



CASE STUDY

Consolidating your wind inspection data

Takeaways

- *Inspection data silos are a roadblock to operational excellence*
- *The HUVR IDMS platform delivers up to 43% efficiency gains resulting in 5x-10x ROI*
- *Engineers can use their time to uncover new opportunities to save money and increase revenue*

A large renewable company—4.5 gigawatts of wind, solar and storage power—had massive siloed data pools, including data on turbines, solar modules, balance of plant, etc., in various formats and with various terminology—combined with often outdated legacy techniques. By engaging HUVR they were able to effectively aggregate their information and increase their operation's efficiency across all sites—and earn a ROI of five times the investment.

Challenge

The promises of Big Data cannot be realized when data is siloed. Information only helps increase operational excellence if it's accessible. Data that is unreachable doesn't exist. Data that is hard to get to is effectively the same. Only when you can easily access information in the right format is data useful for improving efficiency, providing a big-picture view and inspiring new ways to save money or increase revenue.

This is especially true in the wind industry, as it has such a wide variety of inspection and asset types. It leads to cabinets stuffed with paper files, desk drawers full of thumb drives and inboxes loaded down with PDF reports. Sometimes the raw information exists only on service providers' networks. Because it is difficult-to-impossible to easily retrieve, it makes it hard for asset owners to get full value from their data. Even if the files are digital and accessible, they are often in myriad different formats, requiring hours of work to aggregate and reformat.

Solution

The HUVR inspection data management system (IDMS) is purpose built to eliminate data silos and make your information work for you. HUVR's

platform is vendor agnostic, meaning it can be a single, secure system of record in-and-of itself or seamlessly integrated with your existing system. That also means it can take information in any form, from any tool, and aggregate and standardize it; instead of a treasure hunt through your inbox, data is available at the touch of a button, indexed and normalized.

HUVR also allows you to standardize and digitize your inspection workflows, meaning that no matter who is doing the inspections, the process is the same from year-to-year. Using checklists on mobile devices increases efficiency massively, and if you're not using them already, engaging robotic inspection tools adds to that efficiency. If you are using robots, HUVR lets you unlock their full potential, with the aforementioned standardization ensuring the necessary data gets to the right stakeholders.

Outcome

For the renewable company mentioned above, 25 sites were modernized, covering 1975 assets and providing data to 200 users. 15 separate workflows were optimized and 5400 hours were now available for work to increase revenue. The investment in the future was a good one, as the company realized a return of five times the initial outlay. A single, cohesive system was in place to provide information as needed, which benefited every level of the company.

Companies that use the HUVR IDMS platform to solve data management and consolidation issues have experienced 5-10 times the ROI thanks to efficiency gains. Instead of hoisting inspectors aloft on ropes and peering at turbines through binoculars, the full power of robotic inspection tools can be leveraged, reducing inspection times by up to 43%.

Furthermore, time that was once spent on complex and dangerous inspections can be repurposed to adding value. Often new insights are uncovered because of inspection data now being accessible and standardized.



WANT TO LEARN MORE?

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sales@huvrdata.com

www.huvrdata.com