

**AEROBOTTEK**

**NeSTRA**  
次世代宇宙システム技術研究組合

**HAPS** Research Group  
**FDL** Flight Dynamics Laboratory  
Tsuchiya Lab The Univ. of Tokyo

 **DX MONGOLIA**

DEVELOPMENT



APPLICATION

# Application

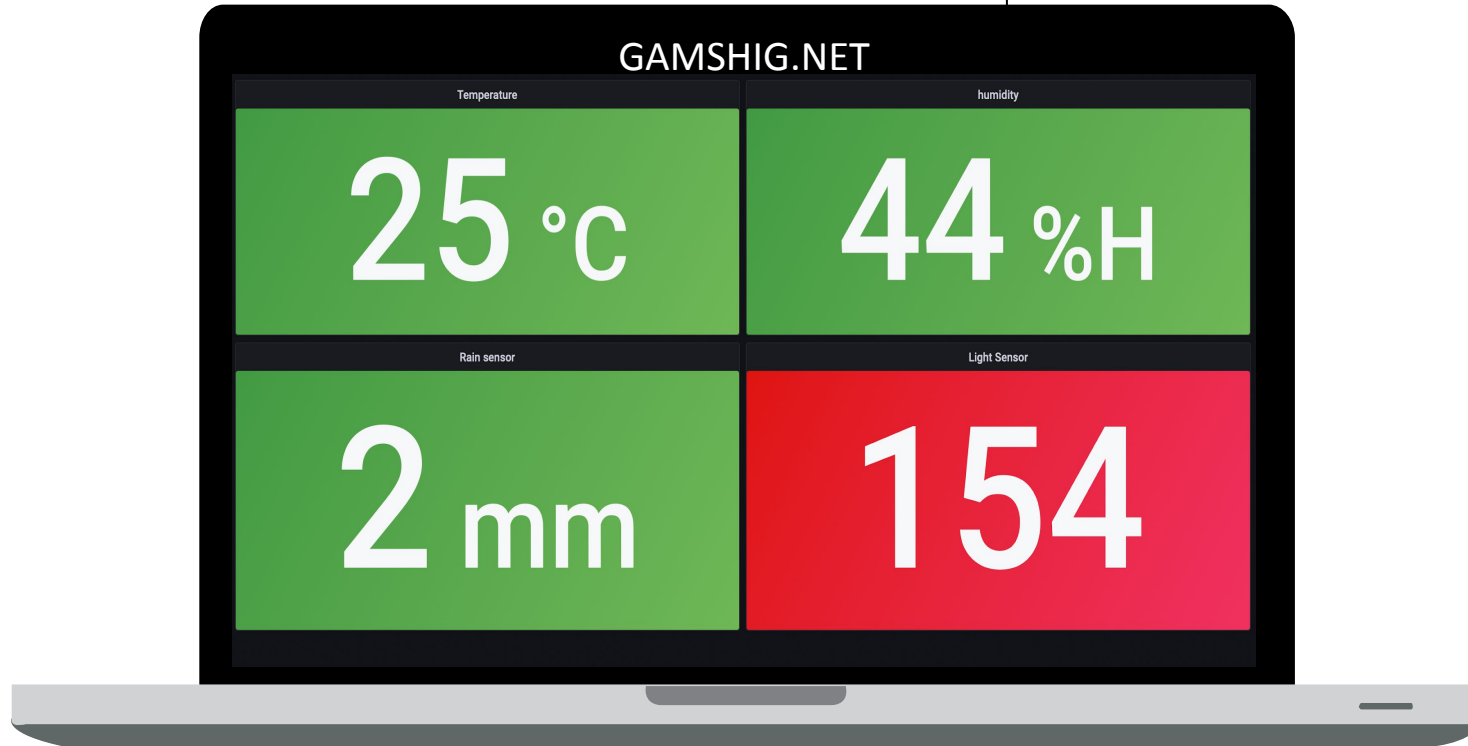


## Wildfire detection based on AI

IoT system

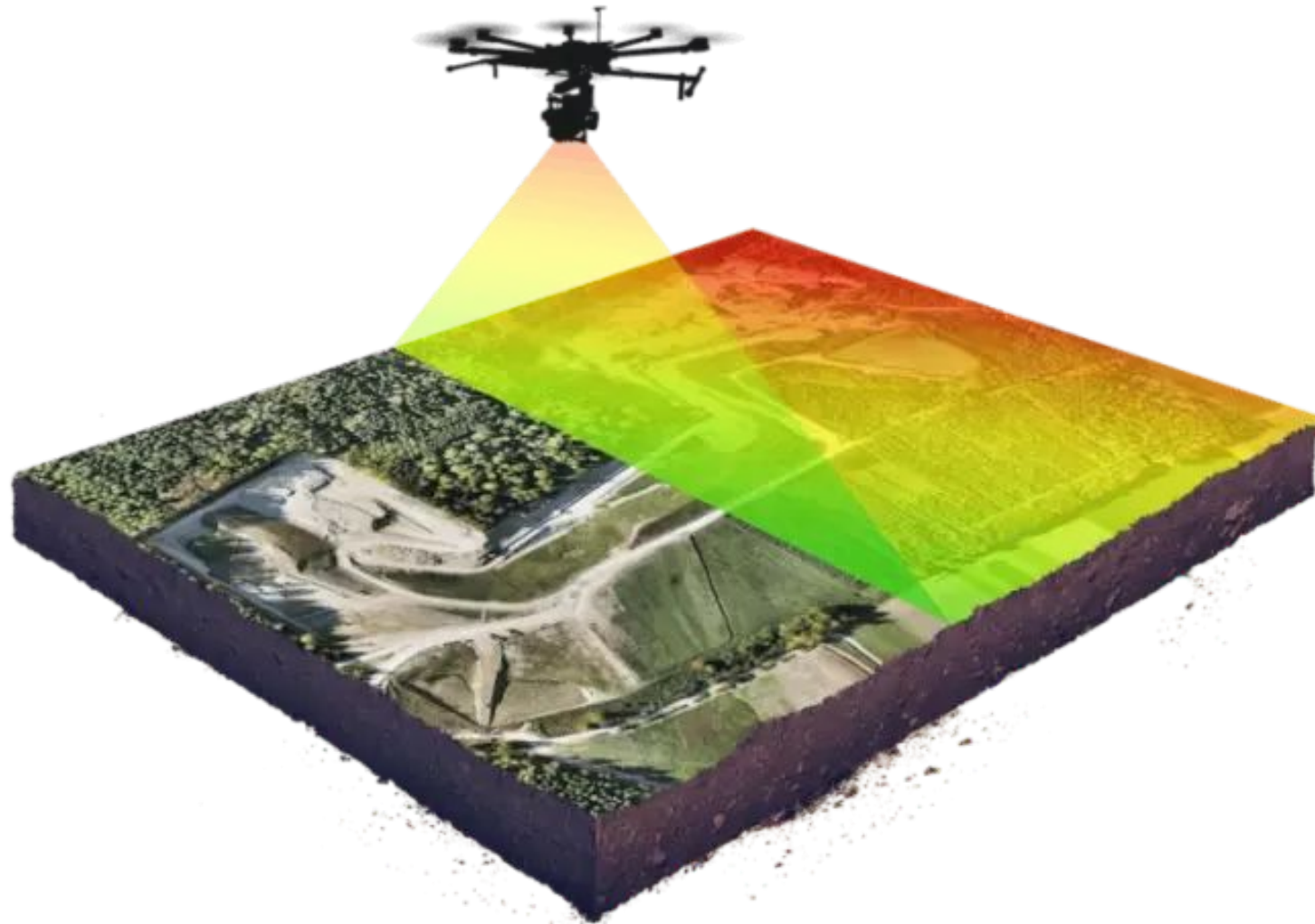
- CO2 sensor
- Temperature sensor
- Humidity sensor

Monitoring



Environmental sensor  
monitoring  
Detect fire based on  
environmental data

# Lidar 3D mapping



Wildfire detection system with Deeplearning



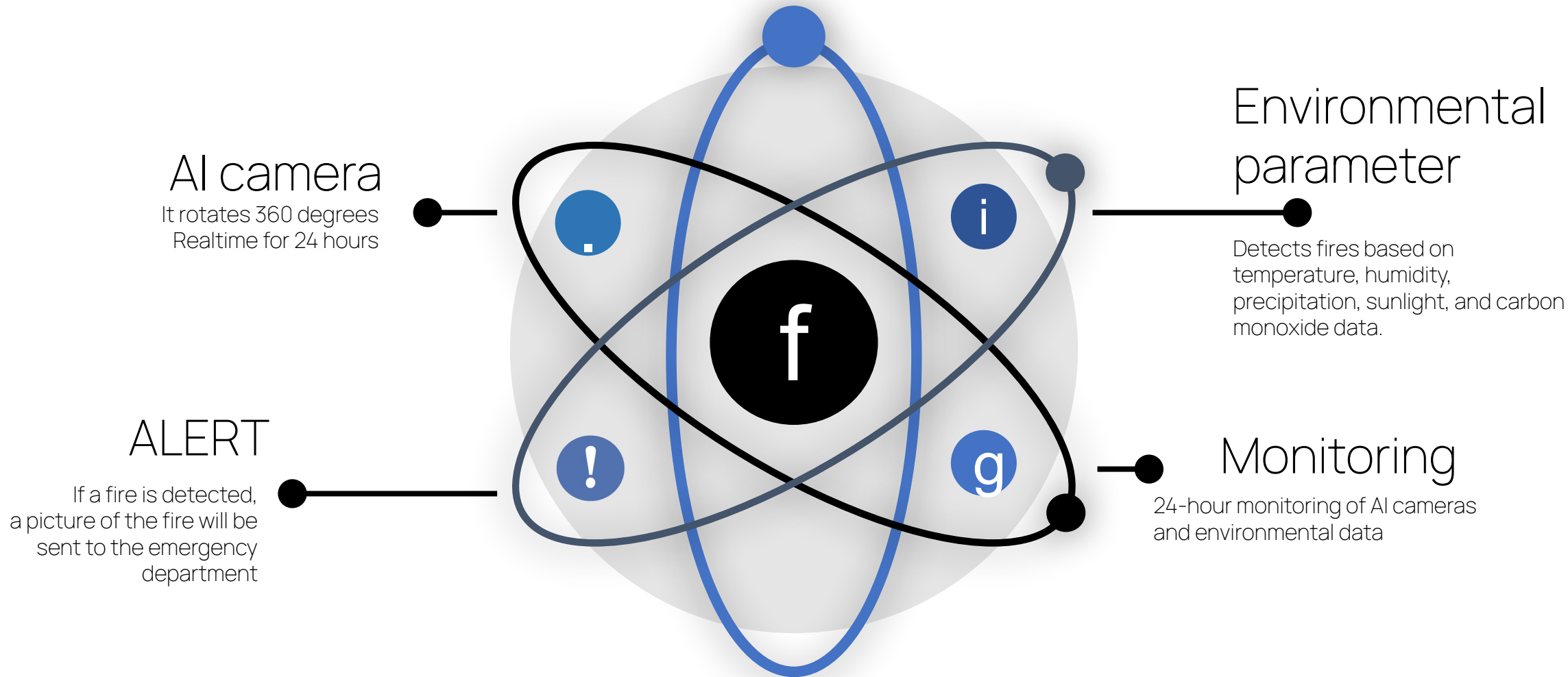
# Manual flight

2024.08.07



2024.08.20





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1. Токио Их сургууль болон НЭСТРА -тай хамтран босоо байдалд нисэж буух чадвартай дроны хамтарсан хөгжүүлэлт, туршилт
2. Лидар сенсороор Улаанбаатар хотын өндөржилтын дата авч үерийн симуляци хийх
3. Стратосфер давхрагын дроны туршилт