 reconeyez

Wildlife Protection Case Study



www.reconeyez.com



Arcanum Africa

Company background

Arcanum Africa is a technology-focused company dedicated to providing cutting-edge solutions for safeguarding wildlife, businesses, and personal living spaces. Our team works closely with clients to source unique technologies, often originating from the Global Defense market, and develop them to meet specific needs.

We believe in the vital role of technology in protecting our planet's valuable wildlife, nature, and people's personal space. Thus, we strive to offer state-of-the-art solutions tailored to our clients' unique requirements. We support and cooperate with wildlife protection units and organizations.

Arcanum Africa

<https://www.arcanum-africa.com>

www.reconeyez.com

confidential

Our experts are passionate about creating bespoke solutions that contribute to the ongoing efforts of protecting our planet's precious wildlife and nature. At Arcanum Africa, we pride ourselves on being a reliable partner and innovator in the security technology industry, committed to delivering exceptional solutions that meet the highest standards of quality and reliability.





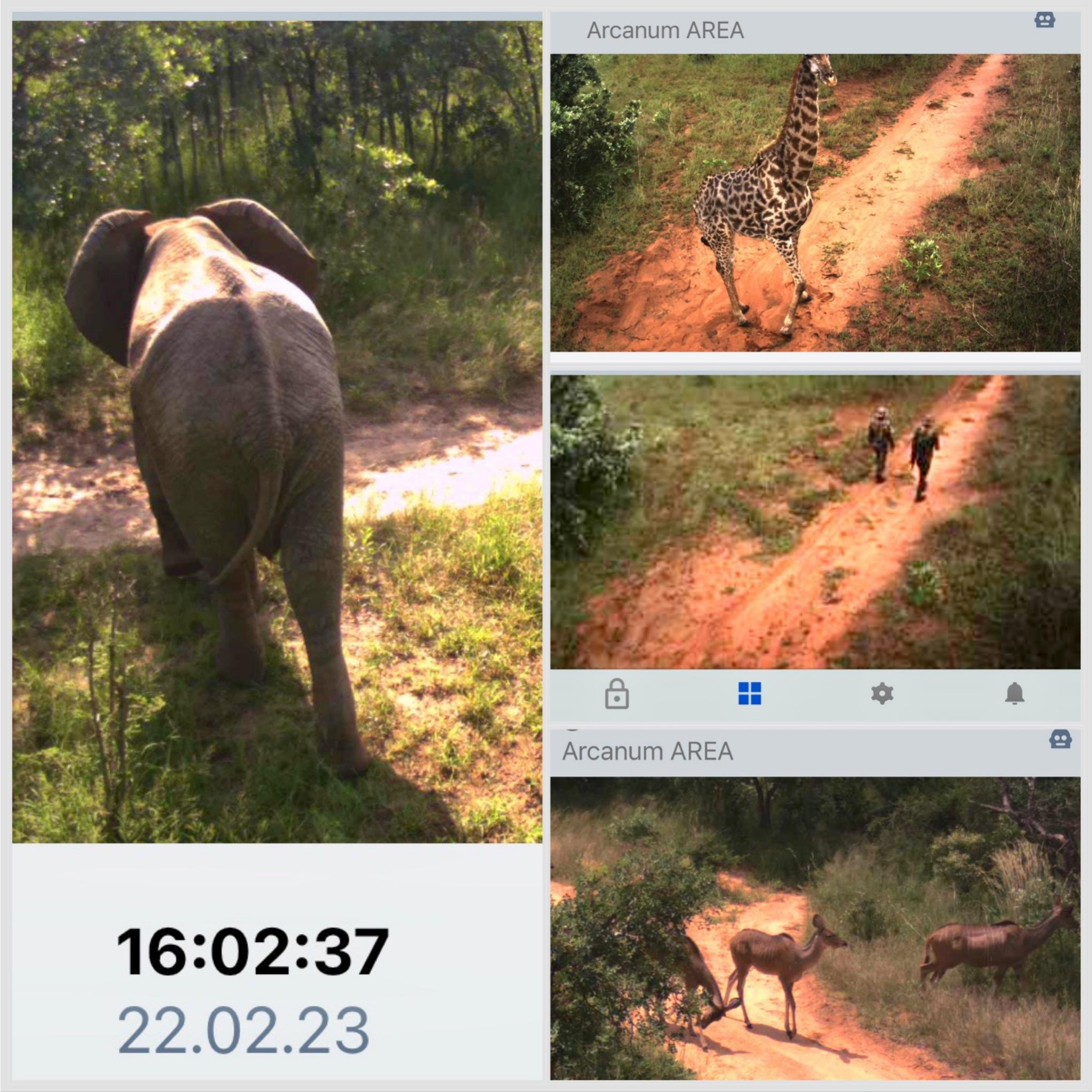
Protecting Kruger Park wildlife against poaching

What problems were you trying to solve?

Our customer, a Wildlife Protection unit active in Kruger Park, had issues with getting camera protection coverage in areas where there was very limited to zero coverage on mobile data network.

The customer wanted to identify animals passing those areas, and more importantly, to get alerts when people (poachers) would be detected in those areas.

Kruger park (19,623 km²), is a home for lions, rhinos, giraffes, elephants, and hundreds of other mammals that are often targeted by illegal hunters.





Real photo from Reconeyez Cloud



Why did you choose Reconeyez?

There are several reasons:

- The durability,
- Ease of use/setup in the field,
- The ability to deliver alerting and images in very constrained mobile data networks.
- The fact that the bridge could be in the area that still had limited mobile data coverage and then via mesh they could put the camera's in the areas where there is no coverage at all (and still get alerting and imaging).
- The fact that we were able to integrate the alerts going into the wildlife protection platform which is used all over South Africa (and beyond) for conservations and protection of wildlife.
- Our trust in the system after working with it for a while now and testing the limits of it's abilities.



Real photo from Reconeyez Cloud



What has been the most important benefit of Reconeyez?

- The ability to get camera's deployed to over 700 meters into areas with zero mobile data network.
- Full HD images coming from those areas from passing wildlife.
- Quick and easy deployment and re-deployment by the rangers.
- Integration into the ranger wildlife protection platform (where all their camera feeds are send into).
- The ease of usage of the new Reconeyez phone and alerting on that.



installed Reconeyez system: Bridge & Detector



D

New device: Trer
Arcanum AREA

A photograph of two zebras standing in a shallow, muddy river in a savanna setting.

17:59:08

06.03.23

Real photos from Reconeyez Cloud

D

New device: entrance
Arcanum AREA

A photograph of a white pickup truck driving on a dirt road through a wooded area.

12:38:13

17.02.23

#truck #Car



16:23

35

Displaying all areas

12:53:49

26.02.23

Show event details

D

New device: Trer
Arcanum AREA

A photograph of a giraffe standing on a dirt road in a savanna setting.

12:44:20

26.02.23

Show event details

Site status

Events

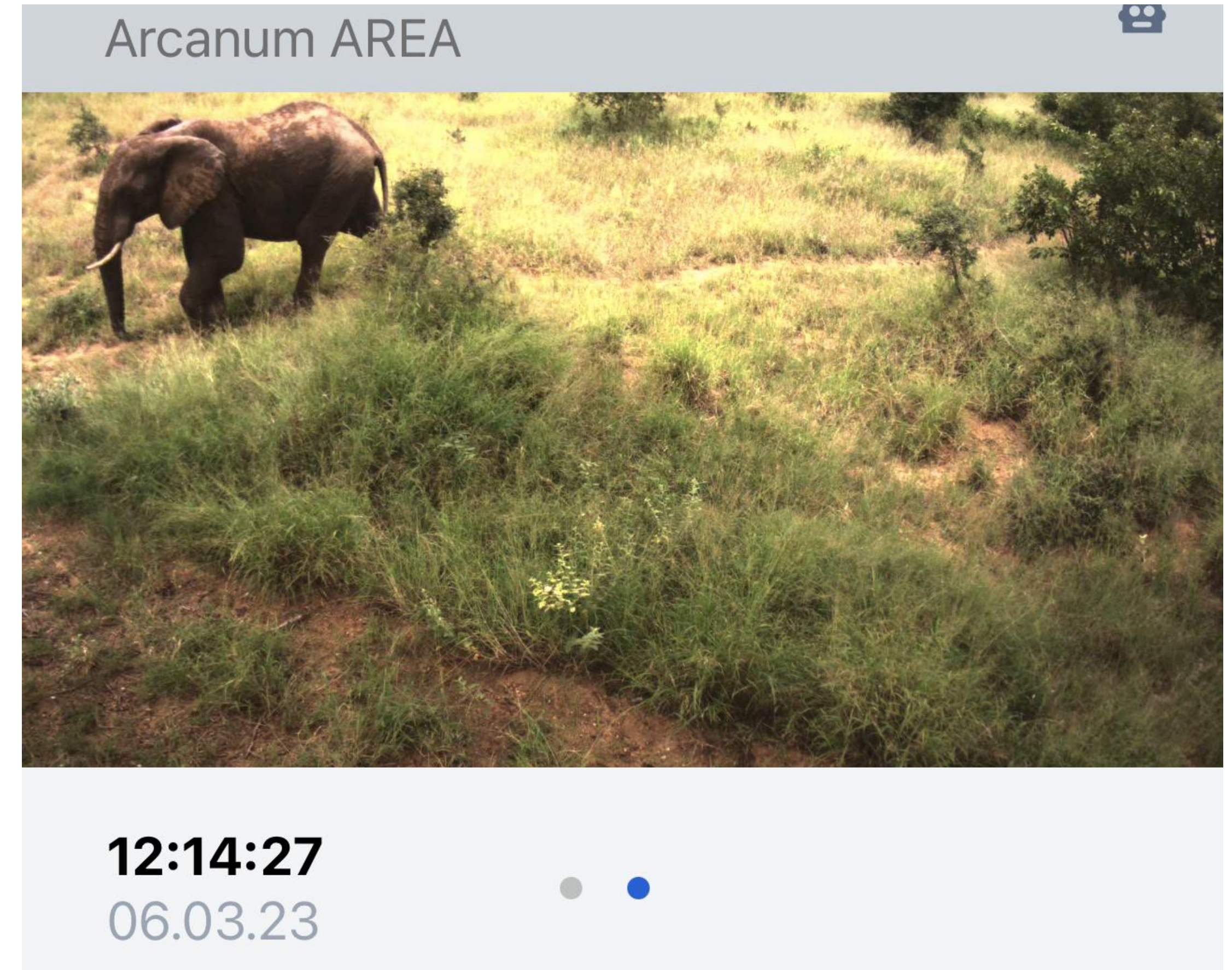
Settings

Notifications



What possible solutions did you consider?

After listing to the clients we only could find one solution that would match their requirements and that was the Reconeyez solution (bridge with detectors and the new mobile app).



Real photo from Reconeyez Cloud



Night photos from Reconeyez Cloud

Displaying all areas

Arcanum AREA

18:59:09
24.02.23

Displaying all areas

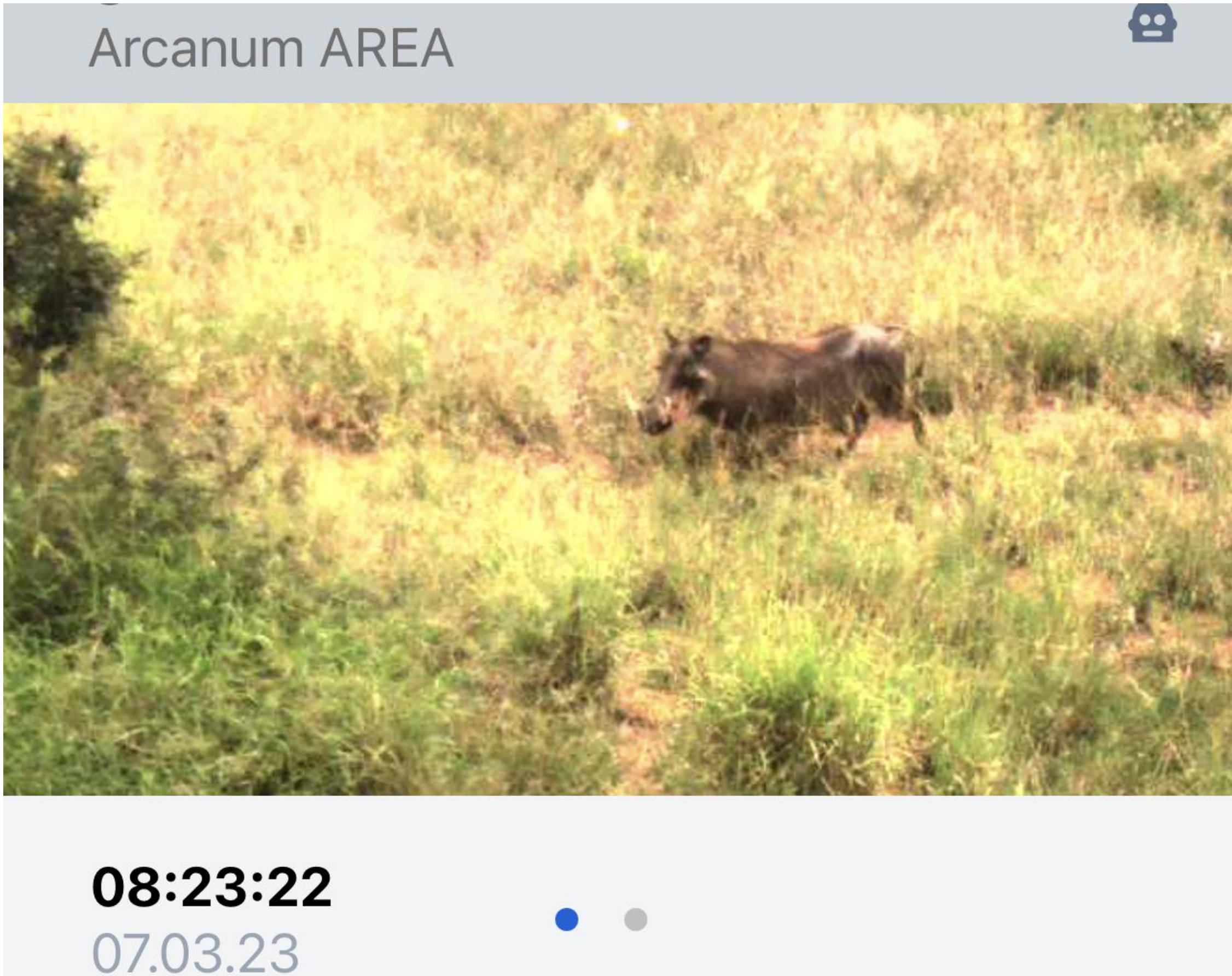
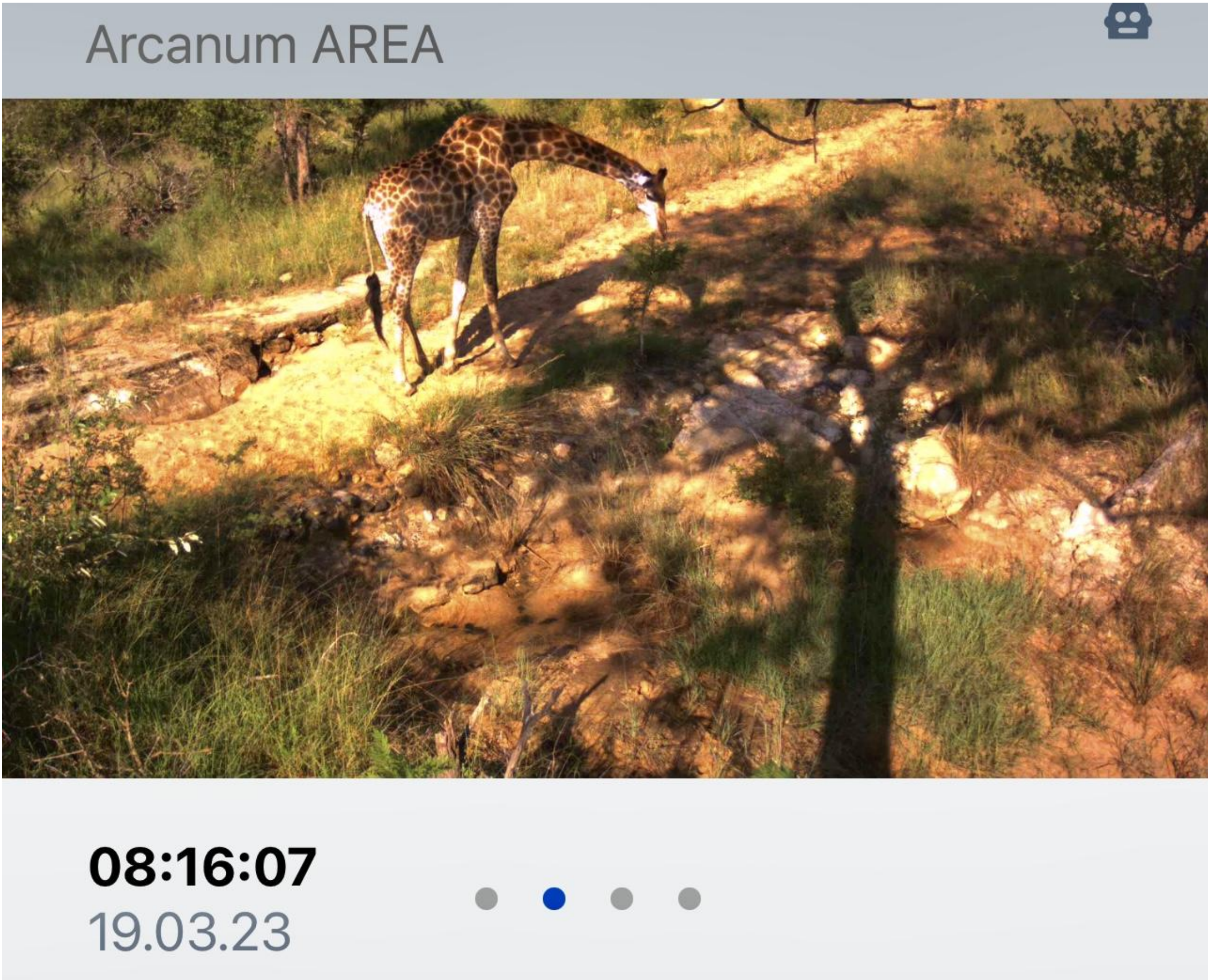
Arcanum AREA

19:58:44
25.02.23

Show event details

New device: Trer
Arcanum AREA

Site status Events Settings Notifications





New device: entrance
Arcanum AREA 



A wide-angle shot of a dirt road winding through a wooded area. A truck is visible in the distance on the road.

New device: entrance
Arcanum AREA



A closer shot of a truck driving on a dirt road, surrounded by trees and vegetation.

15:13:56
18.02.23

#truck



A red tractor is driving on a dirt road, kicking up a cloud of dust. The tractor is pulling a flatbed trailer.

09:35:45
20.02.23

#truck #person



 *reconeyez*



Outdoor Security with Artificial Intelligence

*Less false alarms. Long battery life.
Intelligent intrusion detection.*

Transportation

Monitor and secure cargo, vehicles or other assets that require enhanced protection in minutes.

Agriculture

Keep your equipment, infrastructure, storage facilities, harvest and even fields protected wherever they are.



Fly-tipping

Our autonomous system does not require any wired communications and is perfect for recording fly-tipping incidents.

 reconeyez

Void property

The fully autonomous system requires no wired communications to keep intruders out of your property.

Nuclear energy

The precise, cost-effective and easily scalable system is ideal for keeping your critical infrastructure protected.

Solar energy

The precise, cost-effective and easily scalable system is ideal for keeping your critical infrastructure protected.

Wind power

The precise, cost-effective and easily scalable system is ideal for keeping your critical infrastructure protected.

Mining

Our autonomous system does not require any wired communications and is perfect for the ever-evolving mining operation.

Construction

Fast and autonomous protection that grows and reconfigures as your site develops.

