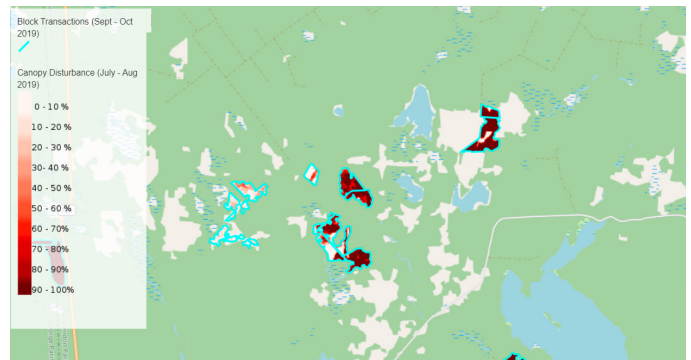**Rezatec**

RESPOND RAPDILY TO DRIVE VALUE

Respond faster to optimise timber values when storms hit. Rapidly direct ground crews. Locate least degraded trees quickly to monetise salvageable lumber faster.

Business Challenge

Storm damage reduces the yield of recoverable timber and often spreads over time. Significant events can make extraction difficult, increasing harvesting costs. For foresters, the economic impact is particularly severe in stands with high growth inventory, where each season of additional growth brings a step change in total timber volume, average tree size and value. Speed of response is critical to preserving and maximising lumber values in the event of storm and wind damage.

Forest Disturbance alerts and calculates crucial metrics

Reduce Remediation Costs, Maximise Value

Forest Disturbance enables you to plan and optimise response resources and minimise delays to salvage highest value timber. Use this continuously refreshed data to:

- Remotely assess storm impact and determine the exact location of salvageable lumber to dynamically manage your response
- Deploy ground teams directly to the most affected areas
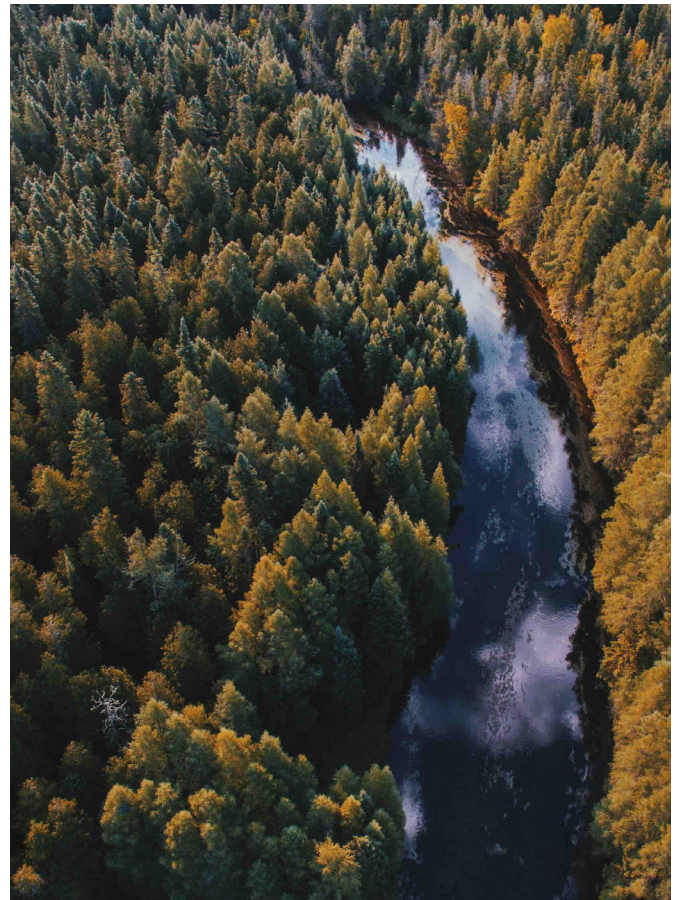- Recover the most valuable timer before it degrades further

Product Overview

Forest Disturbance remotely identifies storm damage occurrence, determines affected stands and the extent of deterioration. It uses satellite and multiple data feeds combined with advanced AI to tell you when a storm has happened, its location and impact, plus the count, volume and value of inventory. 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. Quarterly updates ensure you are evaluating the most up to date information.

Our algorithms correlate a sequence of satellite-derived data to monitor forest changes and identify significant negative changes in canopy cover associated with felling, illegal logging, forest fire, pest, disease and storm damage. The dashboard presents the following metrics and vizualises drill-down maps, which are vital to prioritizing, planning and optimizing your response:
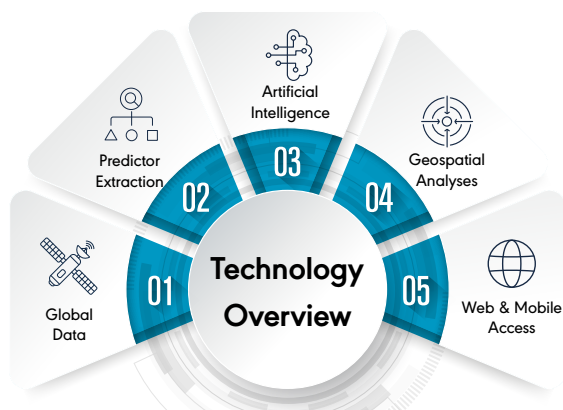
- Inventory
- Species distribution
- Area impacted (hectares)
- % stand affected
- Pre- and post-disturbance volumes

Technology Overview

01 Global Data
02 Predictor Extraction
03 Artificial Intelligence
04 Geospatial Analyses
05 Web & Mobile Access

Rezatec Geospatial AI

Forest Disturbance is part of Forest SAT, our geospatial AI solution, which remotely provides a view of your entire forest inventory across vast geographic areas and analyses 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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