New application scenario of our acoustic imager! Detect loose bolt!

Recently, the CRYSOUND team has expanded the application scenario of our acoustic imager.

Manual inspection and maintenance of transmission towers have always presented a formidable challenge for electric companies and their employees. Technicians are required to climb great heights and test each bolt individually, a task that is not only dangerous but also time-consuming.

With the introduction of our acoustic imagers, this problem is now effectively addressed.

In our latest case study, we employ an exciter to transmit a specific frequency excitation signal, causing vibrations in the iron tower. Under these conditions, any loose bolts will generate distinct sounds. Leveraging our advanced acoustic imager technology, we can detect these sounds and identify the locations of the loose bolts in the transmission towers.

This innovative detection method not only significantly enhances work efficiency but also creates a safer working environment for inspectors.

With the application of our acoustic imager in identifying loose bolts, electric companies can streamline their maintenance processes, saving time and resources. Additionally, this technology contributes to a proactive approach to maintenance, allowing for timely repairs before potential issues escalate.

At CRYSOUND, we remain committed to pushing the boundaries of technological advancements to provide practical solutions for industry challenges. Contact us for more details

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