



TECHNOLOGY FOR GOOD

[FOUNDATION OVERVIEW · 2026]

Engineering solutions for global challenges

Tech for good across three pillars: wildlife conservation, social impact, and innovation. We're a non-profit foundation working alongside rangers, NGOs and communities worldwide.

10 yrs

SINCE 2016

10+

COUNTRIES

34+

PARTNERS

25+

PROJECTS

Ten years of innovation

Hack The Planet was founded in 2016 on a clear conviction: the right technology, in the right hands, can move the needle on the world's biggest problems. We bring engineering expertise to the field, for wildlife, for communities and for the people who protect them.

Ten years later we've worked across **10+ countries** with **34+ partners**, and in 2025 we became an official Dutch non-profit foundation. The mission has not changed: build technology that helps wildlife, communities and the people who protect them.

Our work is funded by donations, grants and partnerships. Because we are an **ANBI** (Algemeen Nut Beogende Instelling), donations from the Netherlands are tax-deductible.

Q42 is our **founding donor** and has made Hack The Planet possible. From the start they contributed funding, engineering time and a home to grow from. Hack The Planet now operates as an independent foundation, but Q42 is still a long-term supporter, and the place where it all started.

LEGAL NAME	STATUS	KVK	IBAN
Stichting Hack The Planet	ANBI-registered	98279238	NL79 TRIO 0321 1304 05

Where our technology makes a difference

Where our technology makes a difference, from rangers in remote national parks to communities closer to home.

01

Conservation

Anti-poaching, wildlife monitoring and human-wildlife coexistence, built together with rangers, NGOs and research partners on the ground.

02

Social impact

Tech serving people, from VR experiences for elderly care to digital interventions tackling youth violence.

03

Innovation

New concepts that prove what's possible: affordable medical devices, autonomous drones, immersive humanitarian training.

Technology that protects wildlife

Most of our conservation work happens in protected areas across the globe. Rangers there patrol thousands of square kilometres without cell coverage, poachers move silently at night, and an elephant or a brown bear stepping into a village can change lives in seconds.

We build the hardware and software that ranger teams, NGOs and research institutions rely on in exactly those conditions. Solar-powered, satellite-connected, ruggedized for heat, dust, rain and curious wildlife. Every season it gets refined by the people who actually use it in the field.

The result is a small set of three platforms, plus the deployments that prove them.



[OUR PRODUCTS]

Three field-proven platforms, deployed in collaboration with our conservation partners worldwide.



Product 01

ScannerEdge

Passive radio-frequency detection that warns rangers about people in places they shouldn't be.

PAGE 04



Product 02

Instant Detect

Protect wildlife faster, smarter, anywhere: AI camera traps that send images via satellite, in near-real-time.

PAGE 05



Product 03

Smart Deterrent

An AI-triggered, non-lethal deterrent that keeps wildlife, and the people sharing their landscape, out of harm's way.

PAGE 06



ScannerEdge

[PRODUCT 01 / 03 · CONSERVATION]

Passive radio-frequency detection that warns rangers about people in places they shouldn't be.

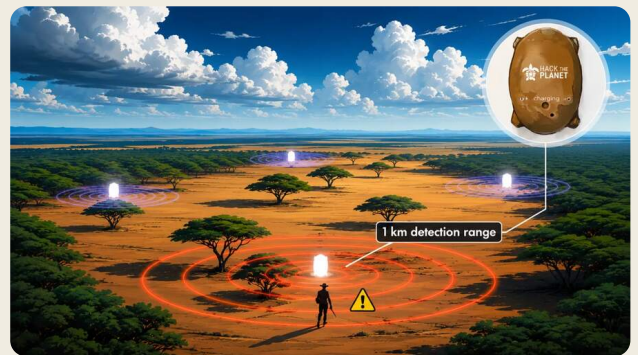
What it does

ScannerEdge is a passive RF detector that alerts rangers to human presence by listening for cellular and satellite signals, without collecting personal data.

Rangers patrol vast protected areas where poachers move silently and at night. Cameras and motion sensors miss covert activity, drones can be heard, and patrols can't be everywhere at once. Early warning is the difference between responding from a safe distance and stumbling into an active incident.

Field-built capabilities

- **Passive RF detection:** Listens for signals from mobile phones, satellite phones and VHF radios.
- **Long-range coverage:** Detects activity within a ± 1 km radius, varying with terrain and vegetation.
- **Real-time alerts:** Pushes notifications to rangers the moment activity is picked up. They choose when and how to respond.
- **Solar-ready, low-power:** Optimized for off-grid deployment with minimal maintenance. Months of unattended operation.
- **Remote management:** Configure, tune and monitor every unit from a phone or browser. No need to visit the device.
- **Rugged enclosure:** Built for heat, dust, rain and curious wildlife. Tested in southern African parks since 2018.



A LoRaWAN-backed anti-poaching network

Deploying ScannerEdge across one of Zambia's most biodiverse and vulnerable wildlife regions.

Read more about **ScannerEdge** on hack-the-planet.io/products/scanneredge

Instant Detect

[PRODUCT 02 / 03 · CONSERVATION]

Protect wildlife faster, smarter, anywhere: AI camera traps that send images via satellite, in near-real-time.

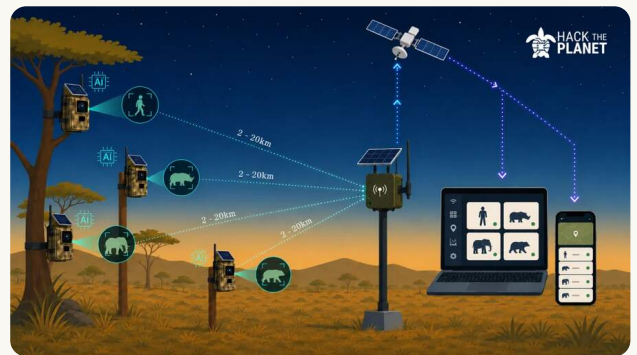
What it does

Instant Detect is a satellite-connected wildlife monitoring system. Cameras form a local LoRa network, with a single satellite-linked Base Station forwarding images to the cloud.

Conservationists deploy camera traps deep in the field, then come back weeks or months later to retrieve them, only to find equipment damaged, stolen or filled with months of irrelevant images. By the time data reaches a researcher's laptop, the moment to act has already passed.

Built for the unreachable

- **On-device AI:** Each camera runs AI species recognition locally, identifying animals (or humans) in real time on the device itself. That is rare in this category.
- **Smart filtering:** Tell the system which species you care about. Only get alerts for elephants, or only for human presence (anti-poaching), instead of being buried under thousands of irrelevant frames.
- **Real-time imaging:** Captures and transmits images in near-real-time, motion-triggered via built-in PIR detection.
- **Affordable satellite link:** Iridium connectivity from the Base Station works anywhere on the planet, including jungles, deserts and Antarctic regions.
- **Long-range LoRa network:** Cameras talk to the Base Station over LoRa at distances of 2–20 km, depending on terrain, so only the Base Station needs satellite.
- **Solar-powered:** Cameras run entirely on solar power. No battery swaps, no maintenance field visits.



Real-time bear monitoring with WWF Romania

4G cameras with a two-stage AI pipeline that recognise brown bears in real time and push the detections straight into the Sensing Clues platform.

Read more about **Instant Detect** on hack-the-planet.io/products/instant-detect

Smart Deterrent

[PRODUCT 03 / 03 · CONSERVATION]

An AI-triggered, non-lethal deterrent that keeps wildlife, and the people sharing their landscape, out of harm's way.

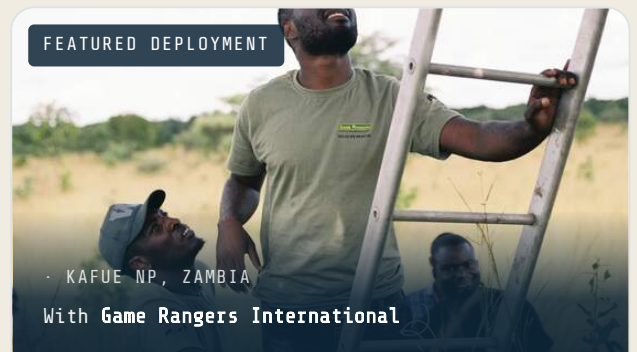
What it does

Smart Deterrent is an autonomous, multi-sensory deterrent system that activates light and sounds when an AI camera detects wildlife approaching populated areas, reducing human–wildlife conflict without harming the animal.

Across the world, wildlife and people increasingly share the same landscapes. Elephants raid crops, brown bears enter mountain villages and hippos walk through fishing camps. The result is destroyed livelihoods, injured people and, too often, retaliatory killings. Fences and traditional deterrents either fail or harm the animal. Communities and wildlife both pay the price.

Designed not to be ignored

- **Varied sound library:** Plays from a large library of music, human voices and other sounds. We test and tune the mix per species and region. What unsettles an elephant in Zambia isn't what works for a brown bear in the Carpathians.
- **Light flash patterns:** Combined with sound, the light makes the deterrent multi-sensory and harder to dismiss.
- **AI-triggered:** Pairs with Instant Detect or compatible AI cameras, so the deterrent only fires when the right species is actually detected.
- **Solar-powered, autonomous:** Designed for unfenced rural landscapes, running entirely off-grid with minimal maintenance.
- **Modular & deployable:** Lightweight units that can be installed where they're needed and relocated as conflict patterns shift.
- **Field-validated:** Operating against elephants in Zambia and brown bears in the Carpathians, with partners on the ground in both regions.



Keeping elephants out of villages without harm

Preventing dangerous encounters between elephants and nearby villages with AI detection and non-lethal deterrents.

Read more about **Smart Deterrent** on hack-the-planet.io/products/smart-deterrent

02 · Social impact

Technology serving people

"Tech for good" doesn't always live in a national park. Sometimes it's a teenager carrying a knife on the way to school, a senior who hasn't been outside in months, or a neighbourhood where people who live next door have never spoken.

Our social-impact work takes the same engineering rigour we apply in the field and points it at problems closer to home. We collaborate with municipalities, NGOs and humanitarian organisations on digital experiences that strengthen communities and reach the people who need them most.

From VR experiences in care homes to GPT-powered storytelling that de-escalates youth violence, the projects below show what's possible when narrative, design and technology come together.



[FEATURED PROJECTS]

Three projects that show how this works



SOCIAL IMPACT

· THE HAGUE, THE NETHERLANDS

Help Maya

A WhatsApp-based interactive experience addressing knife violence among adolescents, co-created with local teens and police.



SOCIAL IMPACT

· THE HAGUE, THE NETHERLANDS

EldersVR

Combating loneliness with immersive VR experiences for older adults, born from a hackathon and now in care homes.



SOCIAL IMPACT

· THE HAGUE, THE NETHERLANDS

Know Your Neighbor

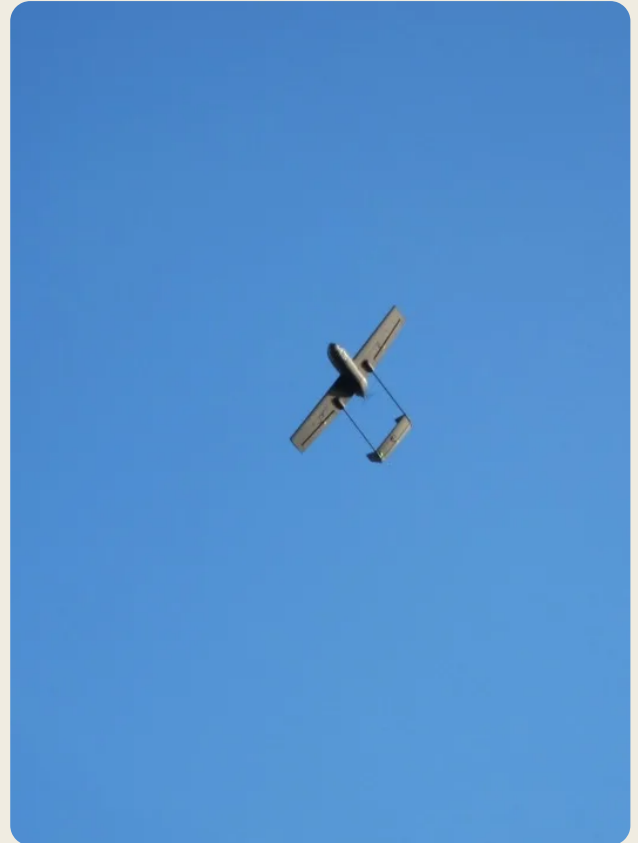
An immersive installation that lets visitors step behind real front doors and experience the lives of people in their own community.

Designing the future

Some of our work starts with a question nobody has answered yet. "Can an autonomous drone help rangers spot illegal logging from the air?" "Can a 3D-printed laryngoscope be safe enough for a rural hospital that can't afford the commercial one?"

Innovation, for us, means prototyping what doesn't exist yet and then proving it in the field. We help organisations imagine, design and build the first version of something new, then learn fast enough to decide whether to scale it.

It's also where Hack The Planet started. SkyHawq, our very first project in 2016, was an autonomous fixed-wing drone built for Greenpeace. Many of the lessons we learned in the Indonesian rainforest still shape every product we ship today.



[FEATURED PROJECTS]

Three projects that show how this works

INNOVATION



· SUMATRA, INDONESIA

SkyHawq

An autonomous fixed-wing drone supporting conservation teams in the fight against deforestation, poaching and environmental destruction.

INNOVATION



· THE NETHERLANDS

Video laryngoscope

An affordable laryngoscope for resource-limited healthcare settings, engineered with off-the-shelf parts and 3D printing.

INNOVATION



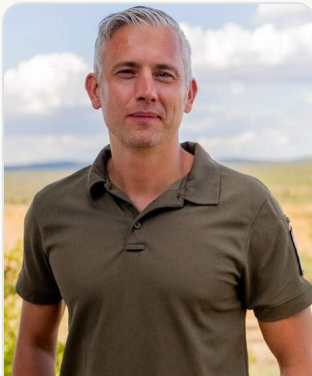
· ZIMBABWE

The Elephant in the Room

An online interactive about human-wildlife coexistence, built around a 3x2 m oil painting by Zambian artist Silvester Mali.

Meet the team

A dedicated team of engineers, supported by a wide network of partners, contributors and volunteers.



Tim van Deursen
Executive Director



Thijs Suijten
Executive Director



Stan Russell
Head of Partnerships & Fundraising



Kevin Witteveen
Electrical Engineer



Richard Hunt
Freelance Electrical & Embedded Engineer



Tommi Lander
Intern, Data Analysis

BOARD



Tim van Diest
Chairman



Jasper Kaizer
Finance Officer



Willemijn van Bekkum
Secretary

The people who make this possible

Hack The Planet runs on donations, grants and long-term partnerships. The organisations on this page give us the funding, the network and, just as importantly, the trust to keep building technology that protects wildlife and serves people.



Q42

Hack The Planet was born inside Q42. It started as a hackathon project, with engineers asking what their craft could mean for conservation. Q42 backed the idea with funding, engineering time and a home, and from there we grew into an independent foundation. They are still a long-term supporter today.



Fred Foundation

The Fred Foundation supports projects working towards a harmonious co-existence between people, planet and animals. Their multi-year backing gives us the runway to plan, build and deploy field technology with the patience real impact requires.



Tanka Foundation

Tanka Foundation funds nature-positive work across three themes: Life with Land, Life Below Water and Future Food Systems. That overlaps almost exactly with the terrain we operate in, and their support helps us scale the deployments we already know work.



WWF Netherlands

WWF Netherlands brings a global conservation network and decades of field experience to the table. Their support helps us put anti-poaching and monitoring technology in the places where it changes the most.



Green Safaris

Green Safaris combines low-impact tourism with active conservation in southern Africa. They host Hack The Planet deployments in Zambia and contribute the local knowledge and logistics no remote operation can do without.

And many more partners on the ground

Our funders make the work possible. The rangers, NGOs, Indigenous nations, researchers and creative collaborators make it actually happen.

See all our partners at hack-the-planet.io/partners/

Three ways to back what we do

Every euro and partner-hour goes towards hardware, deployment and maintenance in the field. Because we are an **ANBI**, donations from the Netherlands are tax-deductible.

WAY 01

Companies

Tech, finance and impact-driven companies committing engineering time, sponsoring a deployment, or aligning CSR with measurable conservation impact.

Q42 is the proof point: a company that, from day one, gave us **engineering time, funding and a home**. We also run **workshops, talks and inspiration sessions** at corporate events, about technology, conservation and what's possible when the two come together.

- Multi-year corporate sponsorship
- Employee engagement & hackathons
- Co-branded deployments
- Pro-bono engineering time
- In-kind hardware & cloud credits
- CSR / ANBI impact reporting

WAY 02

Family offices & foundations

Family offices, philanthropic family funds and foundations backing conservation, social impact, and the patient R&D real innovation requires.

The **Fred and Tanka Foundation** show what's possible: multi-year backing gives us the runway to plan, build and deploy with the patience real impact requires.

- Multi-year unrestricted grants
- Programme grants per pillar
- Country / project funding
- Capacity-building support
- Co-funded coalitions
- Legacy & named-fund opportunities

WAY 03

Project partners

NGOs, rangers, researchers, government agencies and indigenous-led groups who want our technology working alongside theirs in the field.

The best deployments come from co-design with people on the ground, like **WWF Romania, GRI, CSL, ZSL and Foundation Conservation Carpathia**.

- Co-developed field deployments
- Joint grant applications
- Pilot & PoC programmes
- Hardware integration support
- Long-term technical contracts
- Open-source knowledge sharing

Ready to talk?

Whether you want to fund a single deployment, sponsor a multi-year programme or co-develop technology in the field, we'd love to find the fit.

Stichting Hack The Planet

Triodos Bank · ANBI-registered

IBAN NL79 TRIO 0321 1304 05

info@hack-the-planet.io

Field deployments worldwide

From mountain valleys in Romania to rainforests in Gabon and ranger stations in Zambia. Our work runs wherever rangers, NGOs and communities need it.



BRAZIL

ROMANIA

GABON

THE NETHERLANDS

ZIMBABWE

ZAMBIA

UGANDA

NAMIBIA

INDONESIA

CANADA

Help us build technology that matters

Donations directly fund hardware, deployment and maintenance of our work in the field. If you're a ranger team, NGO, researcher or partner, we'd love to hear what you're working on.

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Donations from NL are tax-deductible.