

VegX™

AI/ML SOLUTION TO MINIMIZE VEGETATION & CLIMATE RISK AND MAXIMIZE NETWORK RELIABILITY

Key Business Drivers

1. Manages the safety and Infrastructure reliability to reduce vegetation related outages

2. Supports compliance, regulatory requirements and safety standards

3. Enables reduction in SAIFI and SAIDI with predictive analysis for pro-active decisions

4. Reduces survey cost and timelines through automated asset and encroachment identification

5. Enables timely decisions to protect assets & reduce business interruptions

VegX™ is a vegetation risk management solution that empowers utilities to proactively address the key business challenge of managing safety of their critical infrastructure (including poles, cables, and so on) from unmanaged vegetation and severe weather events.

Powered by high-resolution satellite imagery, live weather forecast, ground truth data, and state-of-the-art AI models, VegX™ helps utilities plan, optimize, and execute vegetation and climate risk management strategies.

Key Features

- Exposure Alert System - Instantly assess the vulnerability of utility assets (Severity risk - Critical to Low) with live alerts and detailed insights. Covers hazards including Hurricane, Flood, and Heavy Rainfall
- Tree Extraction - AI model based tree extraction along with height and canopy
- Tree Classification- Automated tree analysis using aerial imagery and ML models, enabling smarter inspection and vegetation analytics
- Vegetation Encroachment - Measures tree canopy, and proximity to infrastructure. Color-coded encroachment zones help prioritize required trimming
- Vegetation Risk Analyser - Unified dashboard for viewing vegetation and wind risk. Locate high-risk zones, and track individual trees for action planning
- Real-Time Weather Integration - Overlay 7-day forecasts of wind, rainfall, temperature, and humidity from NOAA, and ECMWF directly on your map to inspect location-level weather context and evaluate vegetation threats

Be Storm-Ready, Always

VegX™ seamlessly integrates real-time weather data, and span-level vegetation intelligence into one agile platform, enhancing preparedness and response for storms and floods.

- Predicts potential outages up to 72 hours before landfall
- Models weather impact across feeders, spans, and circuits
- Estimates and allocates field and operations resources with confidence

Key Industries



Electric

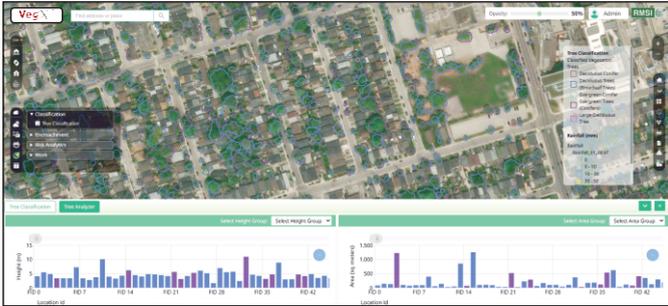


Municipal
Agencies

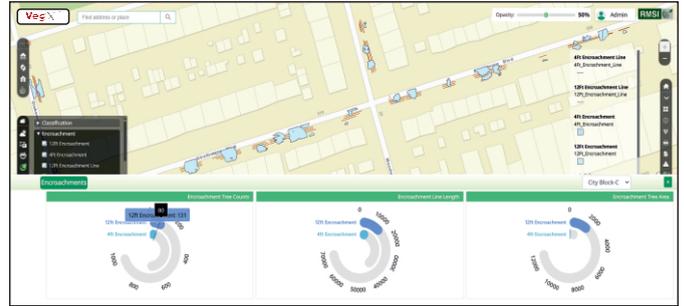


Environment
Agencies

Use Cases



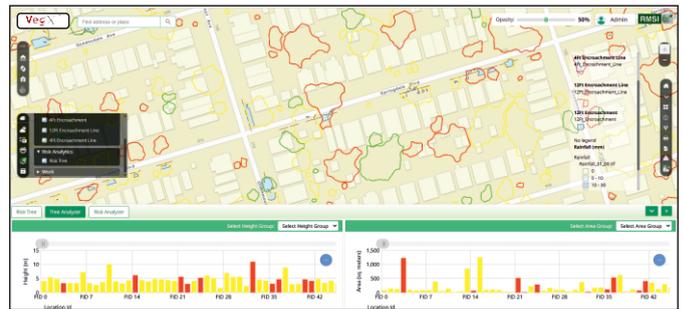
AI-Enabled Vegetation Classification
based on Type, Height & Canopy Spread



Encroachment Flagging near Infrastructure



Analyze and Track Tree Specific Risks



Visualize Vegetation based on Encroachment Risks

For further information, please contact info@rmsi.com or visit www.rmsi.com