5-Step Approach to Vegetation Management

Reduce Outage Risk and Costs with Distribution Transformer Monitoring

23%

of U.S. power outages are related to vegetation

The University of Wisconsin–Stevens Point College of Nature Resources

$150B

annual estimated cost of U.S. power outages

U.S. Department of Energy (DOE)

90%

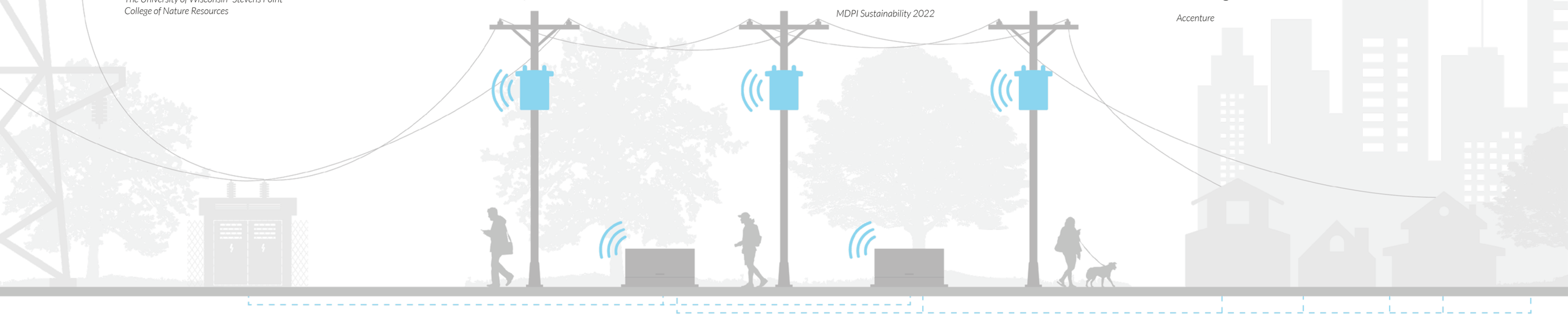
of storm outages caused by trees in forested areas in the NE U.S.

MDPI Sustainability 2022

$6-8B

on average spent each year by utilities on vegetation management.

Accenture



What's in Your DTM+ Toolbox?

Ubicquia's **Distribution Transformer Monitor** uses predictive analytics to help utilities to detect and address minor issues faster and more cost-effectively before they become critical.

Alerts

Monitor voltage sags and anomalies that can indicate vegetation encroachment.

Analytics

Get real-time notifications on momentaries that may be tree or branch strikes.

Mapping

Maintain precise, current GPS locations to pinpoint faults and tree or branch strikes.

Risk Reduction

Use data to locate problem areas rather than costly fixed trim cycles.

1. Strike

A branch or limb bounces off the powerline.

2. Detect

Voltage is read 130x per cycle and 7800x/sec to identify sags and swells as short as 10ms

3. Alert

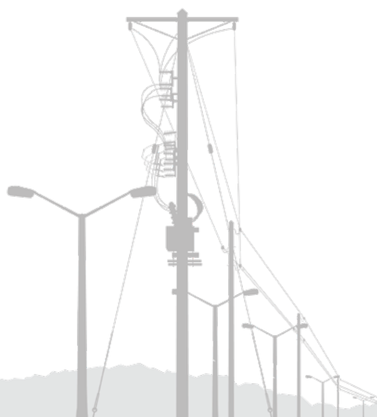
Notification appears in UbiVu with event time, lowest voltage on each phase, and number of cycles event lasted on each phase

4. Compare

Cross reference event times with SCADA and AMI data to rule out other issues and identify cause.

5. Respond

Upon identifying a vegetation-related event, team is sent to unit with most significant voltage dip event.



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