

## Power Line Analytics: Revolutionizing Power Grid Reliability

**Demaratech Line Analytics (PLA)** is a cutting-edge solution designed to revolutionize power grid maintenance for utility companies. PLA leverages drone-captured advanced multi-spectrum video analysis with advanced AI to detect and even predict imminent failures in power lines and transformers. By identifying issues before they escalate, PLA empowers power companies to stay

ahead of costly outages, reduce repair expenses, and enhance grid reliability. Our system provides actionable insights, categorizing the severity of detected issues and estimating mean time to failure, enabling precise and proactive maintenance strategies.



**The advantages of PLA** are clear and impactful. PLA uses advanced AI to detect potential failures early, power

companies can prevent unexpected outages that disrupt communities and incur significant financial losses. Proactive repairs based on PLA's predictive analytics minimize damage to critical infrastructure, extending the lifespan of power lines and transformers while reducing maintenance costs. This forward-thinking approach ensures operational efficiency and supports uninterrupted service delivery, fostering customer satisfaction and trust in your utility services.

Beyond financial and operational benefits, PLA plays a critical role in environmental and community safety. Power line failures are a leading cause of devastating forest and brush fires, posing risks to ecosystems, property, and lives. PLA's ability to identify and prioritize potential issues helps utilities mitigate these risks, significantly reducing the likelihood of catastrophic fires. By integrating PLA into your maintenance strategy, your company demonstrates a commitment to environmental stewardship and public safety.

Power Line Analytics is more than a tool—it's a game-changer for the power industry. By combining state-of-the-art drone technology with sophisticated analytics, PLA equips utilities with the insights needed to make informed decisions, optimize resources, and protect communities. Embrace the future of power grid management with PLA and ensure a reliable, cost-effective, and safer energy infrastructure for all.



### **PLA Solutions**

Wildlife Mitigation, Vegetation Mitigation, Engineering Construction, Engineering Maintenance, Reliability, Regulation Compliance

<https://demaratech.org/>