Rezatec
Analyzing Earth Data

SAWMILL OPTIMIZATION
WITH GEOSPATIAL DATA ANALYTICS

OUR SOLUTION

Satellite-derived, geospatial data analytics offer effective new methods for sawmill operators to streamline mill logistics, improve profitability and competitiveness, and make more informed decisions on timber procurement and Capex investments.

Rezatec's Sawmill Optimisation tool utilises satellite imagery and data analytics to provide actionable intelligence in the key areas of mill operations.

KEY BENEFITS

+ Optimize mill profitability during production

+ Reduce haulage costs

+ Improve procurement and sourcing decisions

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PROCUREMENT & SOURCING

Our industry-leading tree species mapping and mensuration tools allow you to accurately calculate tree species and volumes, and derive potential commercial values. These insights provide a crucial advantage when identifying and prioritising from where to source timber, allocate resources, and negotiate with suppliers.
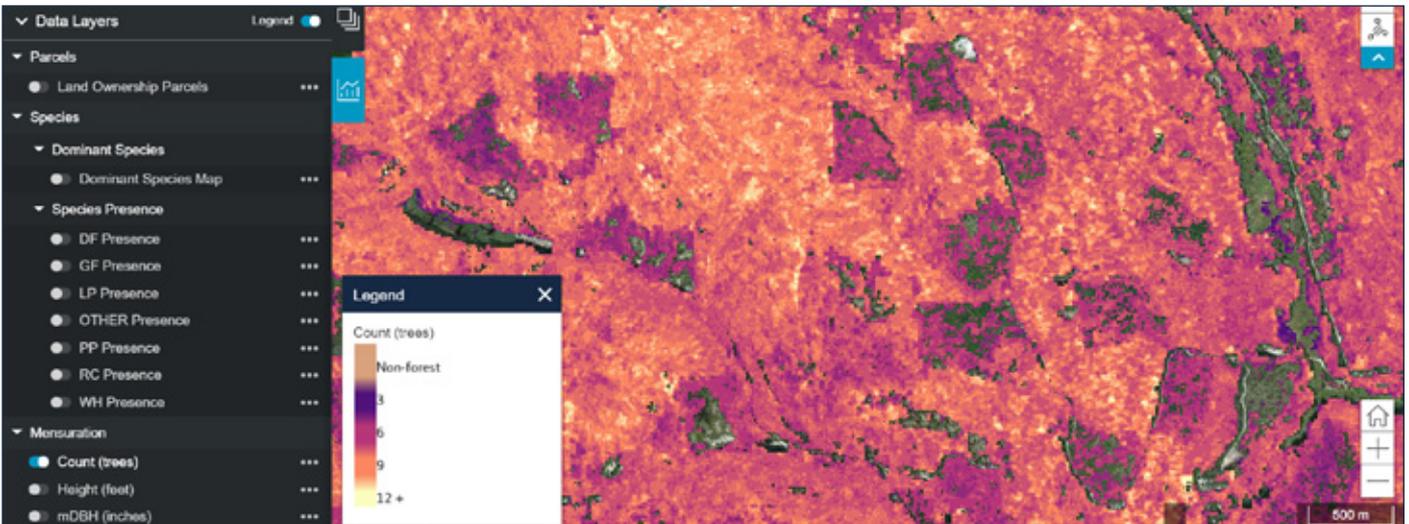
MILL PRODUCTION

A key factor in mill production efficiency and competitiveness is ensuring mills process the right mix of species and log sizes. If sawmill operators know in advance what they can expect from their harvesting operations (species, dimensions and quality) they can optimise their production schedule and minimise the need for any excess inventory, as well as reduce the numbers of rejects during the production process.

LOGISTICS

Given haulage accounts for up to 50% of the 'cut and haul' costs, reducing haulage costs is a priority. Satellite imagery combined with existing information on forest roads offers an overview to delineate each mill's supply area and calculate the quickest and most cost-effective routes. Mill owners can define an upper limit on haulage time and add other preferences, such as what types of species they intend to process.

This is particularly useful for owners of multiple mills within a region, who can segment the forest based on optimal journey times, as opposed to just linear distance, to the nearest mill. Meaning supply does not overlap.

Rezatec Portal - Data layer showing tree count.

MILL INTELLIGENCE

By harnessing the latest geospatial data analytics, mill operators have a way to accurately plan and carry out supply area delineation and optimisation. Data can be leveraged to improve logistics and efficiency, and ultimately reduce costs.

CONTACT US TO FIND OUT MORE

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