greehill
WE GIVE
YOUR
TREES
A VOICE

The climate & environment is changing faster than our trees can keep up with
Urban trees are becoming increasingly stressed

AI-POWERED URBAN TREE MONITORING

greehill

Smart Tree Inventory

Make the right decision at the right tree at the right time.

AI-POWERED URBAN TREE MONITORING

greehill

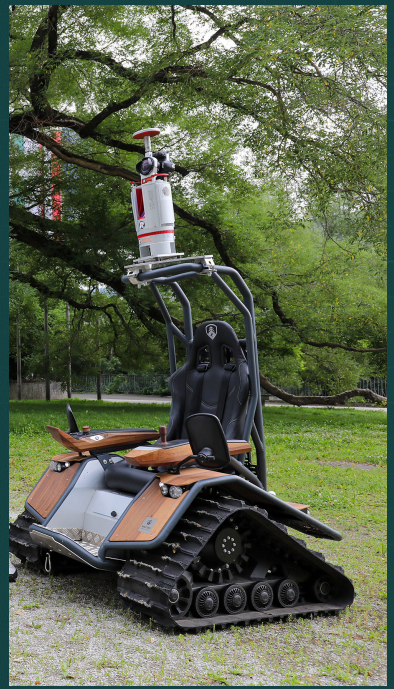
Smart Tree Inventory

1. Improve Safety of Citizens & Infrastructure
2. Reduce Maintenance Costs
3. Increase Health & Benefits of your trees

Smart Tree Inventory

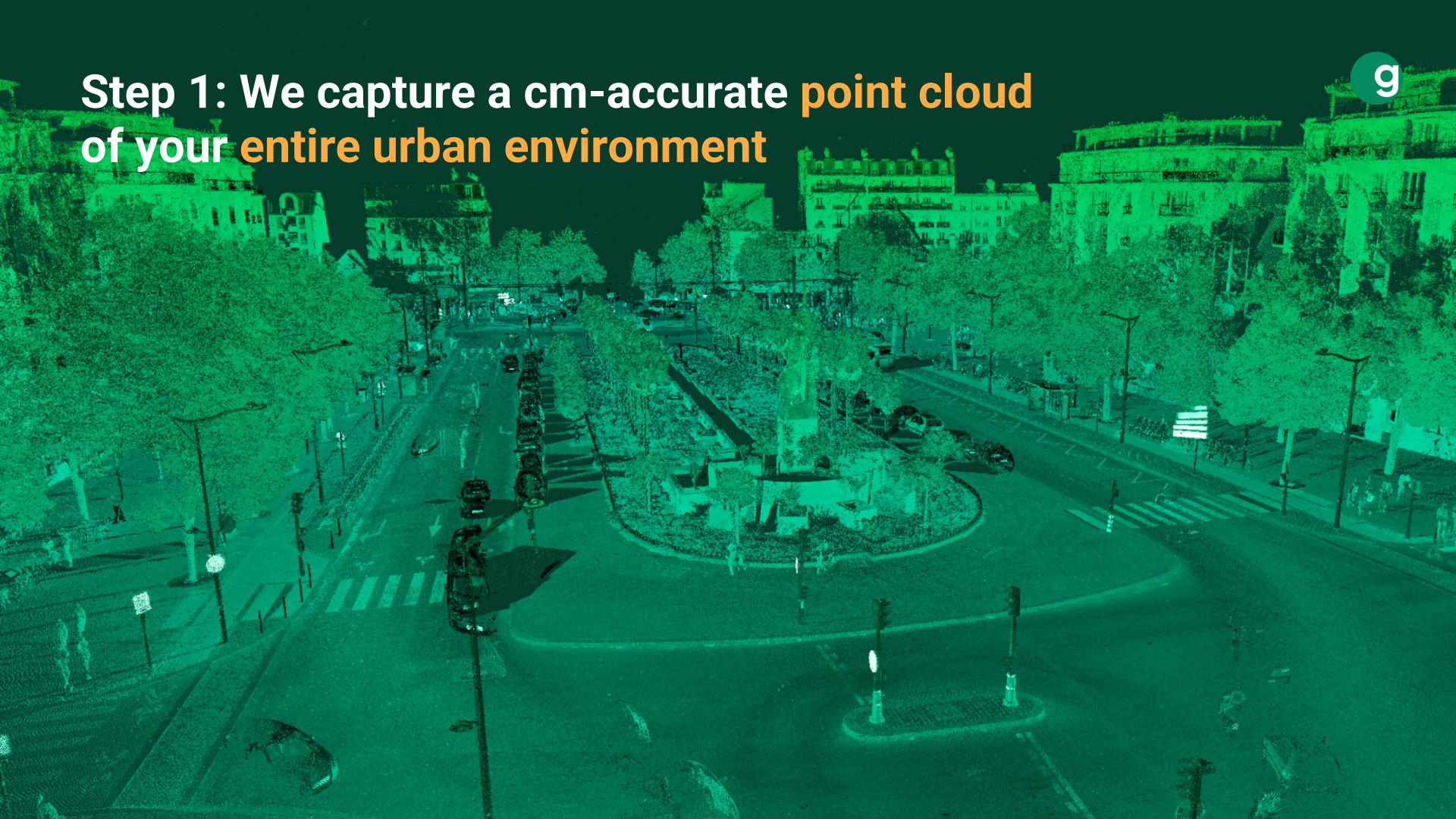
The 5-step process to informed decision making

Step 0 – What you see …

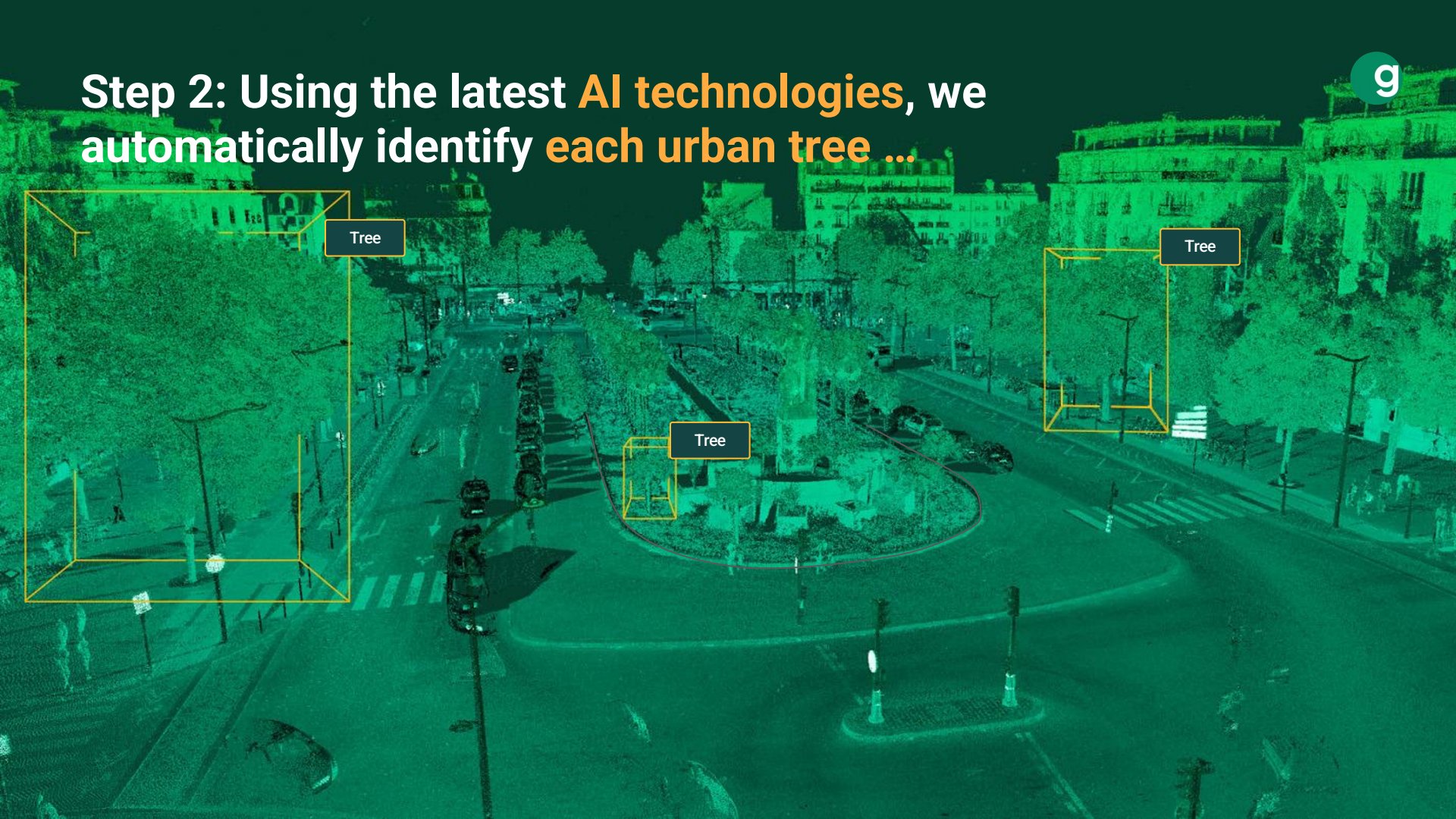


… our tools / hardware:
MLS and TLS

Step 1: We capture a cm-accurate point cloud of your entire urban environment



Step 2: Using the latest AI technologies, we automatically identify each urban tree ...

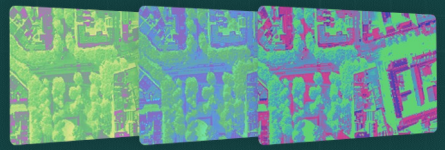


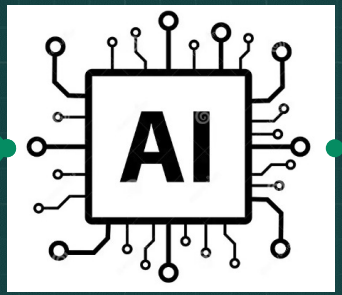
Step 2: … and create a 4D Digital Tree Twin of each tree

Point Cloud

Panoramic Images

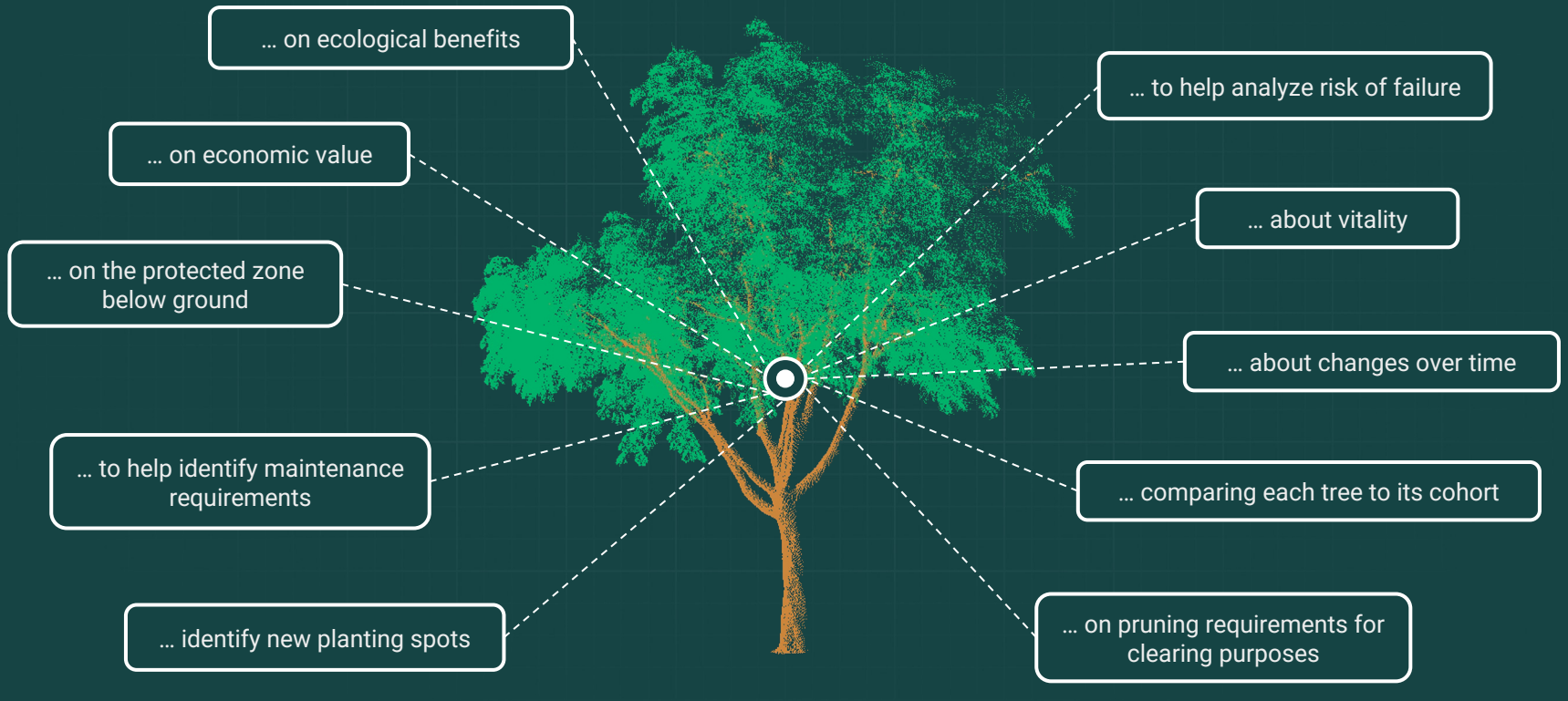
Multispectral Satellite Images





4D DIGITAL TWIN

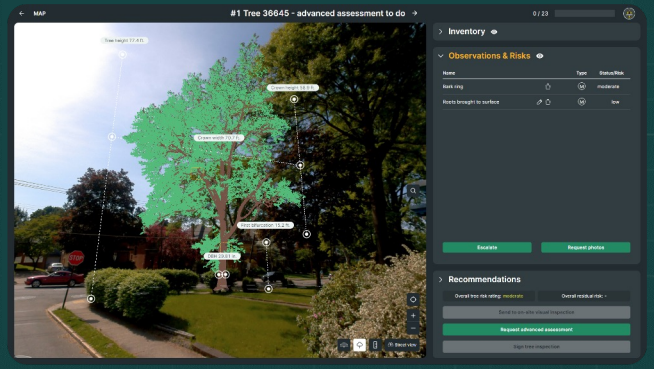
Step 3: We analyse each tree and identify Outliers



greehill digital tree twin

Step 4: Arborists inspect all Outliers

remotely



(approx. 20% of all trees)

&

on-site

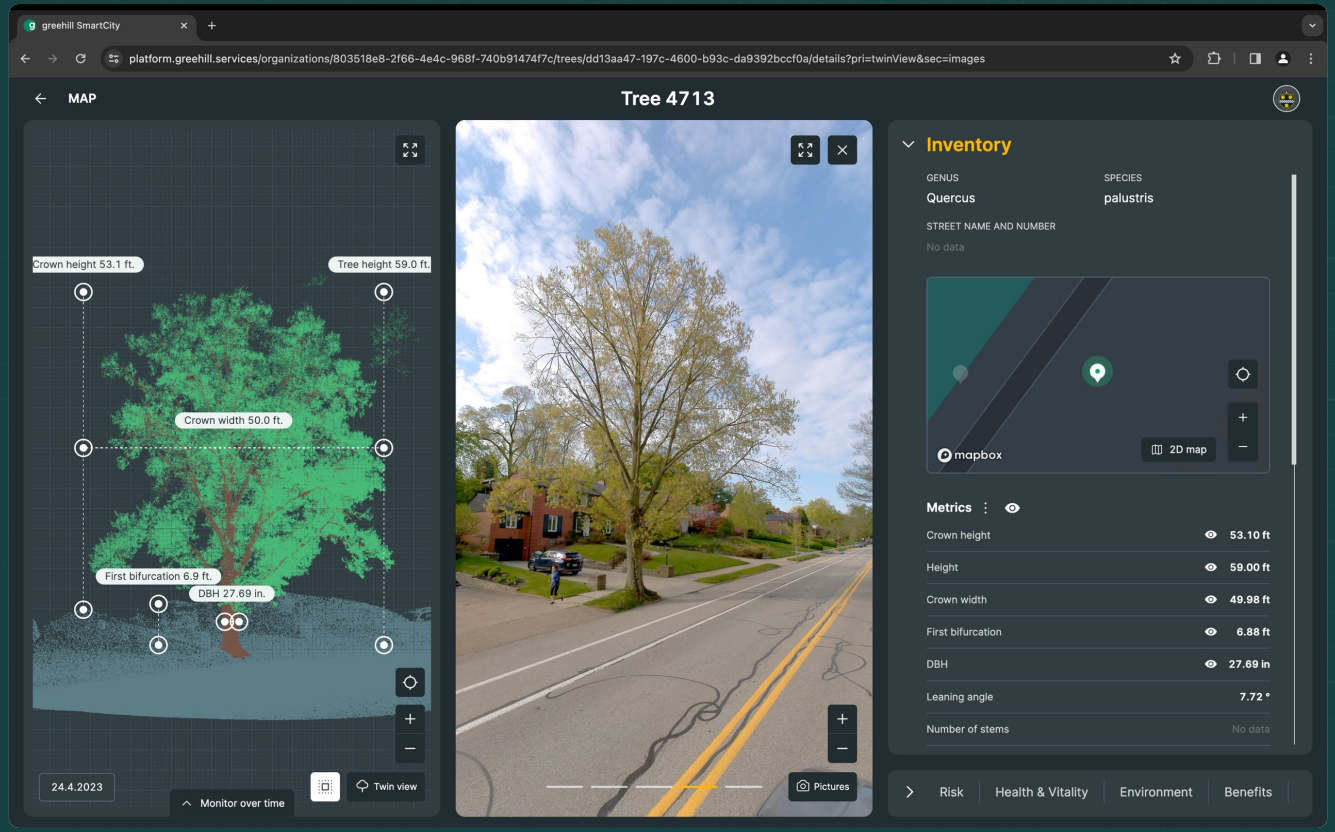
(approx. 5% of all trees)

Step 5:

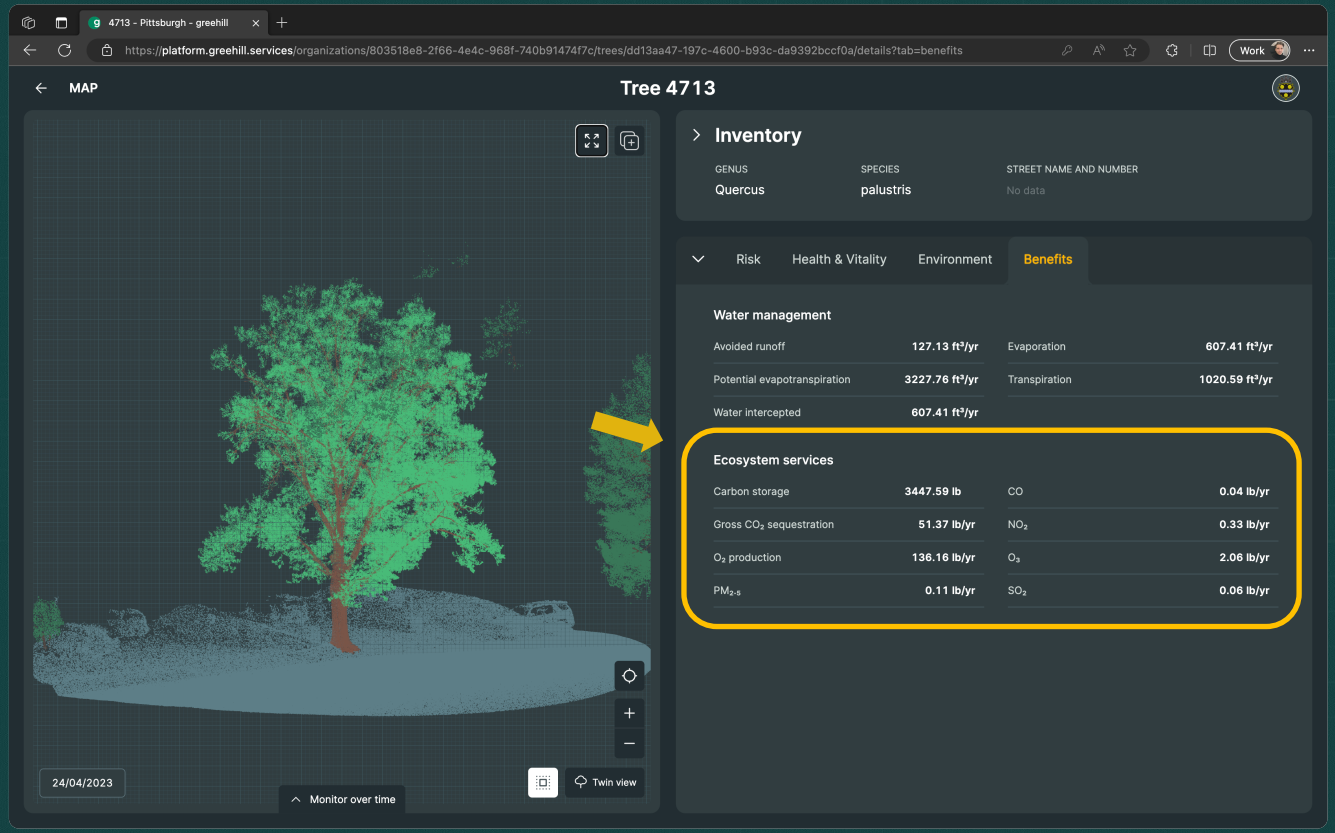
Your urban forest at your fingertips

with greehill insights

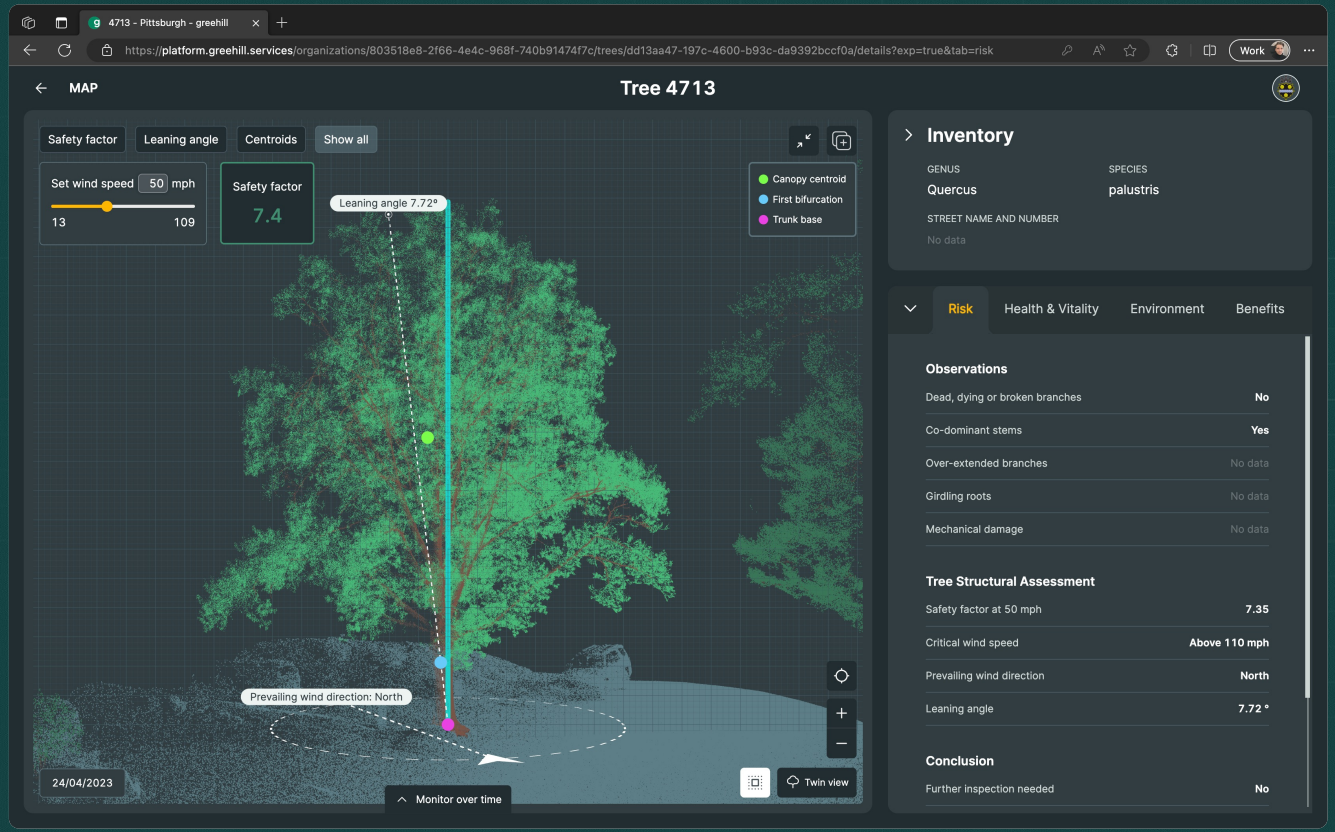
Species, Metrics & more



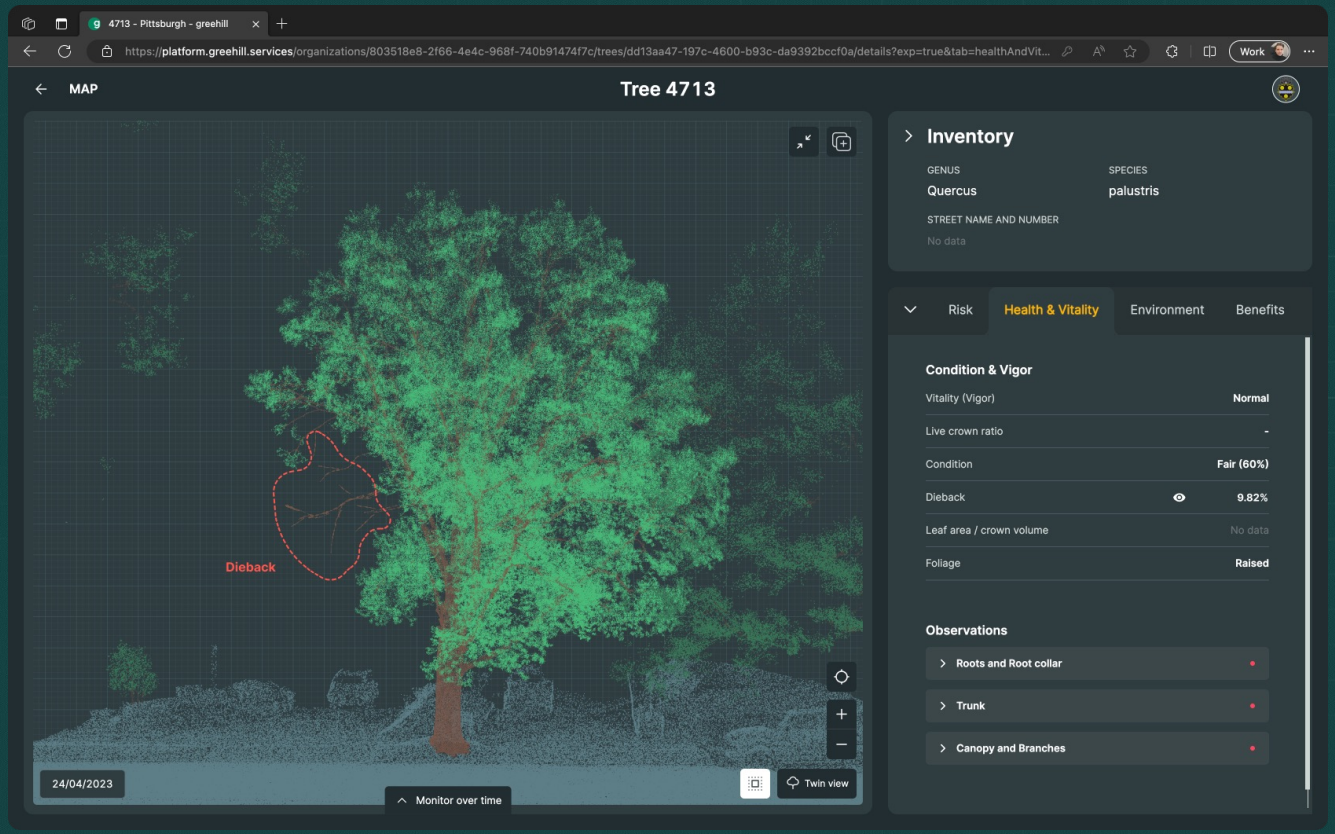
Ecosystem Services



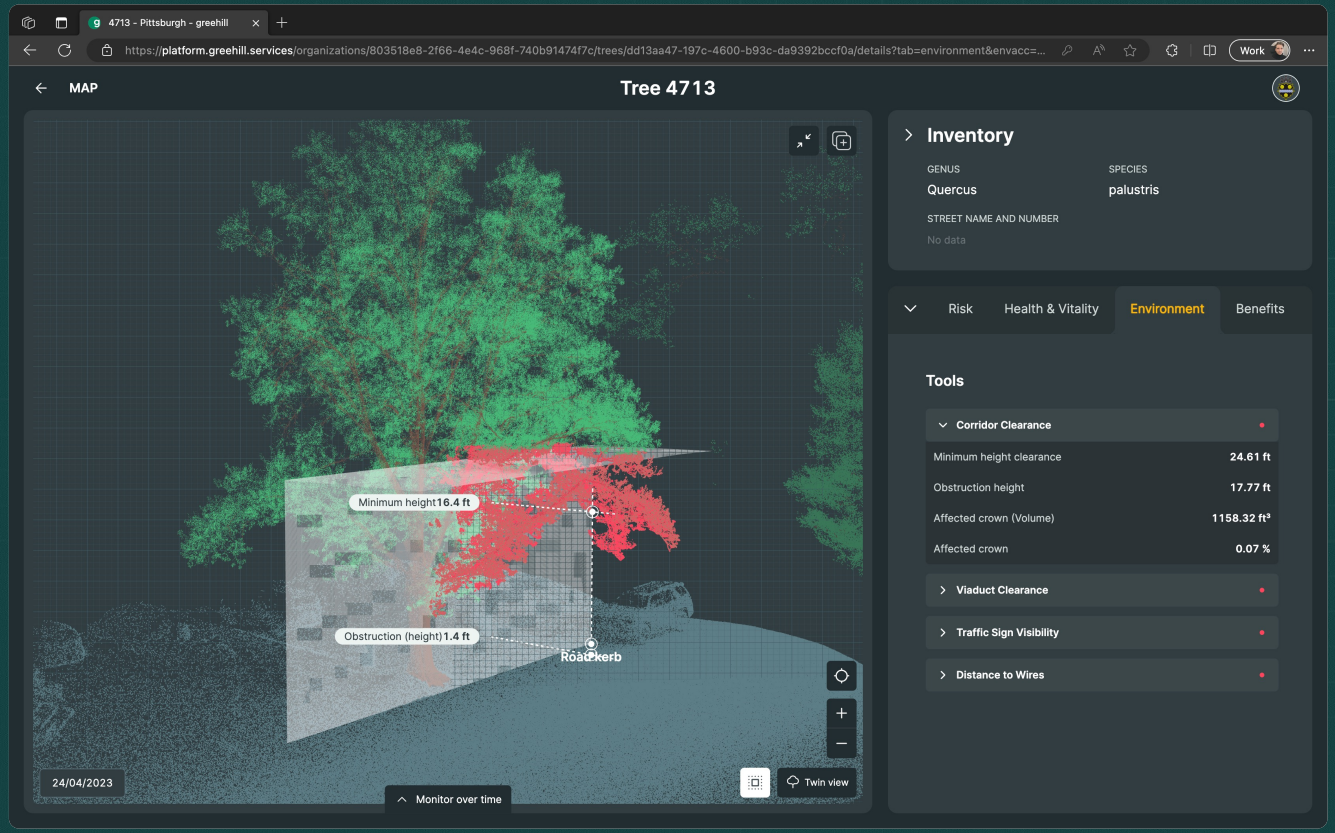
Safety Factor, Leaning Angle & more



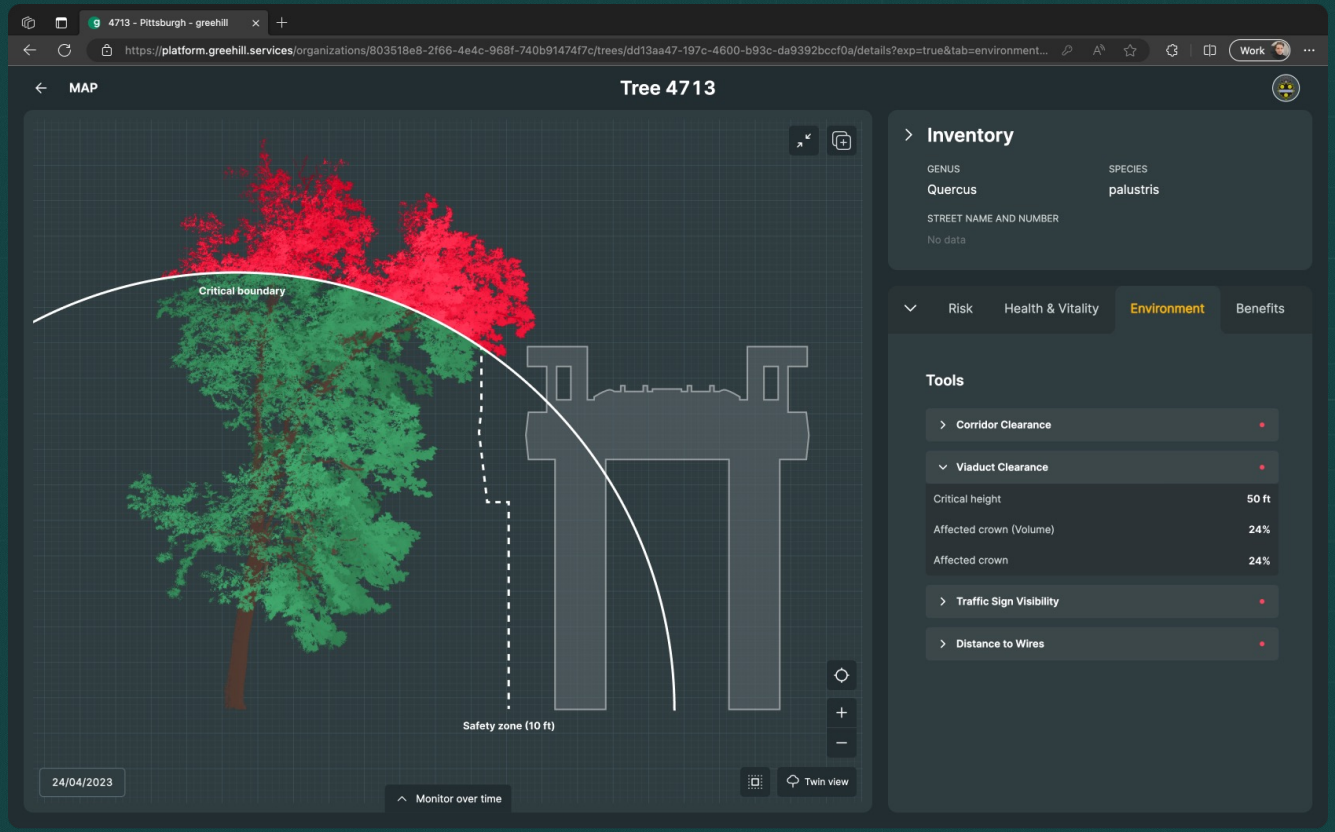
Vitality, Diebacks, Cavities & more



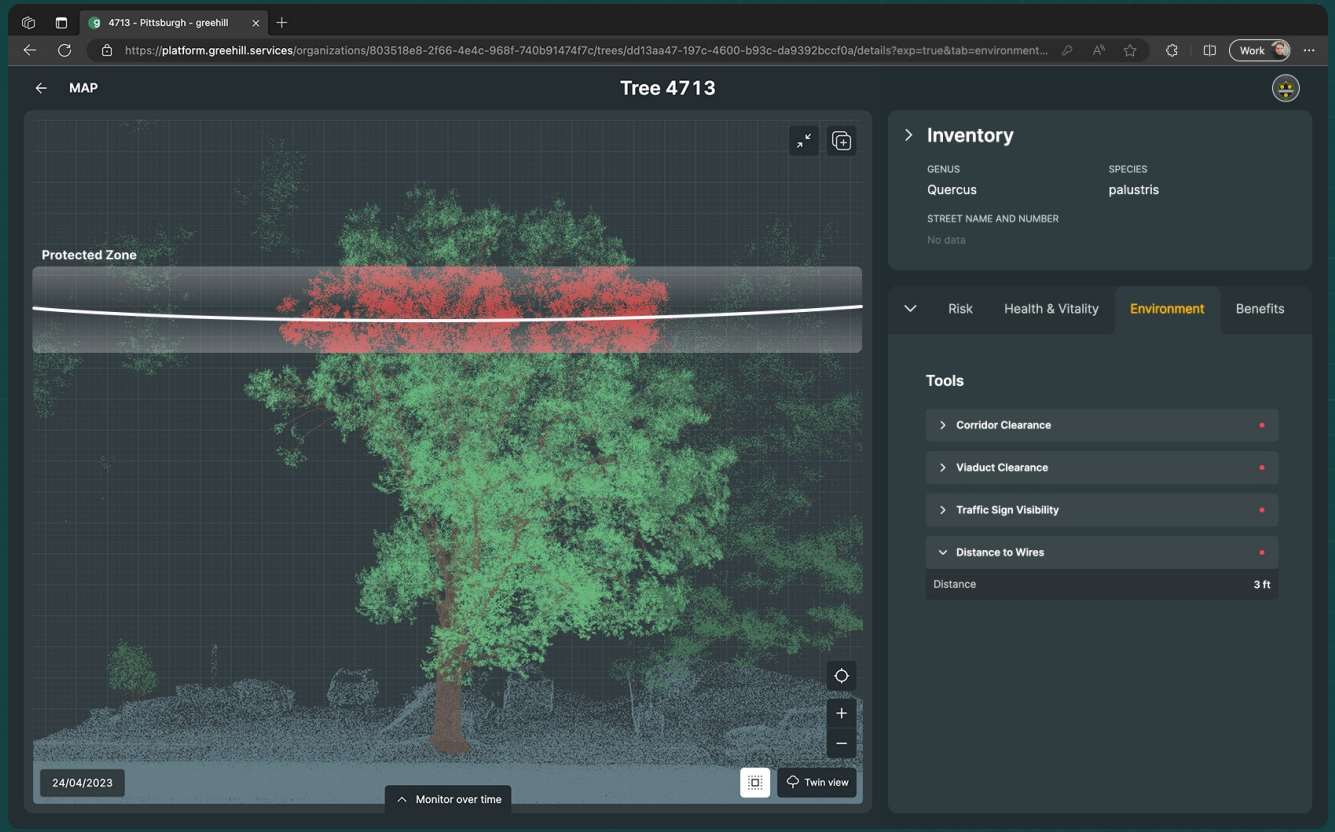
Corridor Clearance



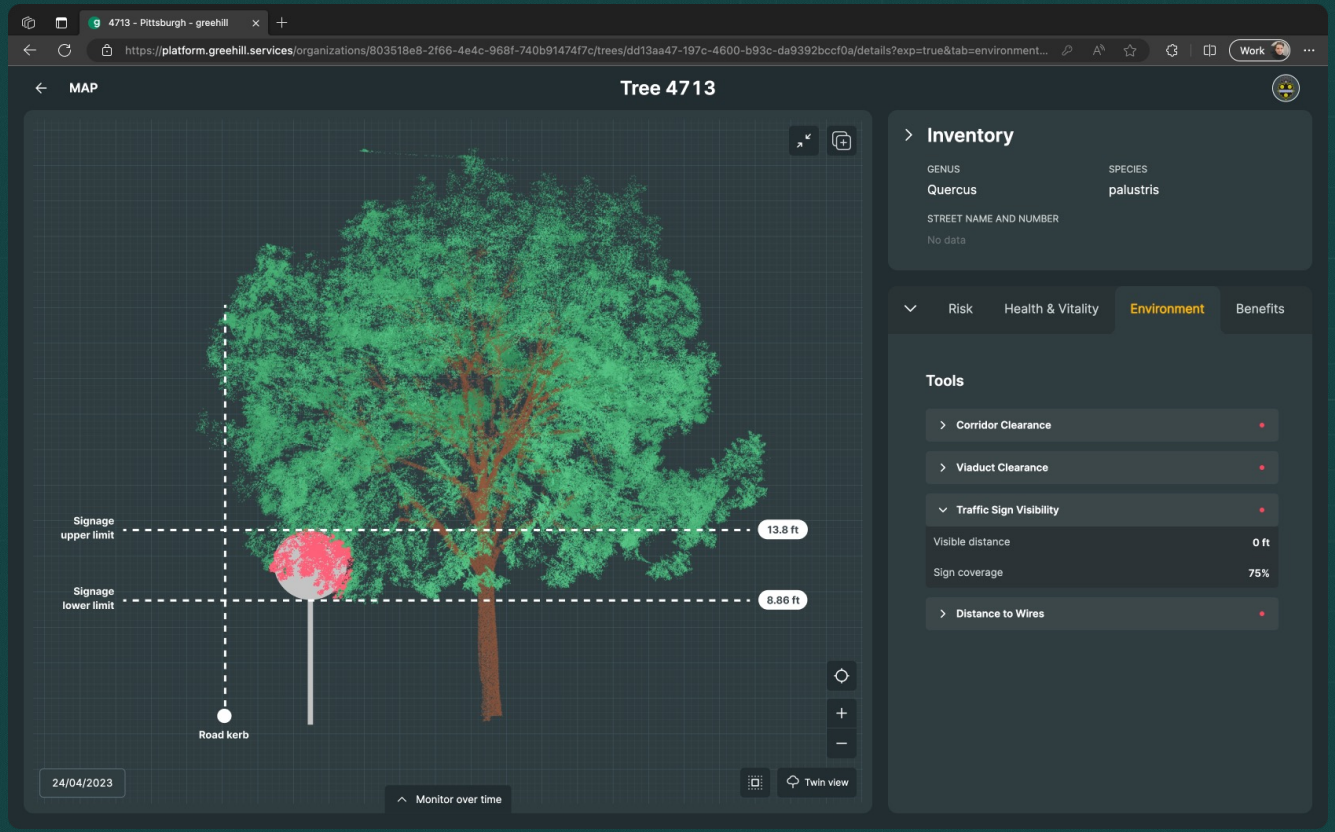
Viaduct Clearance



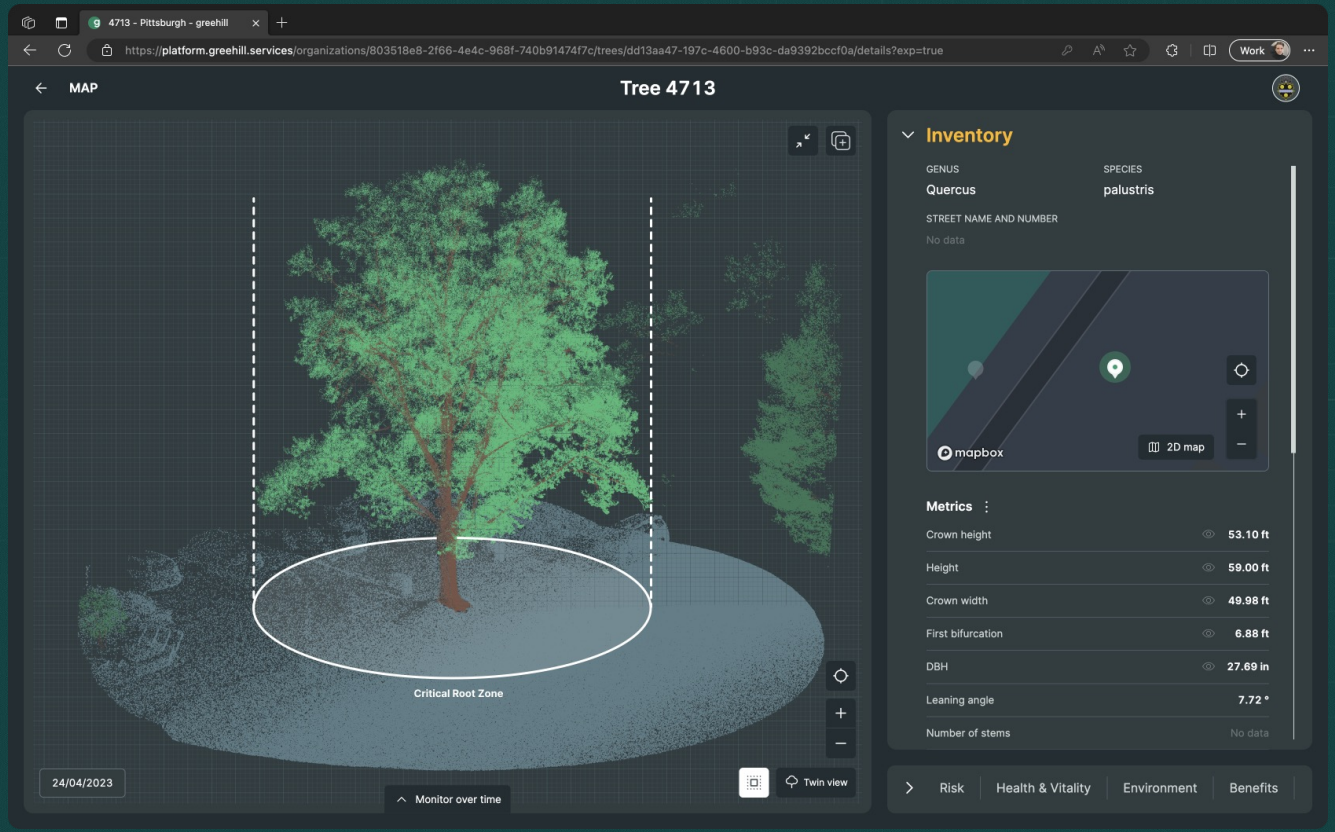
Powerline Clearance



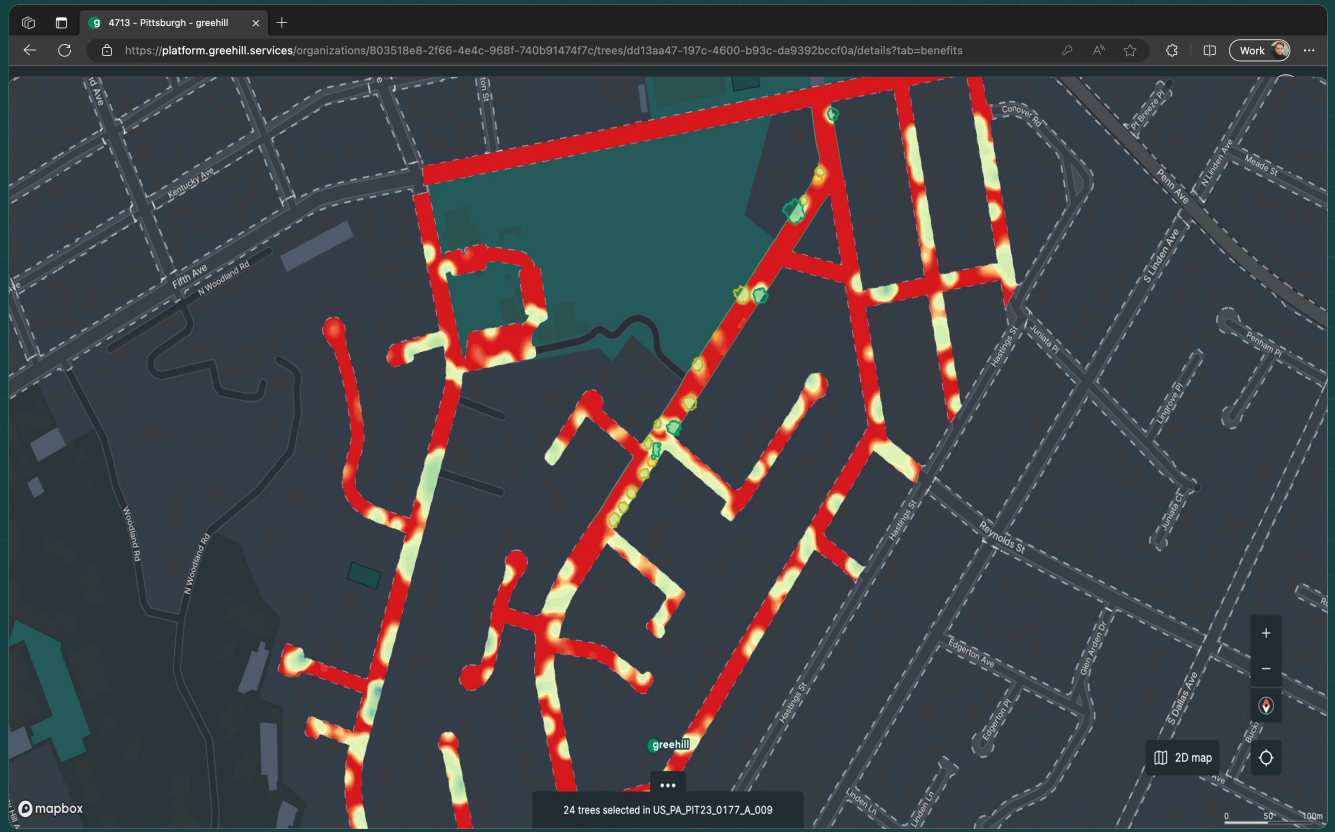
Traffic Sign Clearance



Critical Root Zones



Urban Heat Island Identification



Trusted and Recognized

Founded
2017

Projects
48 in 11 countries

People
85+

Locations
Budapest, Singapore,
Berlin, San Francisco, Paris

Trusted by NParks, Singapore

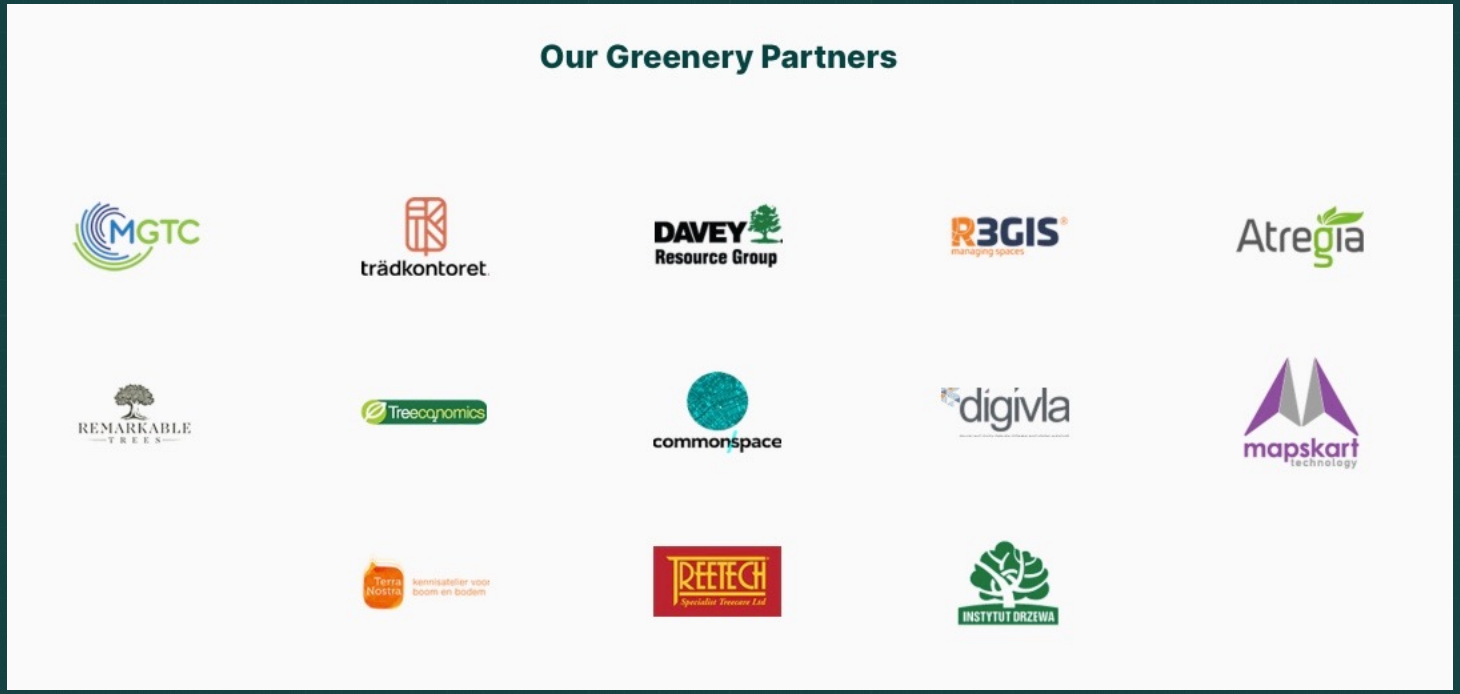
**Awarded by
EIT Climate-KIC**

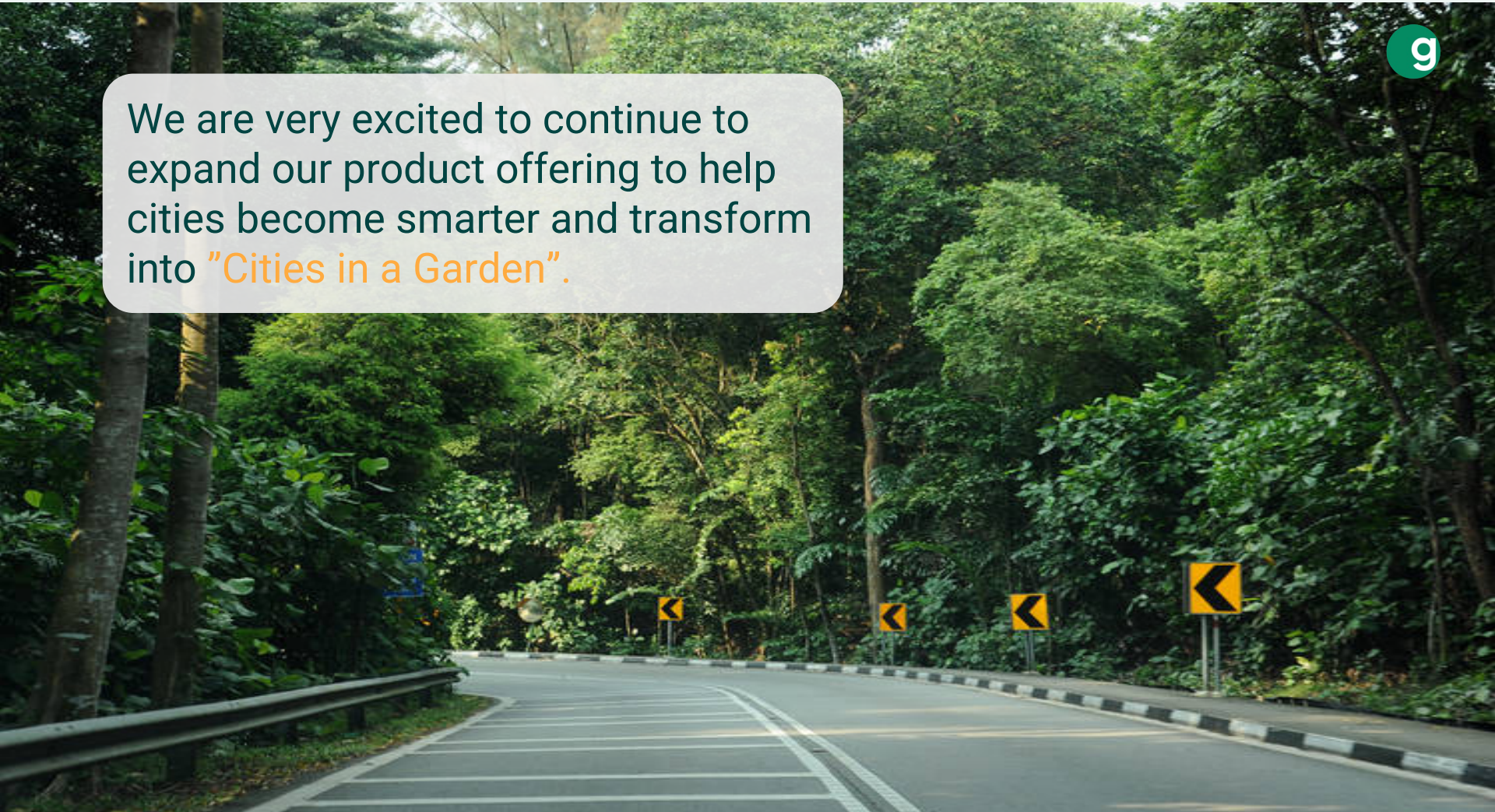
Co-funded by the European Union

Sustainability Awards 2022

handed over by the Minister of Sustainability & Environment of Singapore

greehill Projects – from small to large




We are very excited to continue to expand our product offering to help cities become smarter and transform into ”Cities in a Garden”.

greehill

We give your trees a voice!

with greehill Smart Tree Inventory

sven.koenig@greehill.com
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