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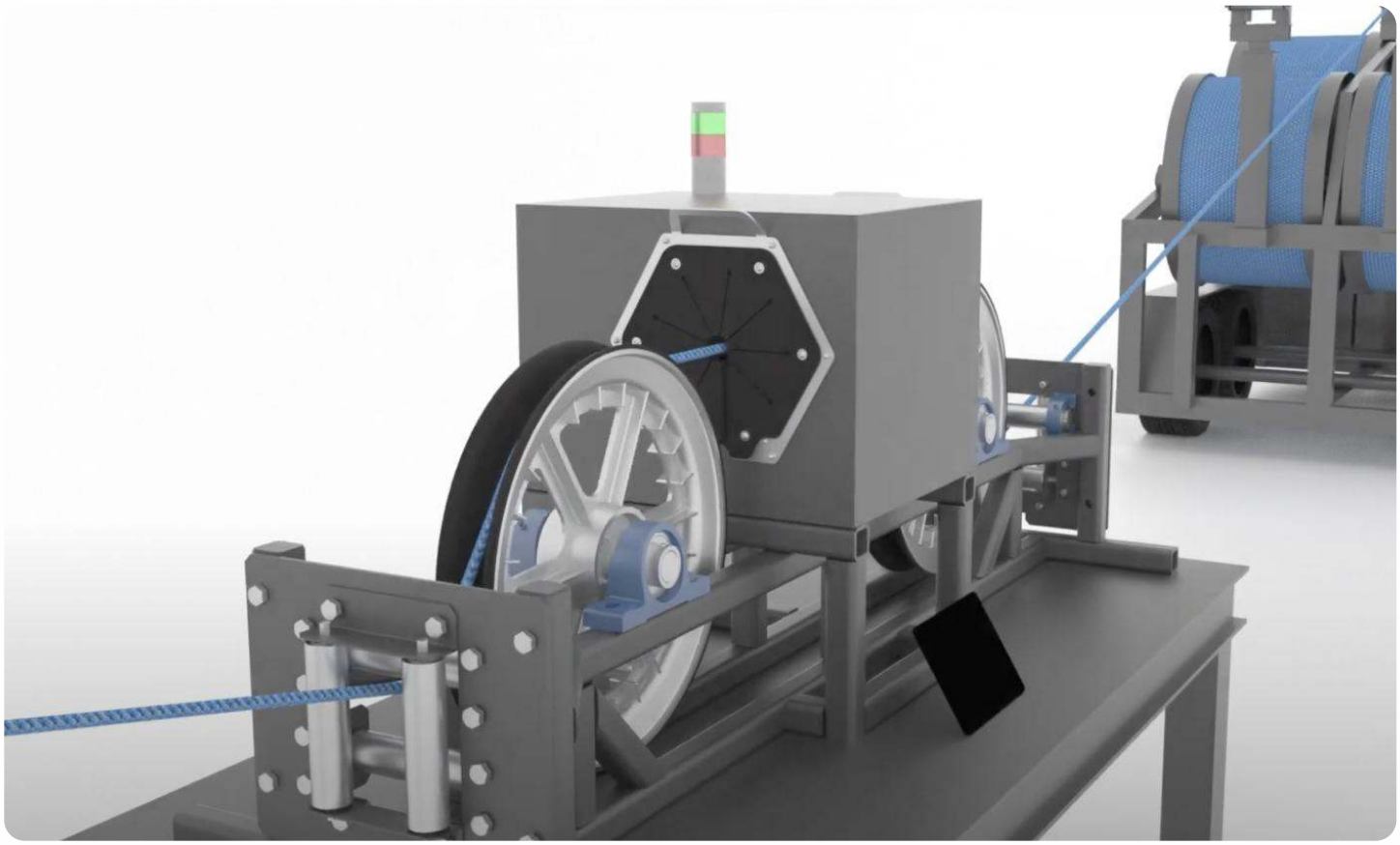
Quanta Services' subsidiary Dacon Deploys Scope Computer Vision Technology to Further Safety Across Inspection Programs



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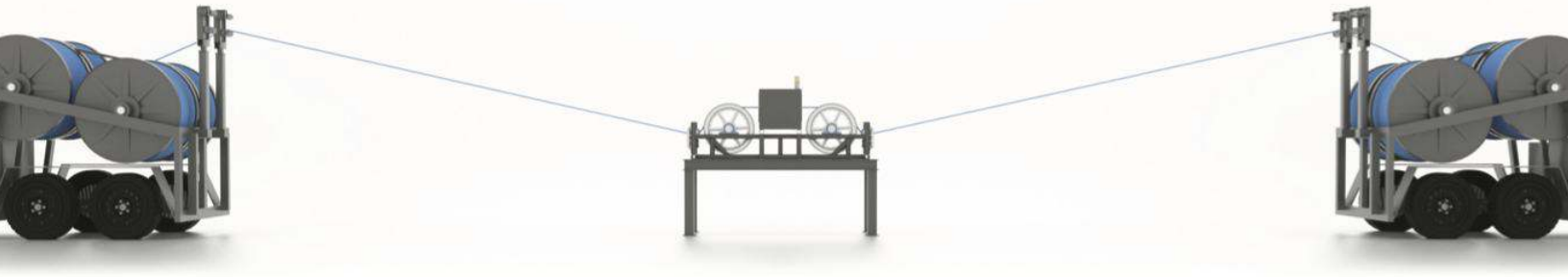
Dacon, a subsidiary of Quanta Services, has a long-standing reputation for delivering exceptional solutions in high-voltage (HV) and medium-voltage (MV) construction and maintenance projects.

As industry demands for safety, precision, and efficiency continue to evolve, Dacon sought out cutting-edge technology to stay ahead of the curve. Enter Scope Computer Vision Technology, a state-of-the-art tool that automates visual inspections of fiber and wire rope. Partnering with SWOS, a trusted rigging shop based in Houston, TX, Dacon has successfully integrated Scope into its inspection process, enhancing both productivity and safety.

The Challenge

Dacon faced a significant challenge with the manual inspection of fiber and wire rope used in its HV and MV projects. Traditional inspection methods, though reliable, were time-consuming, prone to human error, and dependent on the availability of highly skilled personnel. In an industry where safety and precision are paramount, the need for a more efficient and accurate inspection solution was evident. Equipment failure in the field can lead to substantial project downtime resulting in significant financial losses. Scope's technology has been leveraged to inspect over 80 million feet of rope. Data from the technology shows ~25% of rope coming in for inspection is below a suitable break strength.



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Solution

In collaboration with SWOS, a leading supplier of rigging and lifting solutions, Dacon deployed Scope's Computer Vision Technology. Scope's technology uses computer vision methods to automate the inspection of fiber and wire rope, detecting minute defects and wear that might be missed. By enabling the human technician inspecting rope, Scope ensures consistent, repeatable, and precise inspections, providing comprehensive reports in real-time.

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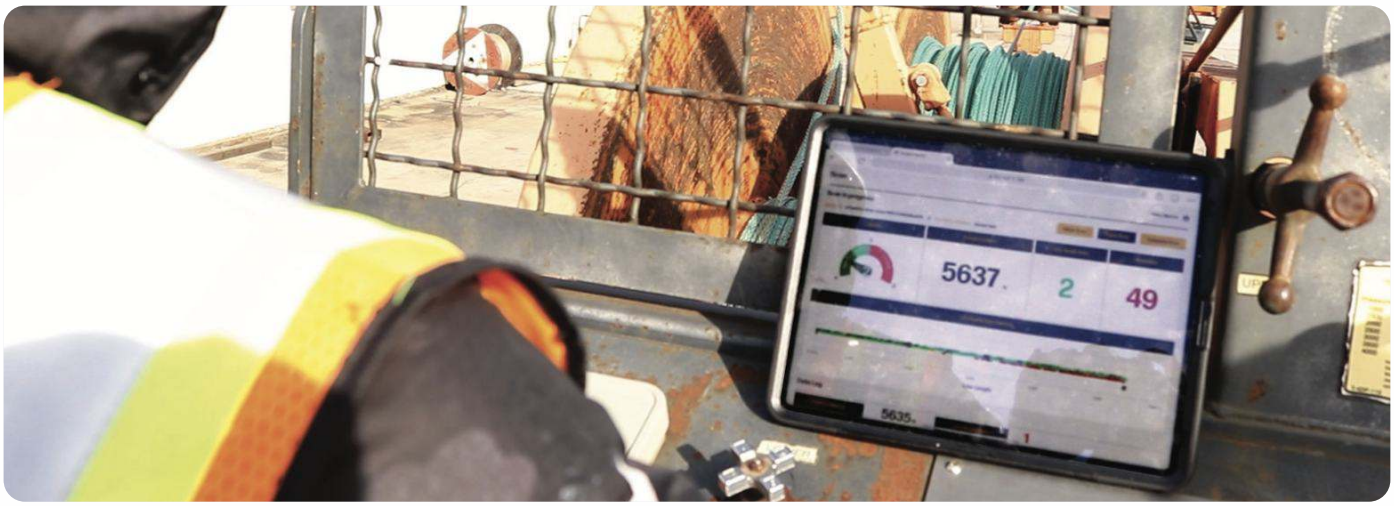
“Across North America, utilities and contractors are partnering with our network to ensure stringing line health for transmission and distribution projects. We now have better insights and data from our utility and contractor partnerships allowing us to develop best practices. The support from utility commissions, safety committees and contractor operations has been incredible.”

Justin McCoy, CEO
CEO of Scope Computer Vision Technologies



Results

Since deploying Scope's Computer Vision Technology, Dacon has experienced remarkable improvements:

1. **Enhanced Inspection Accuracy:** The automated system detects wear and damage that may have been overlooked during manual inspections, reducing the risk of equipment failure and improving overall safety.
2. **Increased Efficiency:** Inspection times have been significantly reduced, allowing Dacon to meet project deadlines faster without compromising on quality or safety.
3. **Cost Savings:** With fewer errors and reduced inspection times, Dacon has achieved substantial cost savings, particularly in the reduction of equipment downtime and the prevention of accidents.
4. **Improved Safety:** With more accurate inspections, the likelihood of equipment failure during critical operations has decreased, creating a safer working environment for field personnel.

Scope

Make every pull a safe pull

Stringing Line Safety Best Practices

Guidelines for Maintaining Fiber Rope Stringing Lines in the Overhead Electric Utility Sector

visionbyscope.com/Best-Practices

Scope Computer Vision Technologies

Prevent critical line failures, increase safety, and protect operations.

visionbyscope.com

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