IBM

Weather Company Vegetation Management – Predict

Forecast potential tree-related outages in your territory

Vegetation management can be one of the largest line items in a utility provider's budget. But constant budget pressures are forcing companies to improve monitoring with less resources.
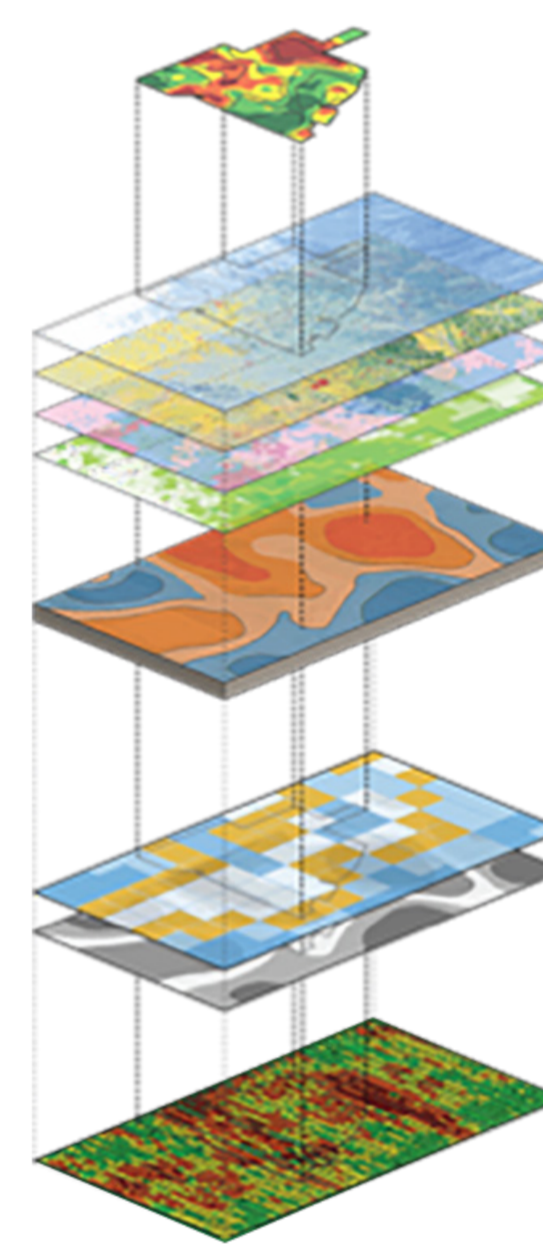
Current approaches to vegetation management rely on manual analysis, regular trimming cycles or expensive techniques such as drones. But certain plants might grow faster or behave differently based on a variety of factors...

- **Weather conditions**
- **Soil moisture**
- **Species**
- **Health**
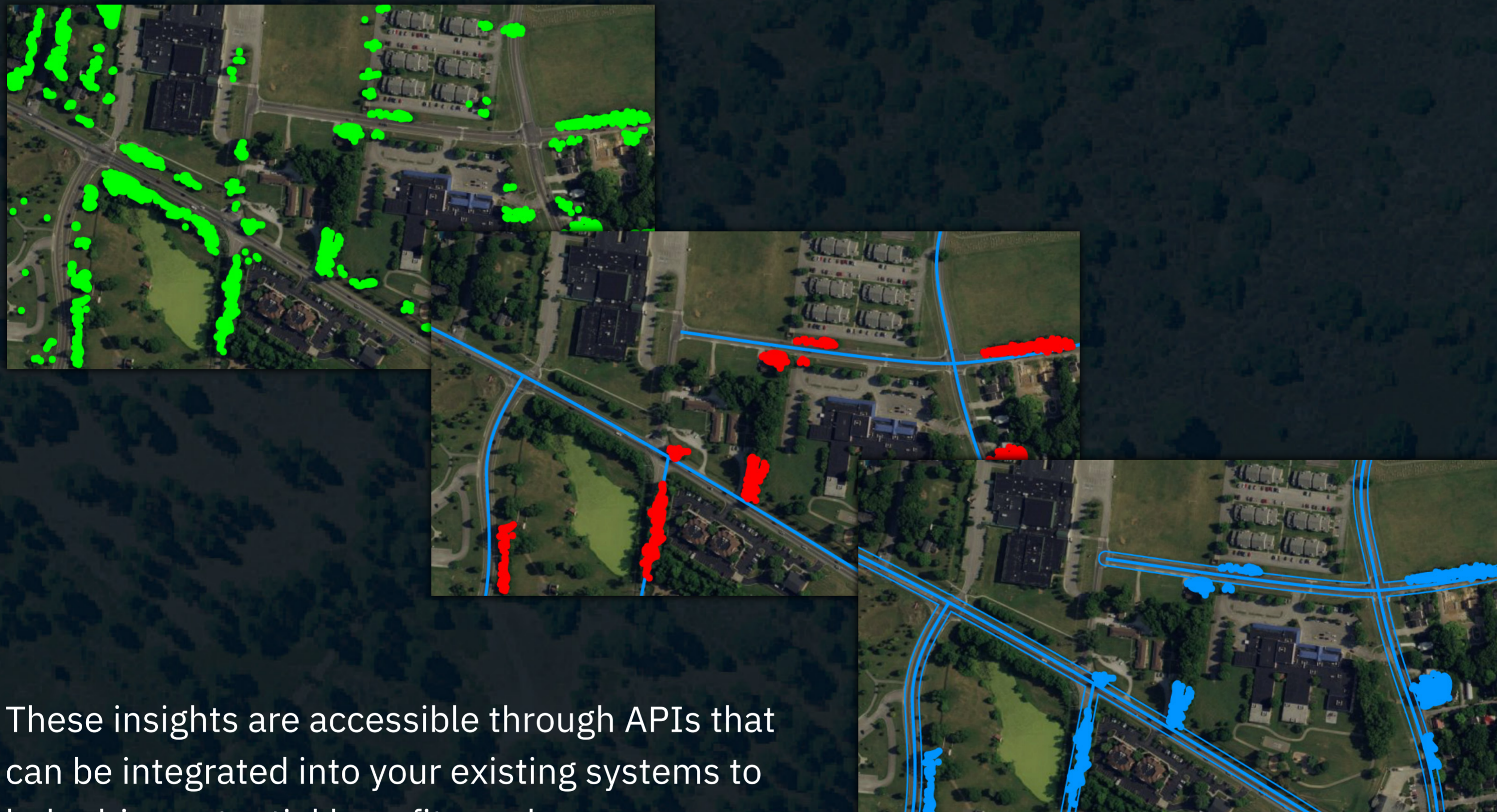- **Herbicide applications**

...making it difficult to track the growth of trees in your territory without exhausting your inspection crews.

Weather Company Vegetation Management – Predict applies advanced analytics to satellite imagery, weather forecasts and vegetation index data to help you gain enhanced visibility into the trees in your service territory. This solution is designed to help you:

- **Reduce vegetation-related outages** by using data to identify potential hazards and allocate resources to areas that are most likely to impact grid reliability.

- **Enhance monitoring** to identify unexpected "cycle buster" growth rates that may present a potential risk and refine trimming cycles to focus on areas that need it most.

- **Improve contracting processes** with greater visibility and insight into how much trimming and maintenance work is required and when it needs to be done.

- **Audit your vegetation management programs** by remotely monitoring plants that have been trimmed or treated with herbicide applications.

Weather Company Vegetation Management – Predict also allows you to identify vegetation that breaches predefined buffer zones around power lines so you can take action before a problem occurs.

These insights are accessible through APIs that can be integrated into your existing systems to help drive potential benefits such as:

- **Increased operational efficiency** by reducing spend on expensive resources such as manual audits, drones and LiDAR while also highlighting high-risk areas.

- **Improved risk assessment** by prioritizing and refining operations to help reduce unexpected vegetation conditions that may impact system reliability.

- **Faster time to value** through accelerated, data-driven analysis and actionable insights for your service territory.

To learn more about how **Weather Company Vegetation Management – Predict** can help, schedule a demo today.

The Weather Company
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