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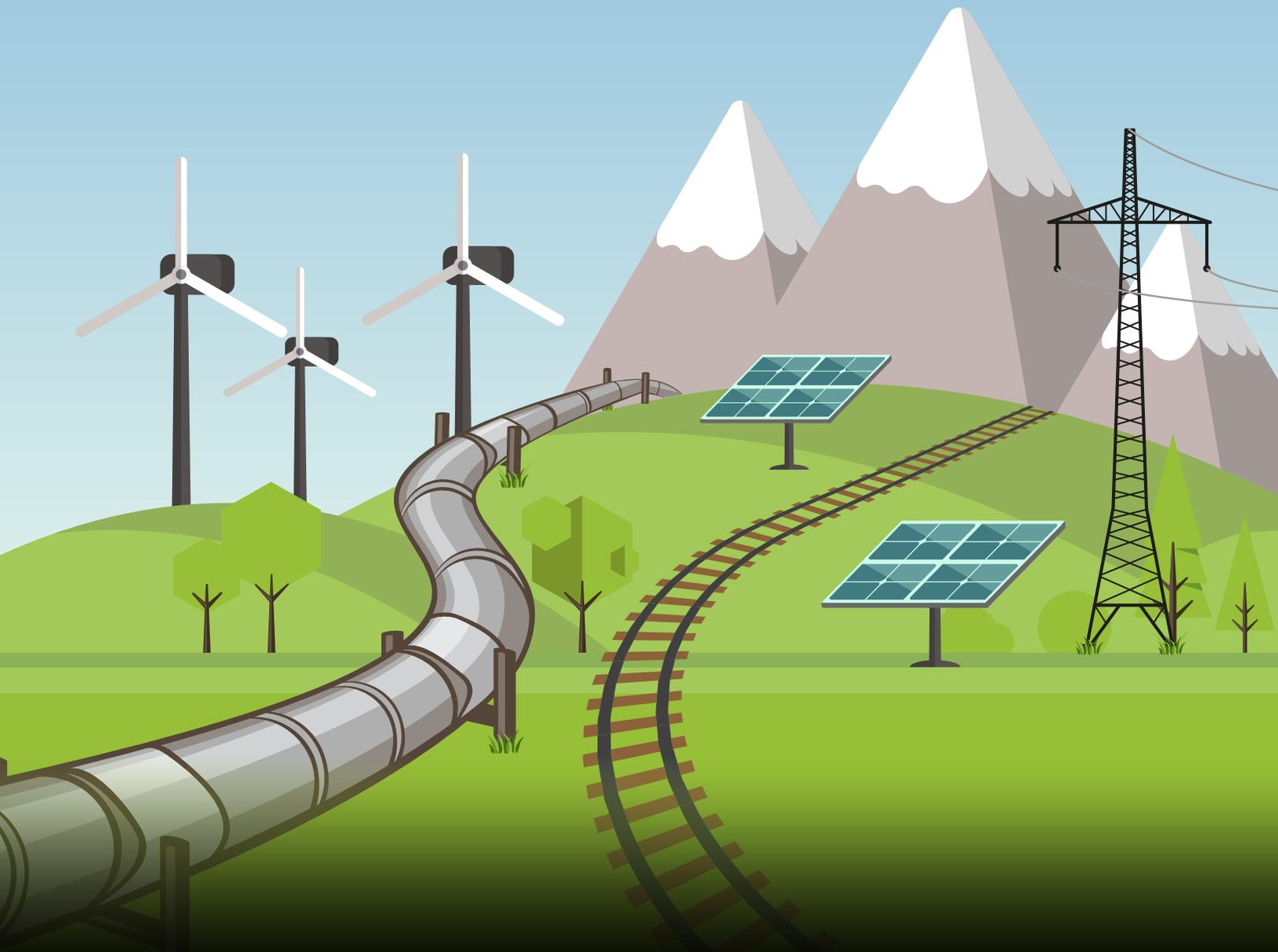## Intelligent Automation
of Infrastructure Inspections

Automating the Image Review Process

While drones enable the safe and efficient collection of data for infrastructure inspections, the volume of data generated quickly becomes more than human reviewers can manage effectively.

Ardenna provides the software technologies that **automate** the detection, classification and reporting of anomalies to provide insightful and actionable data more quickly and accurately than human reviewers.

Advanced computer vision algorithms allow us to quickly put industry-specific solutions to work for you and we continuously enhance these industry-tailored capabilities and intelligently improve detection accuracy over time.

Proven in Rail

RailVision™, Ardenna's intelligent automation solution for the rail industry, is currently in use by BNSF Railway to automatically process terabytes of imagery collected by drones during >100 mile BVLOS supplemental railway inspection flights in the United States.

RailVision™ generates actionable reports in a fraction of the time required by traditional methods and can provide your rail network with unparalleled capabilities.

Extending to the Energy Sector

Leveraging the success of RailVision™ in the rail industry, Ardenna is introducing its intelligent automation capabilities to the energy sector.

We currently have demonstrations available for electric utilities, wind turbine and pipeline, and we are building out full capabilities with the help of our partners in the energy sector.

Wind Turbine   Electric Utilities   Pipeline   Solar

Process Workflow

Plan & Capture   Process & Visualize   Analyze   Business Integrations   Actionable Reports

Participate   Ardenna Solution

We work with our customers and partners to determine the most appropriate point of integration for our technologies. Possibilities include integrating our intelligent automation technologies with a partner's data warehousing platform or providing a cloud-based platform directly to our customers.

We also work closely with our customers and partners across all aspects of the inspection work flow, ranging from data capture planning through the delivery of insightful data and actionable results. This collaboration not only ensures that the data meets our specifications for automated processing, but allows us to offer customized services to meet the specific customer requirements.

Partner With Us

Ardenna is currently working in collaboration with partners in the energy sector to bring these transformative automation technologies to infrastructure inspections in electric utilities, wind turbines, pipeline and solar. Lead your industry and have advanced access to the latest emerging technologies by contacting Ardenna to discuss how we can work together to revolutionize your asset inspection activities.

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