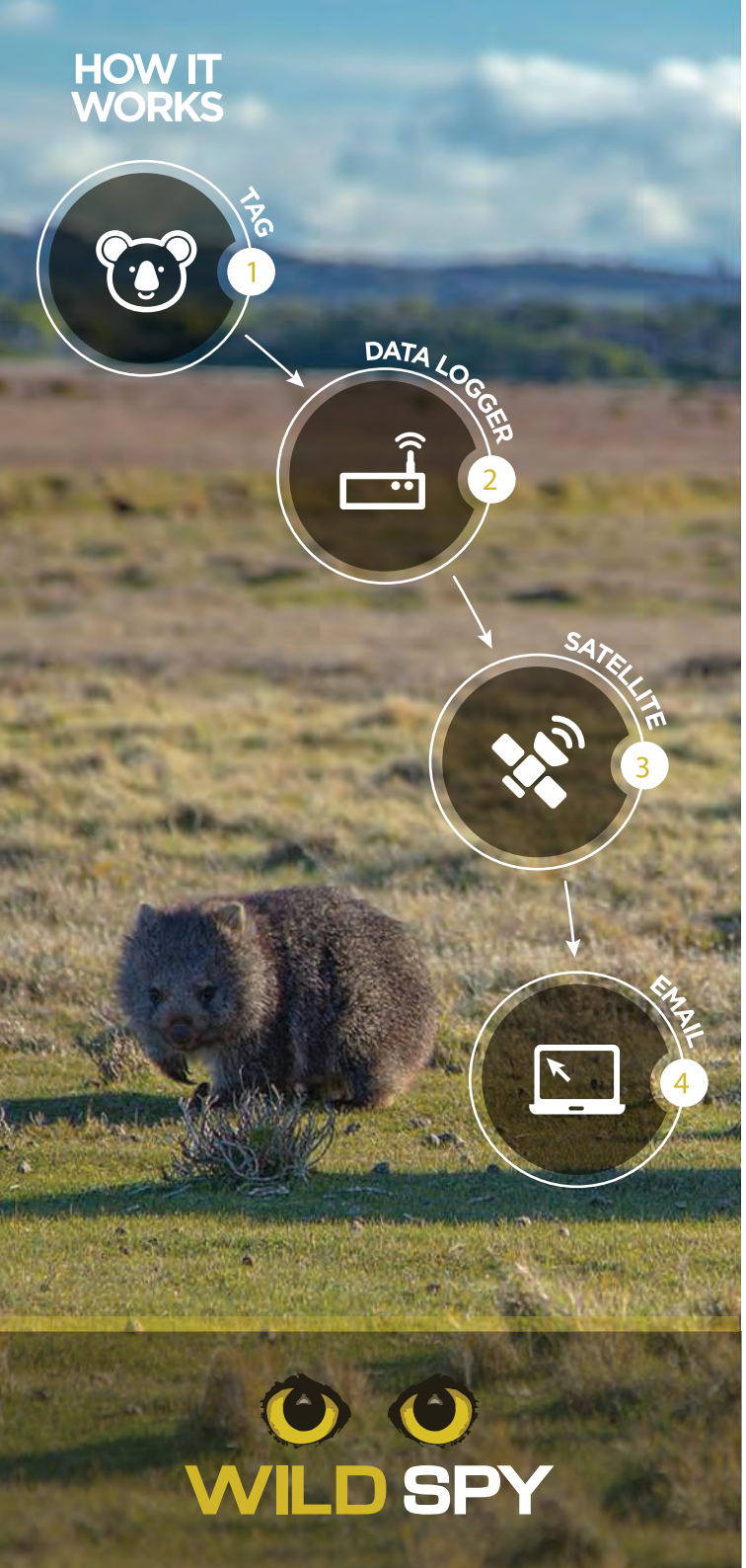
info@wildspy.com.au
wildspy.com.au



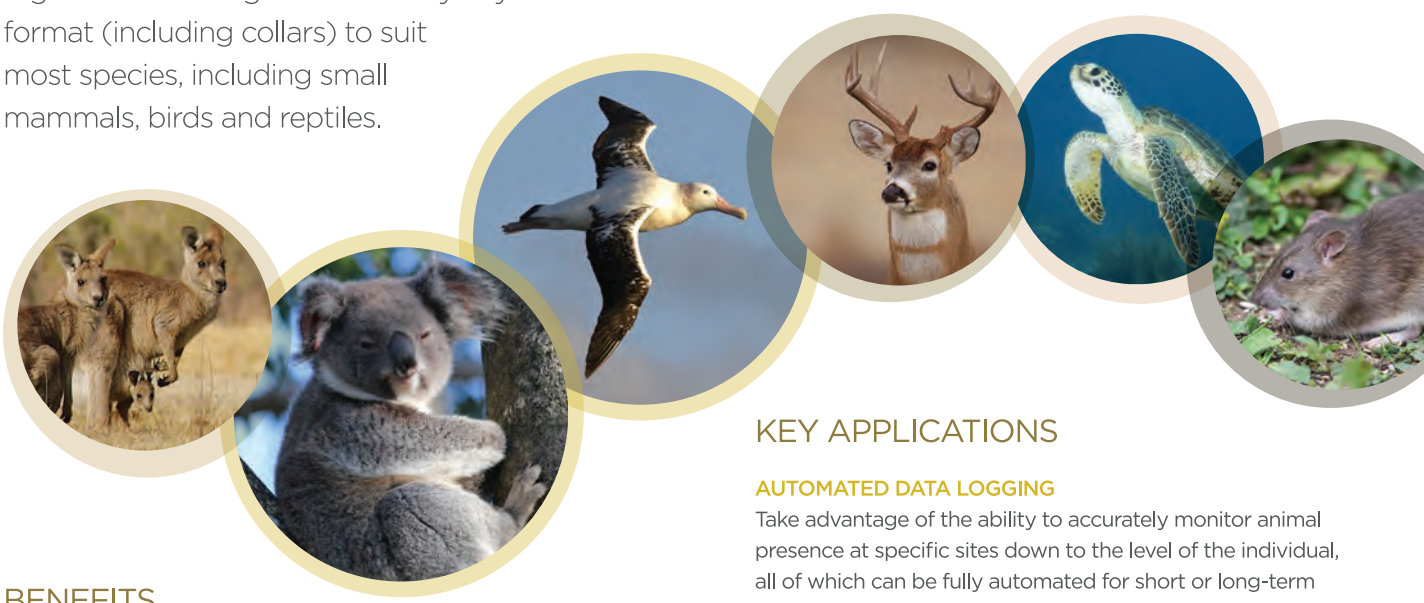
WILD SPY

WIRELESS IDENTIFICATION (WID) SYSTEM





Wild Spy WIDs are animal-borne transmitters with a configurable range of 20-200m line of sight. Each WID transmits a unique identifier which is picked up by a data logger when in range. WID data loggers record tag ID, time and duration of log, and received signal strength (RSSI). WIDs come standard in the form of an ear tag or can be designed in virtually any format (including collars) to suit most species, including small mammals, birds and reptiles.



BENEFITS

- Cost effective population dynamics studies aimed at monitoring abundance or survival rates (i.e. mark-recapture);
- Assessment of the frequency and duration of animal visitation to burrows, nests or dens, and places of interest such as feeding stations, campgrounds or other human-use areas;
- Identification of individual animal utilisation of purpose-built eco-infrastructure
- Monitoring of migratory species over long periods to assess movement patterns in both marine and terrestrial environments
- Ability to answer research questions with a reliability that other positional technologies such as GPS can not

SYSTEM FEATURES

- Long deployment times relative to size and research requirements (from a few months to more than a decade)
- Lightweight tags in flexible configurations for small to large animals
- Tags are fully weather and marine proof
- Data logging system with highly adaptable power options including solar for long-term monitoring
- Inter-logger and satellite communication options

KEY APPLICATIONS

AUTOMATED DATA LOGGING

Take advantage of the ability to accurately monitor animal presence at specific sites down to the level of the individual, all of which can be fully automated for short or long-term projects.

WID-ACTIVATED WILDLIFE WARNING SYSTEMS

Use animal presence to activate devices, such as wildlife warning signs, cameras and alarm systems amongst many other applications.

UAV MONITORING

Combine two innovative technologies, WID and unmanned aerial vehicle (UAV) systems, to monitor populations and keep track of individuals.

MANUAL TRACKING/ID

Keep an eye on study animals directly with line-of-site manual tracking of 200m+ using a hand-held WID data reader, linked to an Android smart phone or tablet, and a Yagi antenna.