Ai4

Ai4 Technologies provides Artificial Intelligence (AI) sensors and applications for protecting infrastructure
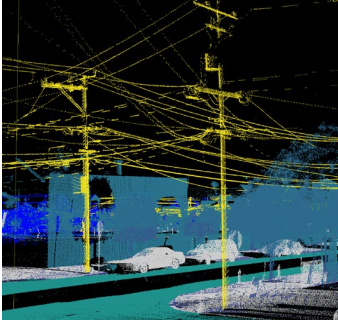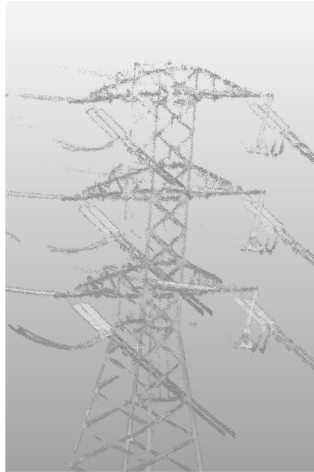
AI4 IMC.2

Intelligent sensors identify critical asset and vegetation conditions before they become a hazard. Devices feature configurable selection of sensors: cameras, LiDAR, weather, UV, and thermal. Sensor data is processed by AI for automated real-time detection of critical conditions.

fireSense

FireSense network of fire detection sensors alert of wildfire ignitions within seconds, automatically. The sensor takes just 2 minutes to install and operates for years. A network of sensors can provide unprecedented situational awareness of where the fires are and predictions of where the fires will go.
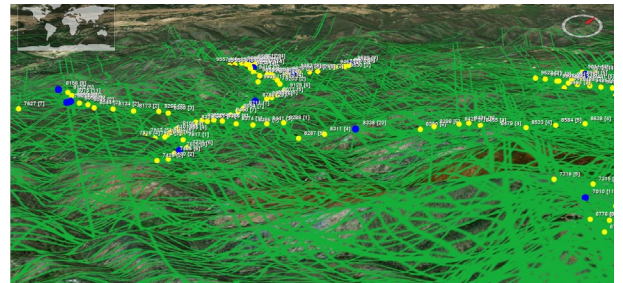
"The best fire detector for outdoors."

- Full real-time situational awareness at day or night
- AI based automated monitoring of risk factors
- Detection of fire ignitions
- Ensuring the compliance to regulations
- Detection of the need for maintenance or vegetation management
- Automatic analysis of multifactor risks and critical conditions using AI
- Archiving of data enables access to the critical sensor data after an event

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1. Technical advances have made **AI-based sensor monitoring** available to utilities
2. Today, it is **economically beneficial to monitor high-risk areas** with continuous monitoring for encroachments, structural changes, tree risks, or other risks
3. **Wildfires can be detected right when they start** with low-cost sensor network that using AI can enable a quick effective response
4. Together these technologies can **substantially reduce wildfire risk** to the people and property
5. These novel technologies fit strategically in multi-layered wildfire mitigation strategies as targeted **additional layers of protection where most needed**

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