



VEGETATION MANAGEMENT: PLANNING

VIDEO TRANSCRIPT

00:00 – 00:06

Overgrown vegetation is a risk for outages, or worse, wildfires.

00:06 – 00:21

Vegetation management is essential, but it's also manually intensive, operationally expensive and needs a lot of planning to establish target clearances and specify trees to be trimmed removed or sprayed.

00:21 – 00:28

Planning slows down further if you need permission of property owners - but it can be more efficient.

00:28

Advanced analytics, satellites, local circuit inspections and potentially even crowdsourcing are the key to streamline planning.

00:37 – 00:46

Our approach overlays the distribution circuits on satellite outputs using analytics to pinpoint vegetation proximity by comparing multiple satellite images.

00:46 – 01:02

By comparing multiple satellite images, we can calculate the distance between trees and lines and see if there's any risk from dead trees, and by adding other technologies we get an even clearer picture for more accurate and efficient planning.

01:02 – 01:10

Images taken during field inspections can feed

an algorithm that shows which trees are likely to become a risk.

01:10 – 01:23

Drones can further enhance the data in areas that satellites have identified as having vegetation issues, and in some high-risk areas we can deploy lidar to provide exact measurements.

01:23 – 01:37

All these results combined offer a single view highlighting up to eighty percent of the work that needs to be performed, automatically notifying property owners and giving them a safe seamless way to reply

01:37 – 01:47

Over time, predictive analytics projects growth rates based on the species and weather patterns, letting you know the next time a circuit is due to be trimmed.

01:47 – 01:57

This solution not only reduces effort for people out in the field, driving program costs down, it also optimizes the work cycle for further savings

01:57

See the full picture to take charge of the grid today

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