

ForestGuard

Faster

Early Fire Detection System

Early detection and warning in forest fires providing Air Quality Measurement, Toxic, Flammable and Explosive Gas Detection through an IoT-based mesh network system solution.



50,000

sqm Application Area

20+

Partners

4

Incubation Center



PROBLEM

- * Fire detection duration is too much
- * Infrastructure requirements
- * High costs



TARGET MARKET

- * Energy Distribution Companies
- * Forestry Facilities
- * Resort Hotels
- * Residential Areas



SOLUTION

Early fire detection and tracking system by creating a mesh network in remote forest areas, we call it "Internet of Trees" through using LoRaWAN technology without any infrastructure requirement.



OPPORTUNITY

- * Focused Business Model on B2B
- * Innovative Solution to Climate Crisis Problem
- * High Social Impact
- * Pointing to 6 out of 13 Sustainable Development Goals



BUSINESS MODEL

1. Install the devices on site
2. Gather and process the environmental data from site
3. Notification on alarm mode



WHY INVEST

- * High Traction (Idea to Sale in 1 Year)
- * ROI - 90%
- * Can be Expand/Scale to Different Markets by using same R&D Infrastructure
- * In-House R&D and Know-How



ADVANTAGE

- * Innovative Technology
- * Social Impact
- * Plug&Play System
- * Low Cost



ACHIEVEMENTS

- * BigBang 2021 - Most Funded Startup
- * Basaksehir Living Lab 2021 - 30.000 TL Award
- * James Dyson Award - 2nd Award
- * EnerjiSA VME Accelerator Program
- * Sabanc ARF Accelerator Program
- * Gold Medal Award at ISIF'23 International Fair!

ForestGuard

ForestGuard™ is an early fire detecting and tracking system for forests, which employs LoRaWAN technology to create a mesh network system to provide fast, economic and plug&play solution on a high-social impact climate problem.



www.nowildfire.com

info@kozalakyangin.com.tr



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