

SHAPING INTELLIGENCE

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TOUCH THE FUTURE.



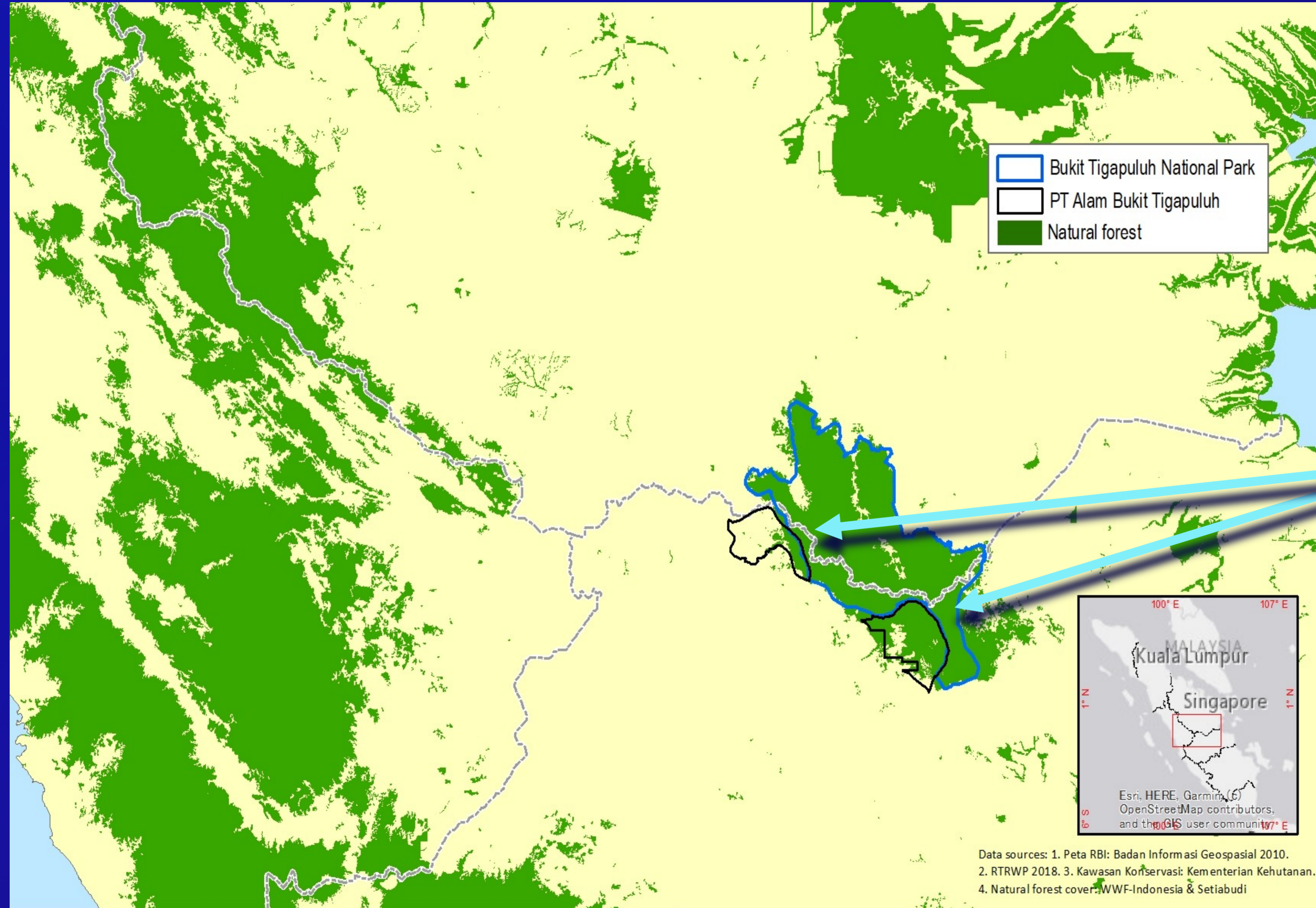
**HIKVISION**

# A Partnership to Protect & Restore

Using Technology to Enhance Forest Protection  
in Alam Bukit Tigapuluh Ecosystem Restoration Concession







Alam Bukit Tigapuluh (ABT) is an NGO-founded (WWF – FZS – TOP) commercial company managing 38,000 hectares of land adjacent to the Bukit Tigapuluh National Park

Supporting government effort to restore degraded forest and conserve habitat for endangered wildlife





**Our vision:**

**To make sustainable forest management  
a viable business, benefiting people, wildlife  
and climate**



# OUR MISSION AND WHAT WE DO

## ➤ Forest planning:

Building infrastructure (camp, post guard, towers, access roads), management working area, 10-year management plan

## ➤ Forest conservation and protection:

Patrols, nursery, forest planting & enrichment (reforestation), monitoring tree growth, wildlife monitoring

## ➤ Social engagement:

Identification and social mapping, initiation of farmer groups (KTH), providing health services, education and food

## ➤ Business development:

Rubber, honey, dragon's blood, vanilla, cocoa, cardamom





# OUR ASSET

## ➤ Forest:

Buffer zone for national park, upstream water source for local communities; one of the last lowland forests in Sumatra; 70 types of non-timber forest products (NTFP); 11.5 MtCO<sub>2</sub>e forest carbon stock

## ➤ Wildlife:

4 critically endangered megafauna species; total identified native mammals with 32 species of 15 different families

## ➤ Peoples:

5 adjacent villages; 2 indigenous peoples





# TECHNOLOGY MAKES A DIFFERENCE

➤ WWF-Indonesia, Alam Bukit Tigapuluh and Hikvision became partners in 2021. Hikvision is applying its cutting-edge technologies in the ABT concession, enhancing the areas

- **The solution aims to improve the protection by:**
- 24/7 monitoring with ColorVu technology
  - Solar-powered standalone security camera offers a more practical solution for off-grid monitoring in the forest

➤ Monitor the movement of animals using AI technology, especially the endangered ones that come across the area





# STORIES FROM THE FIELD

- ▶ Monitor activities
- ▶ Monitor the ins and outs through the gate/post guard km 29
  - ▶ Real-time condition of each spot
  - ▶ A one-way communication means







ALAM BUKIT 30 .



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## FUTURE PLAN & CALL FOR ACTION

### Challenges:

- In January 2022, lightning struck one of the cameras; but has been replaced;
- Need more capacity to maximize the advanced technology to support forest protection;
- Possible infrastructure improvement: power source, signals and connection, data storage, analysis and processing

ABT is committed to staying vigilant on wildlife in our concession, using monitoring technology such as CCTV and camera traps.

This project will showcase that technology can help to protect wildlife and their habitats, and create a better future for nature, we will continue to work with Hikvision and other strategic partners to promote it.





**Thank you!**  
**Terima kasih!**

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