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Rare tiger cub born

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Between 1977 and 1992 up to 1m people died in a civil war in . Mozambique and large parts of the country were mined.

The work of the trained rats includes a confirmation search to back up mechanical operations, but they have also proved reliable enough for primary land mine location.

In fact, they have been so useful for clearing mines in Mozambique that the technology is about to be exported to Angola.

Dogs have been used for land mine detection for some time, but the rats have a number of

advantages. Like dogs, they respond well to humans, but they do not bond to an individual handler. This means that in de-mining operations one person can deal with a number of rats consecutively.

They are also small enough to be easily accommodated and transported and can concentrate for much longer periods of time. More specifically, African Giant Pouched rats are endemic in Africa and resistant to most tropical diseases. Their one drawback is their life expectancy, which is only up to 8 years.

Often viewed as vermin, these rodents are now moving on to detecting tuberculosis in humans. In many parts of the world TB is a growing epidemic and early detection is vital for efficient treatment.

The APOPO project in Tanzania has been training rats to smell TB in human saliva samples with impressive results. A single rat can test as many as 150 samples in just 30 minutes. By contrast, a human using a microscope can test only 20 samples in a whole day.

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