# GEOSPATIAL DATA ANALYTICS FOR MONITORING THE HEALTH OF YOUR FORESTS

FORESTRY / FOREST HEALTH

## THE BUSINESS CHALLENGE

Severe pest and disease outbreaks are a serious threat to managed forests. Negative effects to tree health, for example, tree mortality or growth suppression, result in considerable loss of timber yield, leading to a reduced income and wood supply for the forestry sector.

In addition, to date, pest and disease control tends to be reactive. Once recognised, large sums are spent on manually identifying affected trees via costly ground or aerial surveys to prevent or reduce the spread to other forest assets.

Risk modelling, early identification, and monitoring the rate of infection help forestry management companies take measures to mitigate these risks and reduce the associated cost impact.

## CONTACT US

info@rezatec.com

+44 (0)1865 817 500

www.rezatec.com

## OUR FOREST MONITORING SERVICE

Rezatec provides a landscape intelligence data service to supply users with regular information and alerts on forest health over the whole of their Forest assets. Using time-series of radar satellite-derived data, Rezatec can identify changes which are indicative of stress, and could be due to an outbreak of pest or disease. This remote detection method means that users can proactively locate, track and monitor an outbreak. In turn, reducing the need for costly surveys and enabling a faster response to the threat to maximise the associated timber value.

These results can be integrated into existing GIS systems or delivered through our dedicated, cloud-based geospatial data intelligence portal.

+ Identify abnormalities that may indicate stress due to pest/disease

+ Map the location and extent of affected forest compartments

+ Track the spread over time

+ Assess count & volume of affected trees and extract timber value

+ Monitor regularly to detect changes to forest health early

## FIND OUT MORE

At Rezatec, we use Earth Observation (EO) data to provide valuable forestry decision support, identifying certain changes that are indicative of stress, which could in turn be attributed to an outbreak of pest or disease. This remote detection method means that you can proactively locate, track and monitor an outbreak, reducing the need for costly surveys, as well as enabling a faster response to the threat to minimise its impact on your area.

For further details and pricing, contact us on
+44 (0)1865 817 500 or email info@rezatec.com