Advanced CMMS and Mobile Workflow for Pole inspections

Maintenance Optimization Solution for any Energy Asset

Eliminating the Challenges Utilities Face

Utilities today face the daunting task of maintaining, inspecting and repairing a vast array of grid assets. Field crews are a critical element to an effective maintenance strategy and the task of assigning, tracking and documenting jobs can be a burden.

60Hertz has developed an advanced Computerized Maintenance Management system to eliminate paperwork, reduce reliance on cumbersome spreadsheets, improve workflow management and reduce costs.
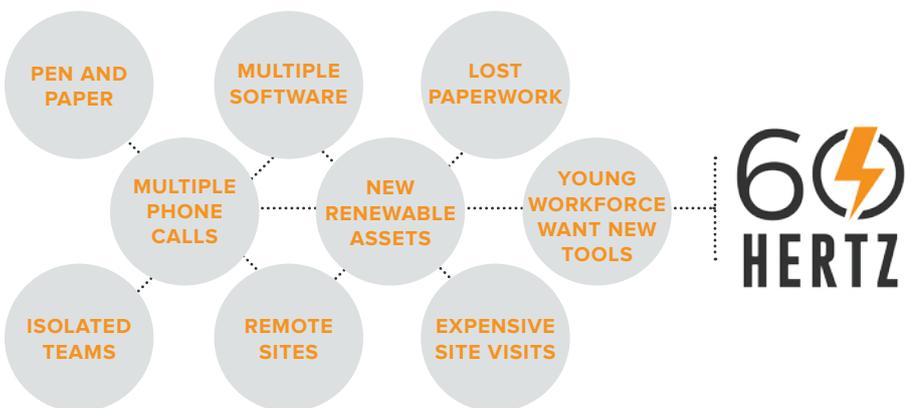
Boost Uptime and Revenue

A dynamic maintenance and inspection strategy are critical to increase asset longevity and improving power supply uptime. Our tools bring measurable improvements to help you recoup lost revenue.

Our Solution

60Hertz Energy has developed a novel tool to help utilities, regardless of size, implement a thorough and easily executable plan to guarantee that pole inspections, substation maintenance, solar arrays and new battery installations are effectively carried out as required.

Even if you use external contract crews, our tools give you the confidence and documentation that your policies and procedures are adhered to.

PEN AND PAPER

MULTIPLE SOFTWARE

LOST PAPERWORK

MULTIPLE PHONE CALLS

NEW RENEWABLE ASSETS

YOUNG WORKFORCE WANT NEW TOOLS

ISOLATED TEAMS
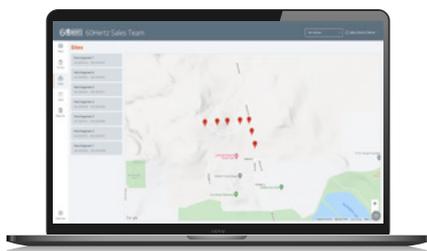
REMOTE SITES

EXPENSIVE SITE VISITS

Utility pole inspections

Standing utility poles are the backbone of any electric power grid. However, the process of meticulously inspecting, assessing and documenting each pole in the grid can be intensive. The standard inspection rate of poles runs in 8-to-12-year cycles depending on the decay zone of the utility operation.

Numerous factors can accelerate the decay of a pole, poor treatment processes, damp soil and a myriad of fungi and insects that destroys wood poles.

Creating and executing a well documented maintenance pole inspection program ensures you remain up-to-date with the condition of the poles in your grid. Ultimately saving you time and money by documenting the process by each poles asset tag and improving utility personnel and public safety.
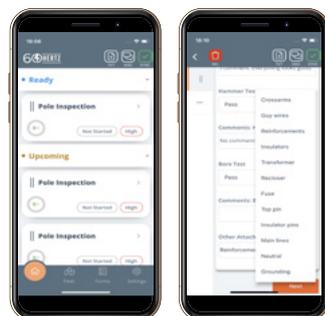

60Hertz Maintenance Manager

The Maintenance Manager gives utility management personnel the ability to create a schedule for each pole within the grid. GIS asset data is ingested and each pole identified, allowing you to schedule inspections, assign personnel, track progress and validate their work.

Each stage is fully customizable to work within your current process so that policymaking is made simple. Once the pole inspection policy is established, field crew managers are informed of critical inspections. These inspections can be assigned to a utility inspector or an outside contractor. An inspection order can be sent automatically to the individual's mobile device.

60Hertz TRAK App

Our mobile app is designed for field crews to carry out and document inspection orders efficiently.

Once inspections are assigned, a notification is alerted on the app, including coordinates of each asset location. Required tests can be carried out (hammer test, bore test, below ground assessment and visual inspection) and a customized form can be utilized to record results and attach photos documenting the assets' condition.

This form is automatically uploaded to the Maintenance Manager, where a supervisor can approve, assign a service or replacement order or archive the inspection form for regulatory and insurance compliance needs. With our advanced cybersecurity, you can allow contractors to use the mobile app and realize these benefits.

The 60Hertz difference

Our ability to provide custom processes and forms that meet your utilities needs guarantees fast adoption for your workforce. Intelligent integration with your GIS asset database makes identifying every asset in your grid simple and gives your field crews the most up to date information on every asset in the field.

Our Maintenance Manager can integrate 3rd party systems including Work Order Management, SCADA, ADMS and intelligent IIOT sensors. This allows field crews to make safe and smart decisions in real-time.

Our Trak App is compatible with Android, IOS or Windows mobile devices. Forms are intuitive and driven by logic to ensure all the data required to complete a task is gathered the first time. Paper forms, spreadsheets and wasted trips to a central office are eliminated. The Trak App works off or online, so if your crews are in remote areas with limited or no cell or Wi-Fi coverage, the app and geospatial data retains excellent connectivity.