Anti-poaching network | Photo source Pixabay

INTERNET OF THINGS TACKLES GLOBAL ANIMAL POACHING

TELECOMMUNICATIONS

The Zoological Society of London is collaborating with a non-profit to develop a sensor and satellite network.

ZSL (Zoological Society of London), one of the most famous zoos in Europe, has teamed up with non-profit technology company Digital Catapult to support the development of anti-poaching technology. The partnership will use the Internet of Things (IoT) and Low Power Wide Area Network (LPWAN) technologies to create a sensor and satellite-enabled network that will be able to help conservationists monitor wildlife and respond to poaching threats on land and sea in some of the world's most remote national parks.

Up to 35,000 African elephants were killed by poachers in 2016, and black rhino and mountain gorilla populations continue to be at high risk. LPWAN could help prevent poaching in game reserves by enabling remote sensors to communicate with one another over long distance while using only a small amount of power. These connected sensors are able to detect activities nearby and determine whether these originate from wildlife or poachers, creating immediate alerts for those monitoring the area.

Digital Catapult has installed a LPWAN base station at the ZSL headquarters at London Zoo, which will enable prototypes to be tested on site. This technology will build on the revolutionary work already underway in areas including Kenya, Nepal, Australia, the Chagos Archipelago, and Antarctica.

The practise of poaching has been the target of many technology companies, with a similar project using artificial intelligence to monitor poachers recently coming to light. One of the many

devastating impacts of poaching is the potential to cause extinction of some animals, and one startup has tackled this potential catastrophe with rhinos by producing a 3D printed horn that could help the species avoid being a target. As more innovations of this nature continue to astound Springwise, how else could technology help wild animals facing threat?

15th September 2017
Email: Press.office@zsl.org
Website: www.zsl.org
Contact: www.zsl.org/about-us/contact-us