

Lifecycle Tree Management Platform

AloT-Based Tree Management Solution

A comprehensive platform leveraging EMR (Electronic Medical Records) and diagnostic data collected by certified tree doctors.

















Company

Greener Lab Inc.

Established

2023. Feb. 23.

Address

HQ: #802, Industry-Academia Cooperation Center, Chonnam National University, Gwangju. South Korea

• R&D: #203, Incheon Startup Park II, Incheon. South Korea

Target

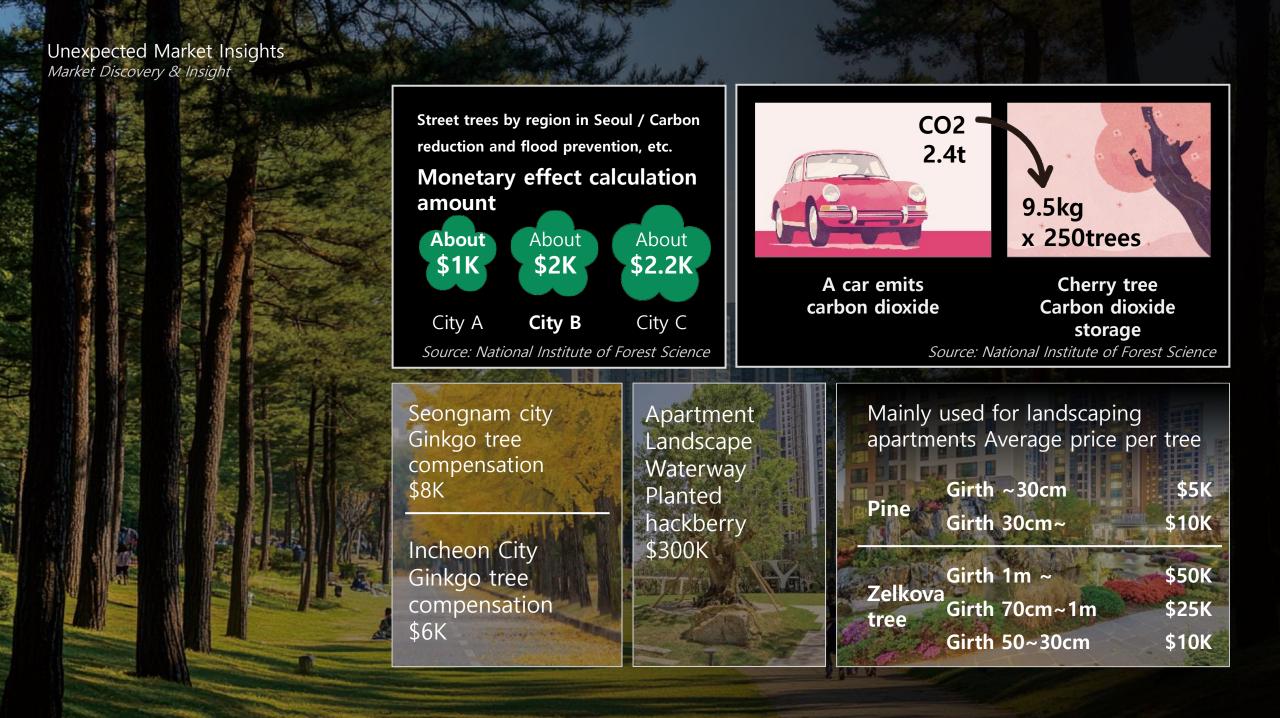
- Organizations and enterprises managing trees as physical or environmental assets
- Enterprise-level arboretums, golf courses, hospitals, resorts, etc.
- Public parks, local government green spaces, residential landscapes

Mission

- Transform analog-based tree management into a digital standard
- Maximize operational efficiency across the tree care market through a data-driven platform

Value

- Increase the value of tree assets while contributing to carbon reduction
- Enhance time and cost efficiency for tree hospitals and landscape management firms



The growth of an attractive market that began

of exam applicants

of tree doctors

By year

by year

2019

2020

By non-professionals From indiscriminate misuse of pesticides, etc. To protect trees and the health of citizens

Since 2018

National qualification system for tree doctors started. Initiation of laws related to Tree Hospital.

Trees in public places must be diagnosed only by a tree doctor affiliated with a tree hospital. Prescription \cdot Prevention \cdot Medical treatment is available.

A tree doctor's certificate and prescription are required for treatment.

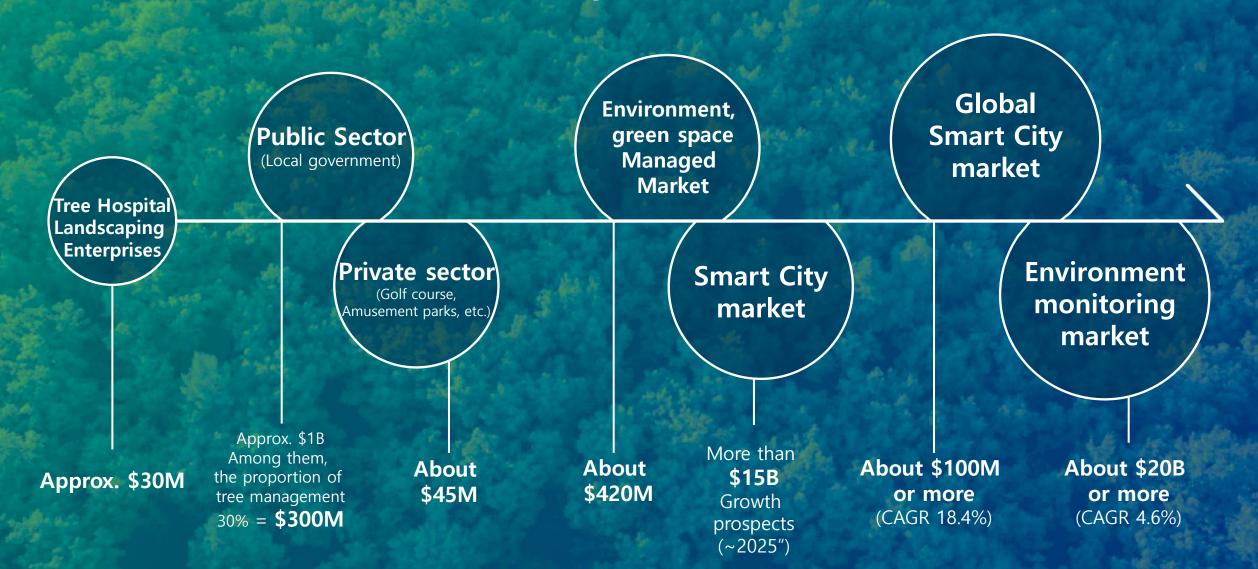
Enforcement of the law in June 2023



2022

2023

Greener Lab's Perspective on the Market

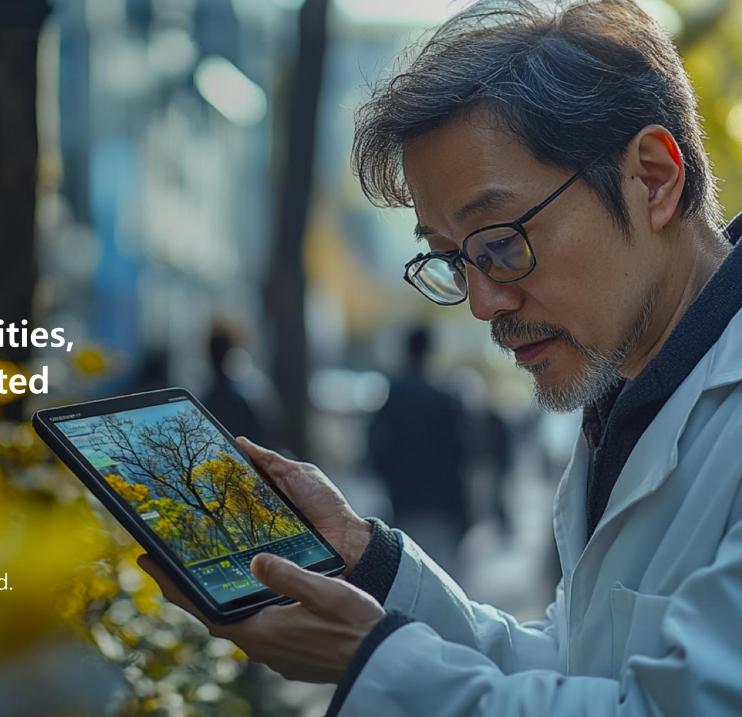


Unique strategies for gathering data *Unique Strategy*



TreeAiD proposes possibilities, Professionalism is completed by tree doctors.

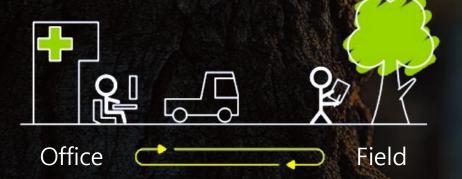
Smarter with AI,
Diagnose more professionally,
The choice of a tree doctor to change the field.



Unique strategies for gathering data Unique Strategy

A tree doctor who is obliged to deliver various documents to his clients

Article 21 of the Forest Protection Act



[Documents for general diagnosis]

- 1. Medical Department
- 2. Medical certificate
- 3. prescription
- 4. Work Orders
- 5. Work Statement
- 6. Completion Report
- 7. Pesticide Use Report

[Tree Safety Diagnosis, Risk Assessment Procedure]

- 1. Primary diagnosis of 1,000 trees Check 40 items
- 2. After calculating the risk, A~E grade is given
- Only C~E grades are diagnosed with secondary precision
 Measurement through precision diagnostic machines such as non-destructive diagnostics
- 4. Creation of documents such as medical departments, medical certificates, prescriptions, and work orders
- 5. Completion report (180 pages)

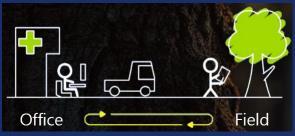
Unique strategies for gathering data Unique Strategy GREENER LAB 1. Take images on site 2. Al Analytics 3. Automatic generation of medical charts and prescriptions Continuous management effect due to integrated data history management Al automatically diagnoses and prescribes pests Preemptive management through prediction of diseases through Al history analysis and weather information linkage

Unique strategies for gathering data Unique Strategy

5~8 hours reduced to just 20min

AS-IS

Writing a diagnostic prescription took 5~8 hours



- 1 Record on paper or KakaoTalk on site
- (2) Back in the office in Excel and Hancom documents



TO-BE

EMR (Electronic Medical Record) Service For tree owners **Tree Management Dashboard**

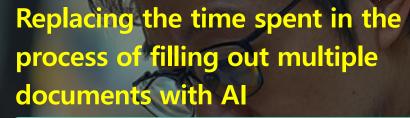
Step by step with simple input &

Completed according to the form of each

Create medical records with smartphone & tablet

- Write right in front of a tree
- Saved as PDF & delivered to

- # Tree Healthcare Tracking
- # Al Preparation of service report
- # Create an Al Diagnosis report



go to sales.

Customer's solution **FLOW**

(1) Take images on site

My work hours have decreased

dramatically. I have more time to

- Incheon Tree Doctor -

- (2) Al Analysis
- (3) Automatic generation of medical certificates and prescriptions

Customer sales Rev.

192% rising

Business hours have increased as business hours have decreased

Well, I don't have to go to the office anymore. I have to leave work immediately at the site

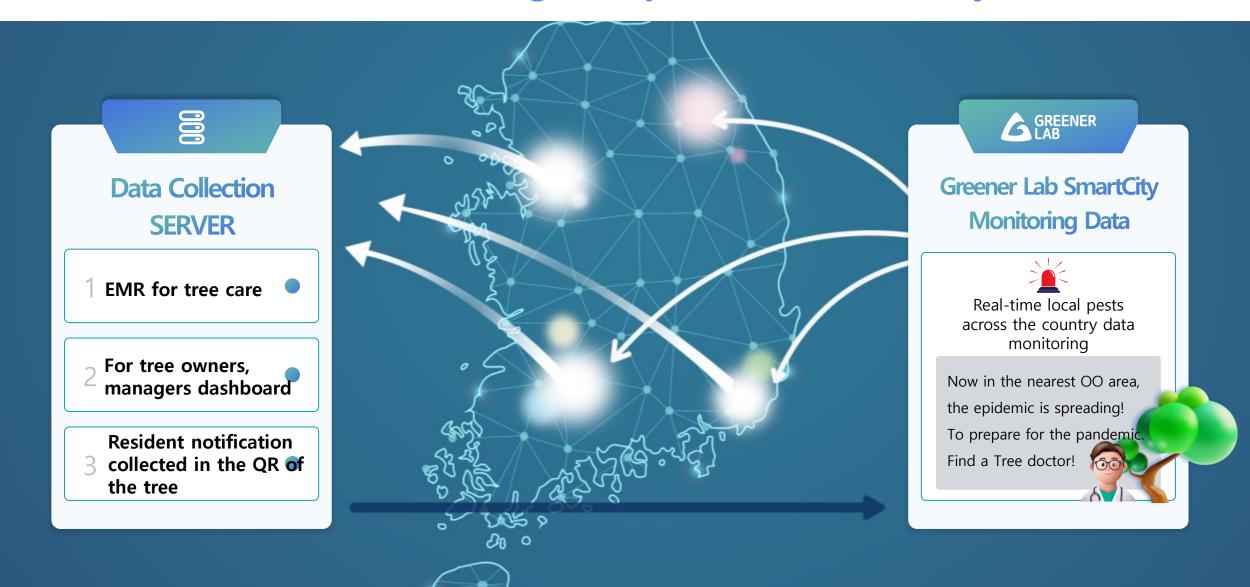
Gwangju Park Tree Hospital



24.04.22 位置在在100 设置的特别 数据4年

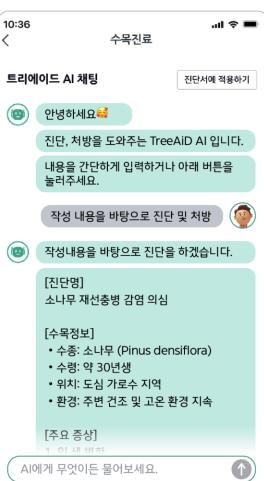
福田 単心和 御教者 下記でき

Real-time monitoring and preventive alarm system



More efficient in the field, more professional in tree doctors





The Appeal of Growth Markets Growing Market Opportunity

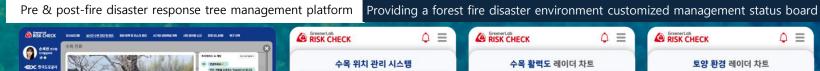
Not only tree hospitals and landscaping companies,

Tree owners/management organizations also express their needs









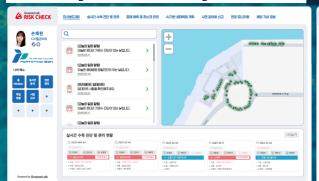




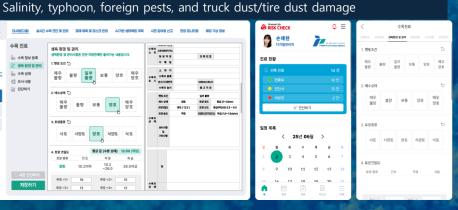


Incheon Port Authority Platform Delivery Case & reference

Marine Neighborhood Tree Management Platform







Identifying needs through interviews with Korea's largest arboretum, large hospitals, amusement parks, and campus landscape managers

Trees are acquired and managed as assets, but there are difficulties in managing the history of each tree.



Lack of proper programs for Suitable tree care

There is a need for a program to identify individual trees and manage their respective historical history, but there is no



Lack of continuity in history, due to the absence of a family doctor for the trees

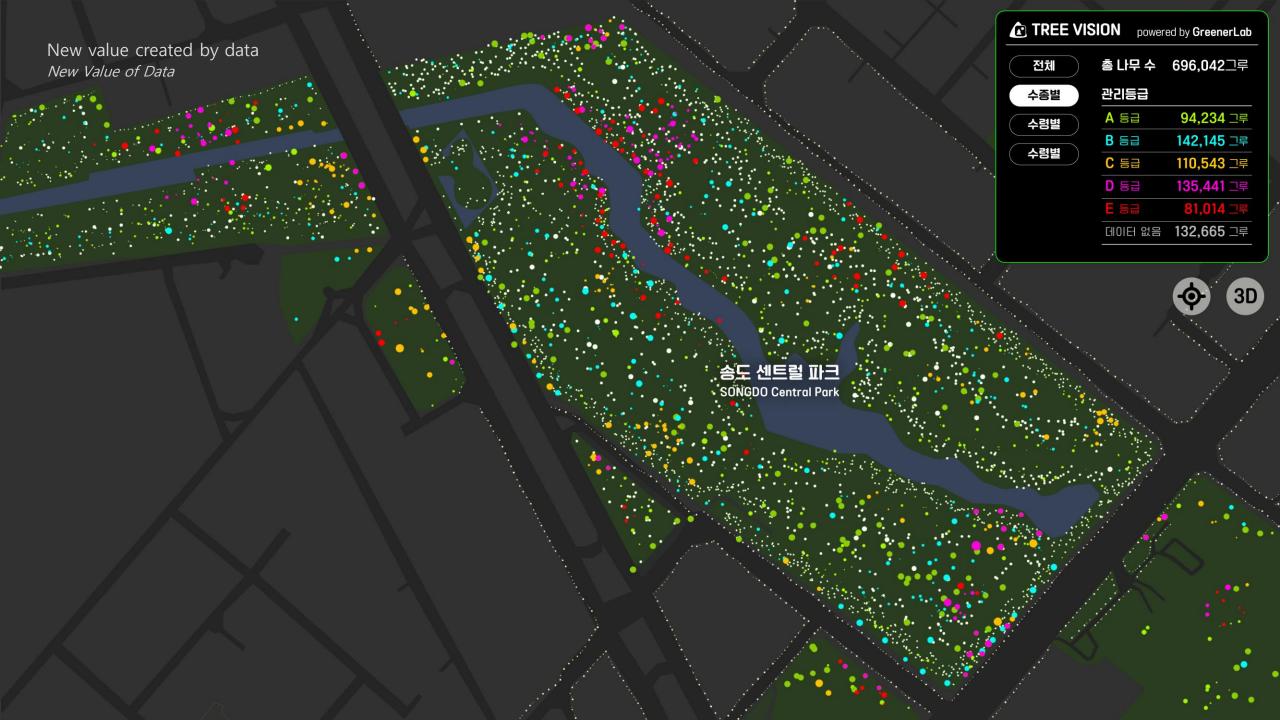
Because there is no primary care physician or lifelong manager to manage the entire life of the tree, the continuity of history management disappears.



The health of the tree Influence on asset value and KPI

Failure to manage trees in a healthy way affects the company's assets and the personnel performance of the person in charge.







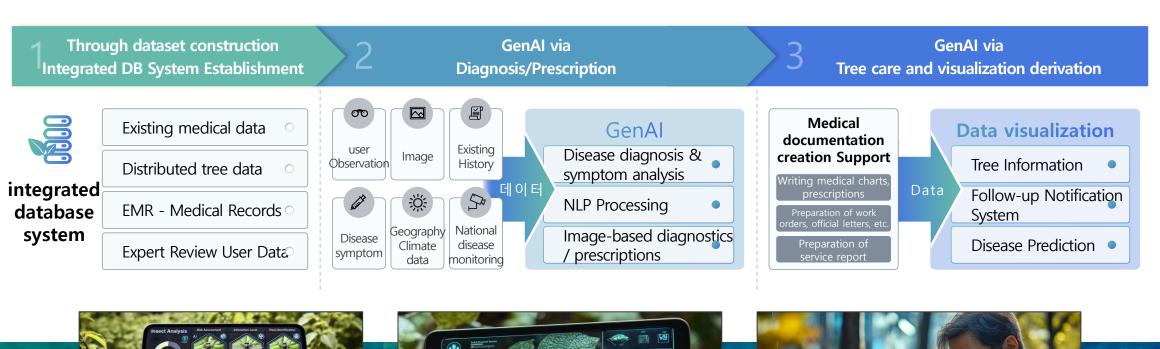
조속한 치료를 위해 감염 부위를 제거하고, 적절한 살균제 살포 및 환경 개선

을 실시해야 함.



Combining generative AI and EMR

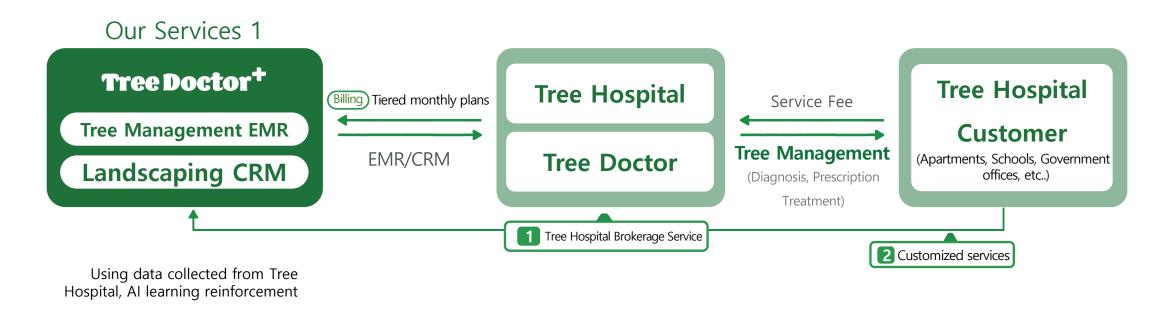
Efficient tree management through rapid and accurate diagnosis, prescription, and prediction

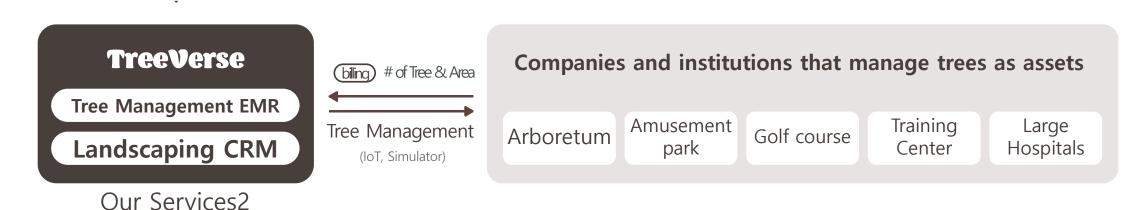




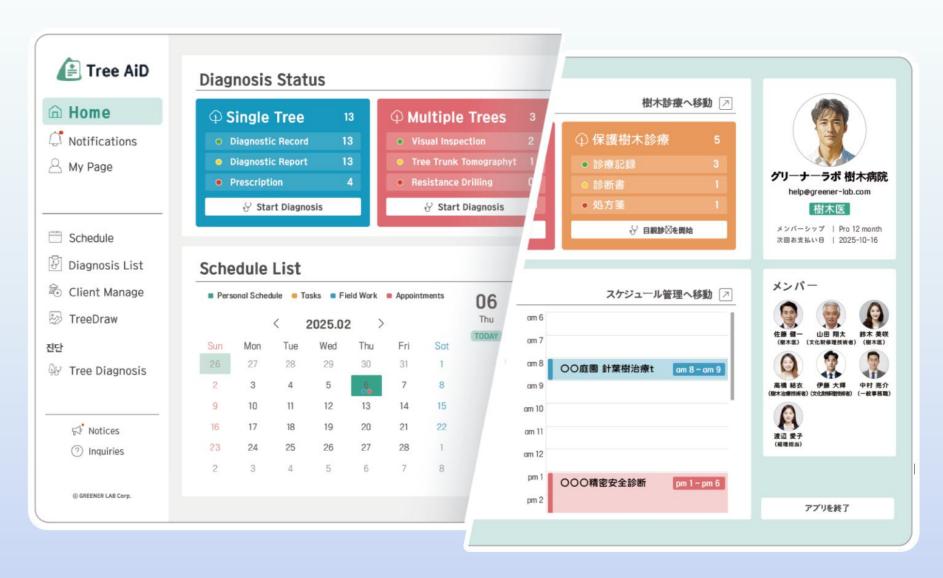








Needs and expansion from Japan, Singapore/Malaysia, South Africa/Kenya



Partners to make success a reality

Microsoft

Leverage Microsoft Azure Al

Collaboration for the development of generative AI tree care technology

(#Technical Collaboration)

#Deep dive tech-consulting

#Joint Marketing / Market Development & sales

- Selected as 2023 MS Open Innovation
- Selected as 2024 MS Startup Accelerator
- Selected as a 2024 Global Enterprise Collaboration Program

Korean Tree Doctors Association

Providing and inspecting data for tree care S/W and AI development

Al training data review using expert groups

User co-marketing and joint seminar

- Promotion at local branches and joint seminars
- For the promotion of Greener Lab's 'Tree Doctor +' S/W Joint marketing and seminar



ONE & ONE Tree Hospital

For tree care S/W and AI development Data Provision and Inspection

(#12 years + α tree care data provided)

Tree care infrastructure and test bed

- One of the Top 10 Tree Hospitals in Korea
- The only on-site internship program for tree doctor certificate holders,
 Operation of the 'Tree Doctor Academy' program

Ministry of Forest Service

Fostering startups in the forest field

• Awarded Forest Youth Entrepreneurship Contest by the Ministry of Forest Service

According to the legislation of the Forest Service's new project, the 'Tree Doctor' system, Promote work process

- According to the Forest Protection Act related to tree doctors' diagnosis and prescription,
- Marketing according to the promotion of diagnostic prescription solutions