

Technosylva

Wildfire and Risk Solutions for Energy Utilities

Our mission is to reduce the impact of wildfires and extreme weather.

Saving lives and homes by applying robust and validated wildfire science.



Supporting Better Critical Wildfire Decisions

In 29 States, 20+ Utilities, 13 State Fire Agencies, 2 CA Provinces

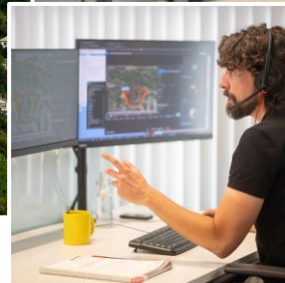
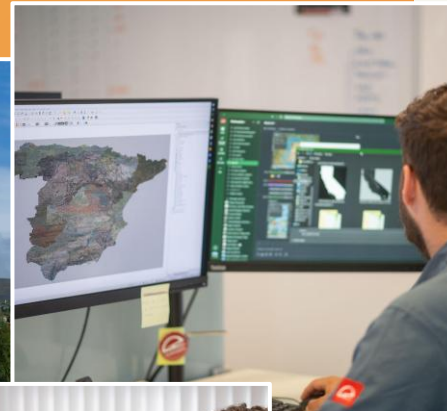




People with Purpose

Technosylva is a team of people purpose-built for science and innovation.

Our people have passion for making a difference and are uniquely qualified on what matters most: **to reduce the impact of wildfires and extreme weather.**



4

Staff in 4 Countries

Working closely with electric utilities and fire agencies in 13 countries across 3 continents.

12

Ph.Ds

Industry-leading expertise in atmospheric science, computer science and modeling, resiliency engineering, fire science, territory planning, and data analytics.

40+

Post-Grad Degree-holding Staff

Dedicated team of fire science and hazard specialists focused in meteorology, fire behavior sciences, physics, GIS, natural resources, urban planning, and cyber-security.

50+

Scientific Journals & Organizations

Our team has led & co-authored over 50 scientific papers in peer-reviewed journals since 2020.

Technosylva is the only commercial organization holding a joint-venture with the USFS Missoula Fire Lab to advance fire modeling science.

Technosylva's Founder & CTO is a Past-President of the International Association of Wildland Fire and post graduate professor of Technologies on Wildland Fires at the University of Leon, Spain.

Technosylva staff serve on many technical committees at leading electric utility and science organizations.



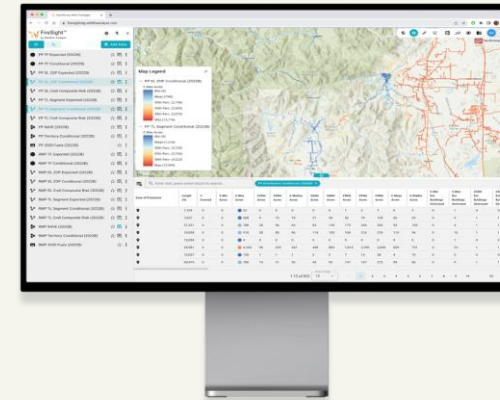
Wildfire Solutions for Electric Utilities

Operations



Daily risk analysis for “surgical” PSPS, staff safety, and operating modes with on-demand fire spread modeling and impact analysis for daily operations.

Planning



Annualized analysis for prioritizing asset hardening, WMP, and regulatory compliance.

The Authoritative

Wildfire Risk Solution

Seamless integration of all disparate data providing actionable insights to better inform your decision-making.



Know your risk as it develops

✓ Daily Wildfire Risk & Weather Forecasts

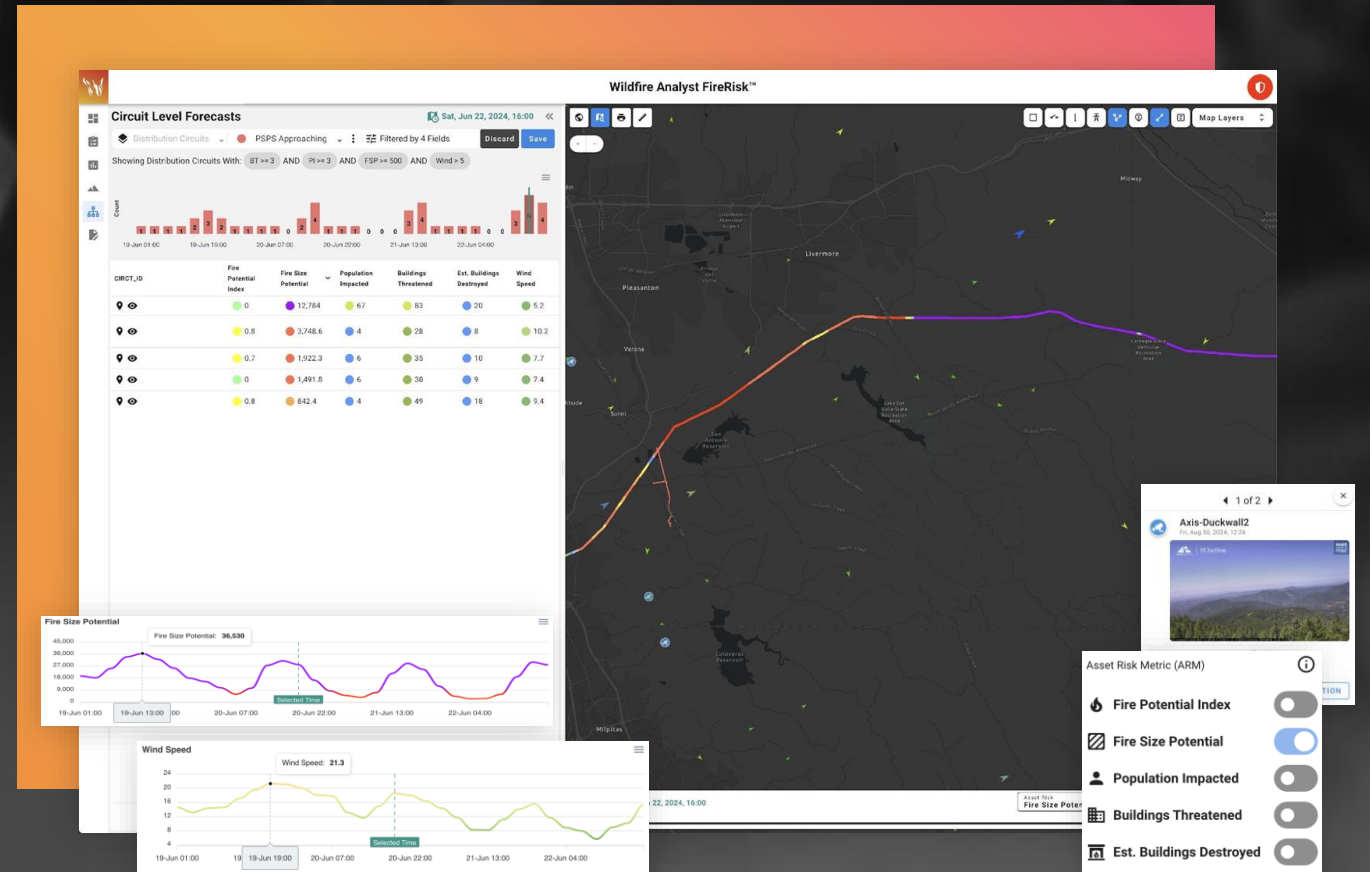
100M+ FireSim simulations performed daily with advanced weather forecasts to derive near-term risk forecasts for customer infrastructure assets & service territories.

✓ PSPS Event Candidates

Assets with high ignition potential and possible consequence are identified for a 5-day horizon, everyday, to support identification of candidate circuits for PSPS consideration.

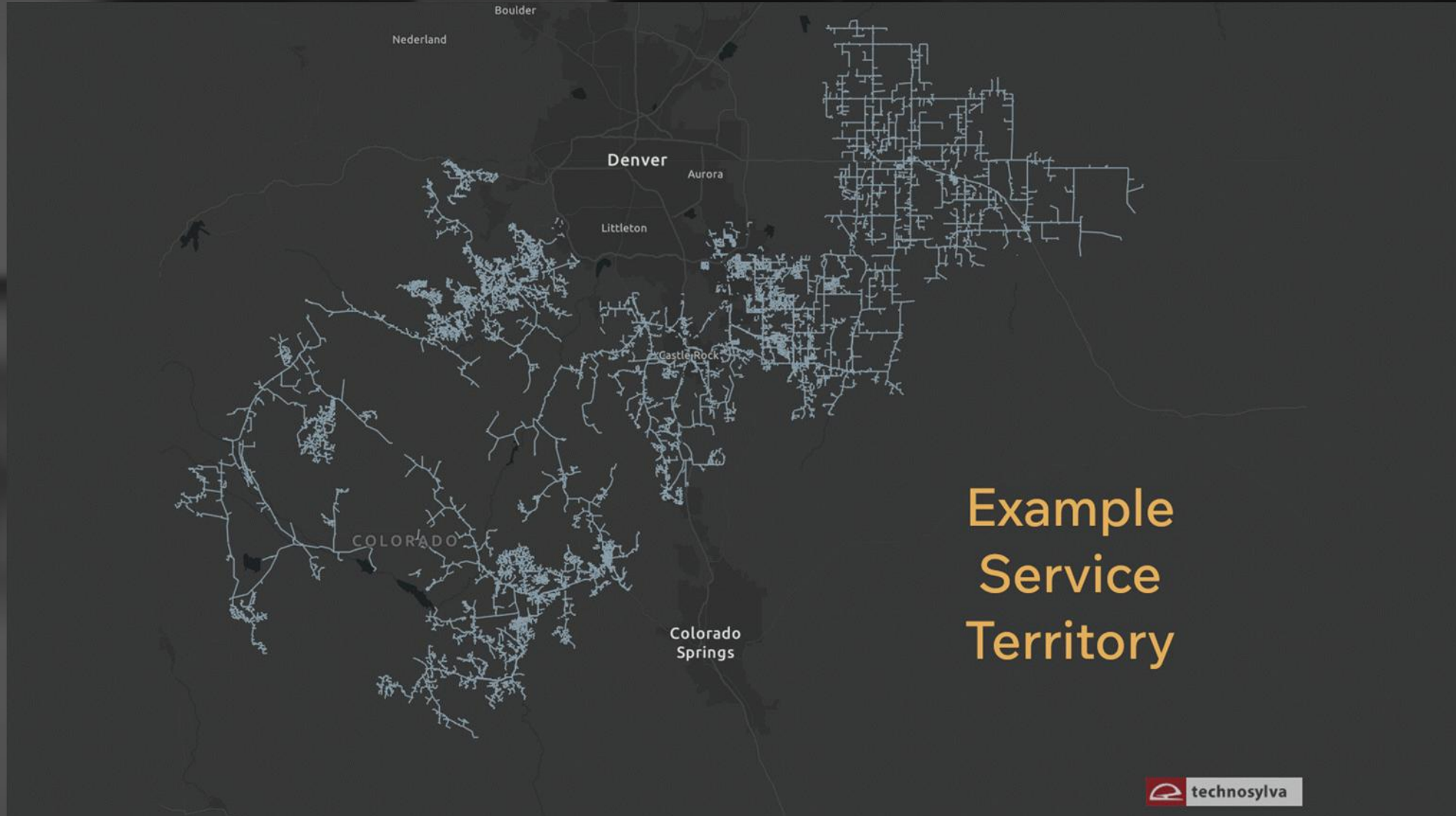
✓ Impact & Consequence Analysis

Output risk metrics and impacts are assigned to your assets, as possible ignition sources, to provide a surgical definition of your risk situation, span by span, circuit by circuit.



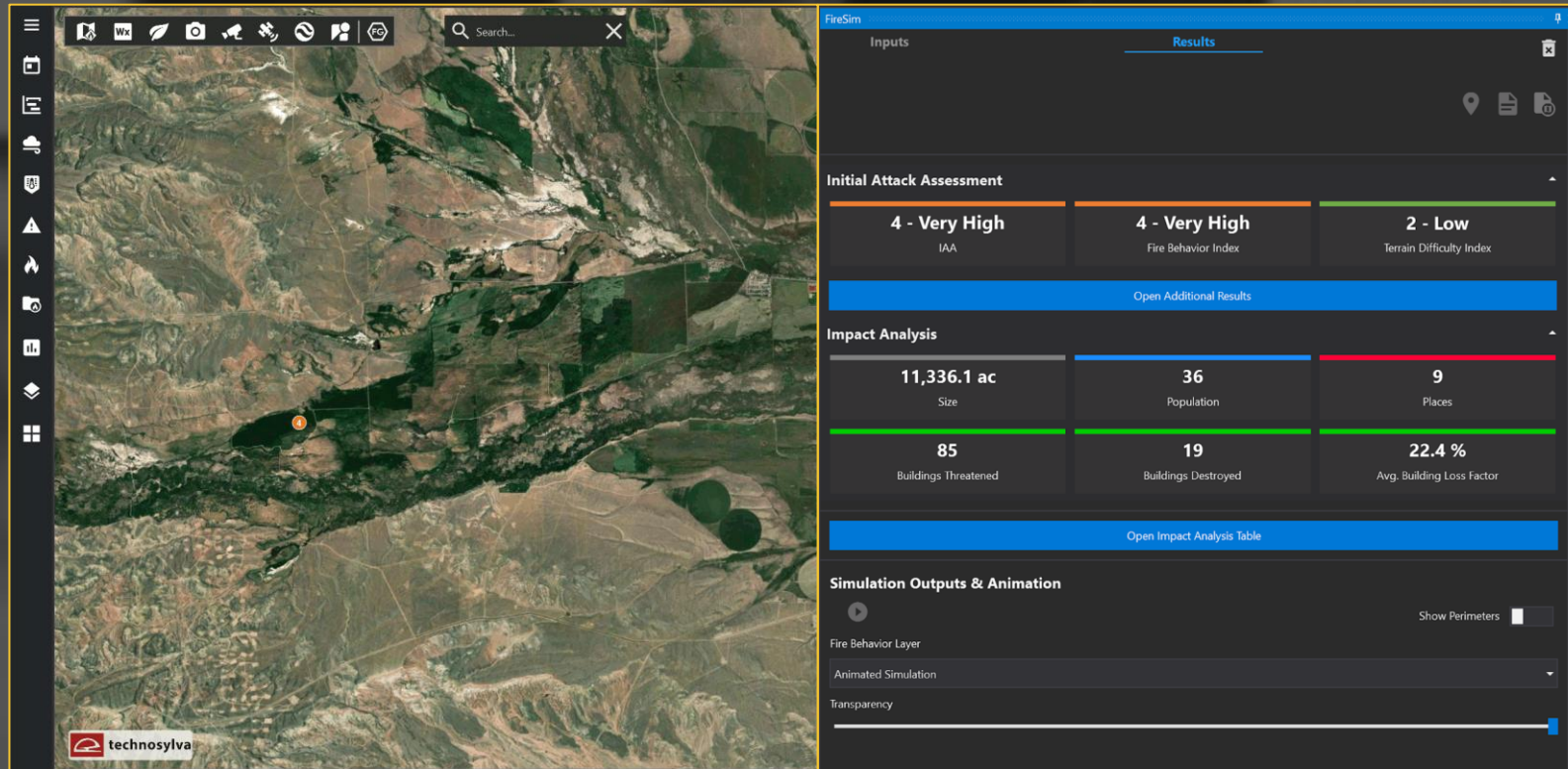
A granular and real time understanding of risk is key to operational decision making such as PSPS

Surgical PSPS



Simulate to prepare and adjust

Real time wildfire spread predictions



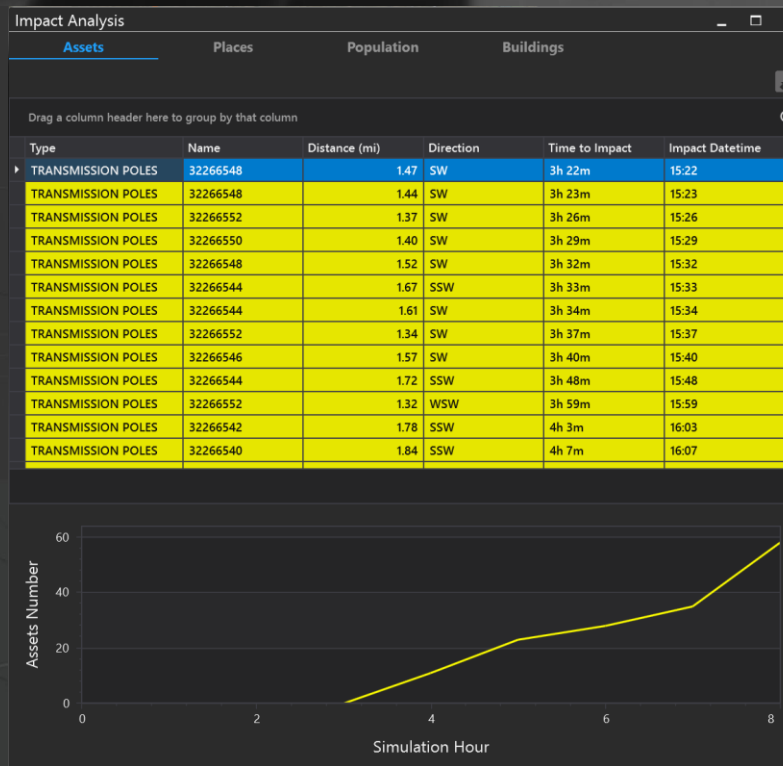
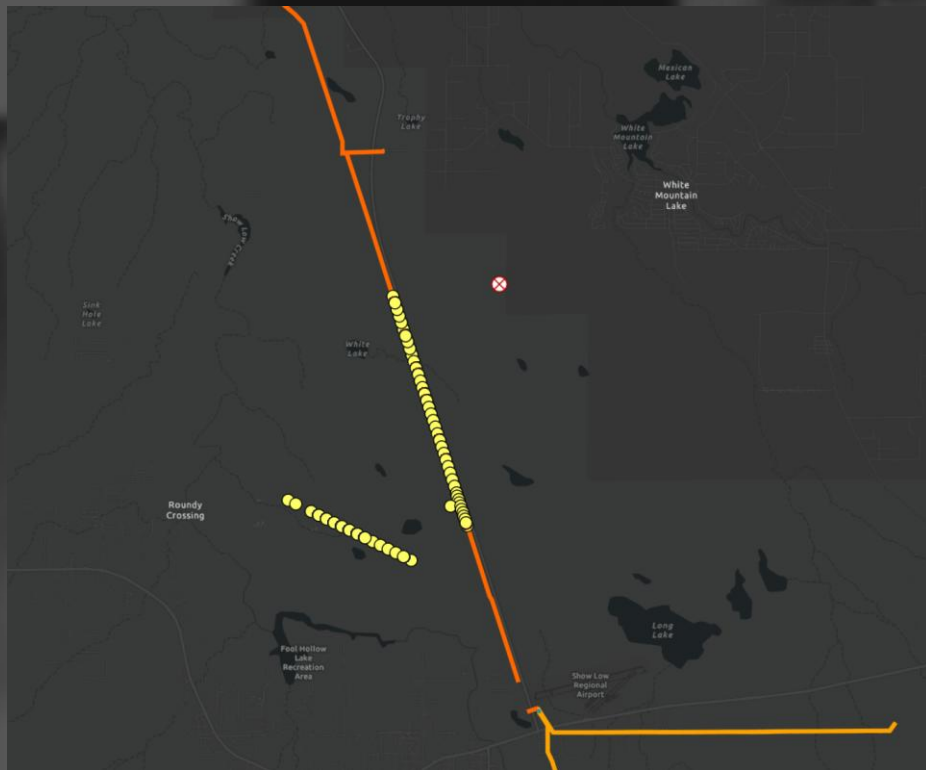
“What if” scenarios

PSPS event justifications

Reduce impact of wildfire related recovery of restoring customer power

Understand impacts of changes

Impact analysis for daily operations

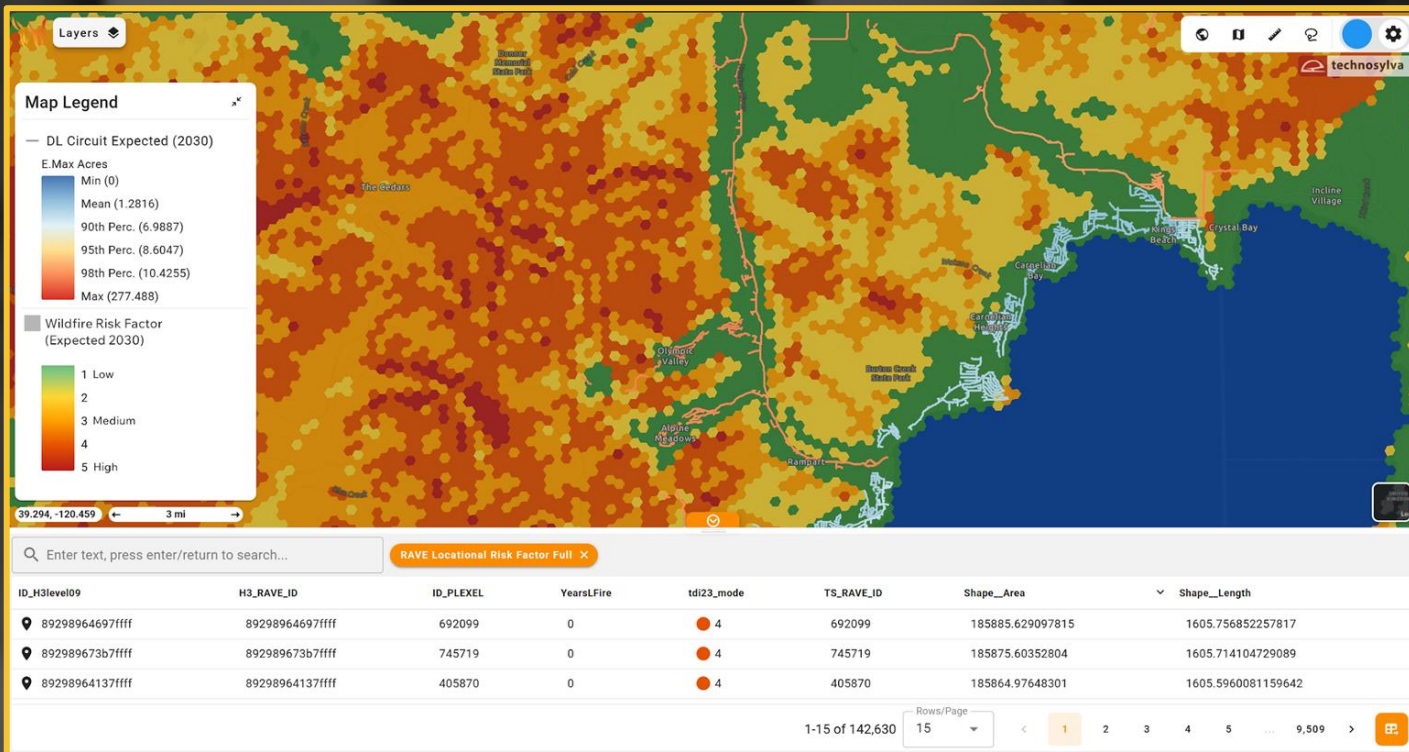


Impact & fire behavior analysis

Probabilistic fire simulation modes

Planning for impacts to critical transmission and distribution assets

Accurate, investment grade planning data



Risk Quantification

Using billions of fire simulations and historical weather to quantify asset risk & potential consequences

Outage Analytics

Quantify asset probability of outage & ignition, mitigation effectiveness, and risk spend efficiency

Data Driven Prioritization

Enable strategic wildfire mitigation and infrastructure hardening

Simplify risk data to make better decisions

Turn complex risk data into simple actionable scores

Key Operational Concerns:

- Immediate Community Impacts: Direct, rapid harm to population and buildings
- Difficult-to-Suppress Fires: Challenging terrain and fire behavior

Core Benefits:

- Risk assessment based on comprehensive historical fire weather climatology
- Specialized composites for vegetation management and fuel treatment prioritization
- Strategic asset hardening decisions to maximize risk reduction

