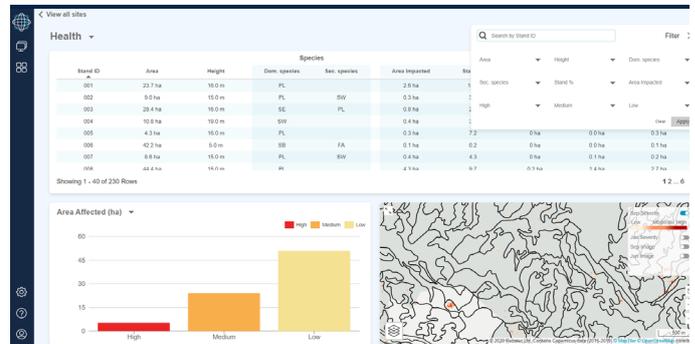
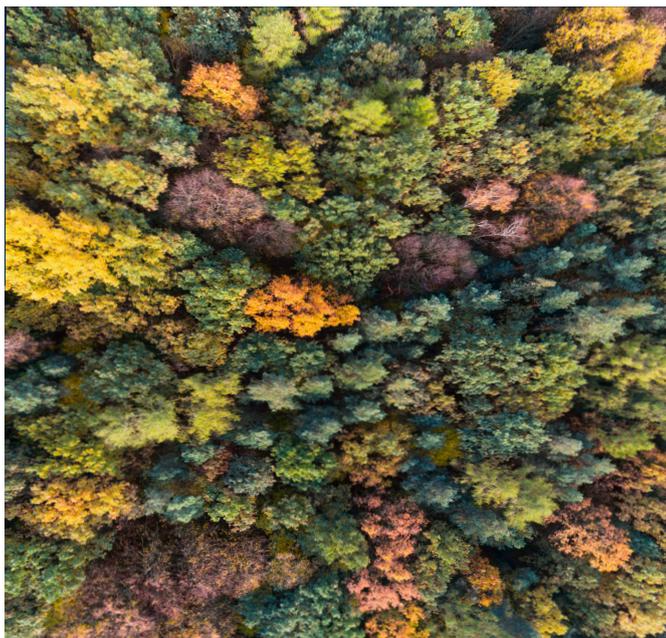


# RESPOND RAPIDLY TO DRIVE VALUE

Rapidly identify forest stands impacted by pest and disease. Dynamically and cost-effectively manage your response. Optimise monetizable timber value.

## Business Challenge

Severe pest and disease outbreaks are a serious threat to managed forests. Negative effects on tree health, such as tree mortality or growth suppression, result in considerable loss of timber yield. This leads to reduced income and timber supply. Until now, pest and disease control has been largely reactive. And, once recognised, large sums are spent on manually identifying affected trees using costly ground or aerial surveys to prevent or reduce the spread to other forest assets.



Forest Health alerts and calculates crucial metrics

## Accelerate response times

Forest Health enables you to dynamically manage pest and disease response to maximise monetizable timber value.

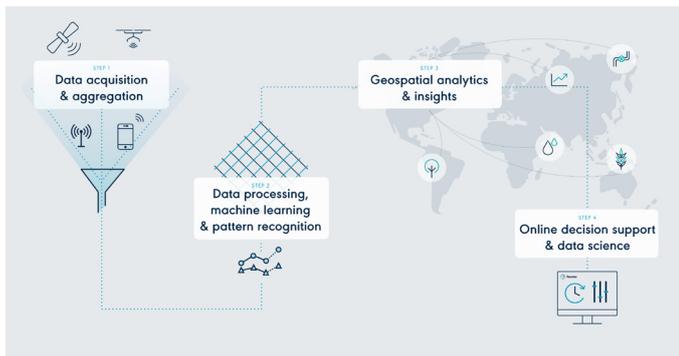
Use this continuously refreshed data to:

- Remotely assess pest and disease outbreaks, quickly determine exact locations and accelerate your response plan to reduce infestation impact
- Deploy ground teams directly to the most affected areas
- Recover the most valuable timber before it degrades further

## Product Overview

Forest Health alerts you to pest and disease outbreaks in vast forested areas without the need for costly and time-intensive aerial and ground surveys. It uses satellite and multiple data feeds combined with advanced AI to remotely monitor the health of entire forests. It identifies the existence and extent of issues and it models risk.

Data can be integrated into existing GIS systems, or delivered through our Forest SAT solution on the Rezatec platform where you can view your visualization and analytics data from a dashboard. Regular update cycles are based on the particular pest or disease being assessed. These insights ensure you are evaluating the most up to date information, months ahead of current published sources.



Technology overview

Our algorithms correlate area-wide satellite data and environmental data layers across multiple dates to monitor changes in inventory over time. Advanced AI analyses changes to the condition of the canopy that are indicative of potential stress or disease and identify change from an established 'normal' condition to determine the following key metrics, vital to prioritizing, planning and optimizing your response:

- Stand ID
- Stand area (hectares)
- Area impacted (hectares)
- % stand affected
- Severity rating: high, medium, low

Additional metrics available with ForestSAT's Inventory product:

- Height (metres)
- Dominant species
- Secondary species

## Rezatec Geospatial AI

Forest Health is part of Forest SAT, our geospatial AI solution, which remotely provides a view of your entire forest inventory across vast geographic areas and analyzes disturbance events that threaten its value.

Rezatec uniquely combines remote sensing analysis with data science to deliver geospatial AI, enabling dynamic decision making for clients across the globe in water, agriculture, energy and forestry.



## CONTACT US TO FIND OUT MORE

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