



## Overview

# Actionable Results... Quickly, Consistently & Safely

## Automating the Image Review Process

While drones enable safe and efficient collection of data, the sheer volume quickly becomes more than human reviewers can effectively manage. Using cutting-edge computer vision and machine learning algorithms, Ardenna's solution automates the detection, classification and reporting of anomalies to provide insightful, actionable data both more accurately and in a fraction of the time required by traditional inspection methods.



## Proven in Rail



Ardenna's Rail-Inspector™ solution for industrial, short-line and mainline rail applications, automates the identification and analysis of dozens of track components in a consistent and repeatable way to provide comprehensive results that enable track owners to (1) correct anomalies before they become costly problems, (2) conduct capital planning activities, and (3) maintain comparative databases for predictive analytics.

## Branching Out

Leveraging the success of Rail-Inspector™, Ardenna is bringing its intelligent automation capabilities to other industry sectors. Ardenna has demonstrable defect detection capabilities for wind turbine, pipeline right-of-way, and electric utility inspections and continues to work with partners and customers to develop these capabilities into commercial solutions for the energy and telecommunications sectors.



Wind Turbine



Oil & Gas



Telecom



Electric Utilities



Solar

## Strength in Numbers

While Ardenna's focus is on developing exceptional processing and analysis capabilities, we work closely with partners across all aspects of the inspection work flow, ranging from data capture planning through delivery of insightful data and actionable results, to offer a comprehensive solution to our customers. These collaborations not only ensure that the captured data meets our specifications for automated processing, but also allow us to tailor our services and solutions to our customers' specific requirements.



Plan & Capture



Process & Visualize



Analyze



Business Integrations



Actionable Reports



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