

VISUAL INTELLIGENCE SOFTWARE FOR POWER GRID RELIABILITY



MAKING SENSE OF VISUAL DATA

Power grid operators are scaling up visual inspection campaigns by combining drones with helicopters and tablets.

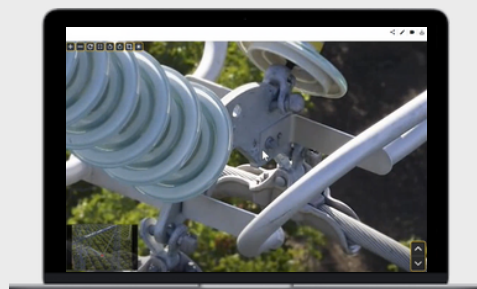
This digital revolution does not come without challenges. The biggest of all is unlocking all of this data onto a platform that is intuitive, so that the engineers can review findings much faster, and use open architecture to easily integrate within the existing digital ecosystem.

Cyberhawk has been working for almost a decade with power grid operators to develop iHawk, a cloud-based, and GIS enabled software that helps power grid operators make sense of high volumes of inspection datasets, collected by multiple providers from multiple sources, across an entire national network.

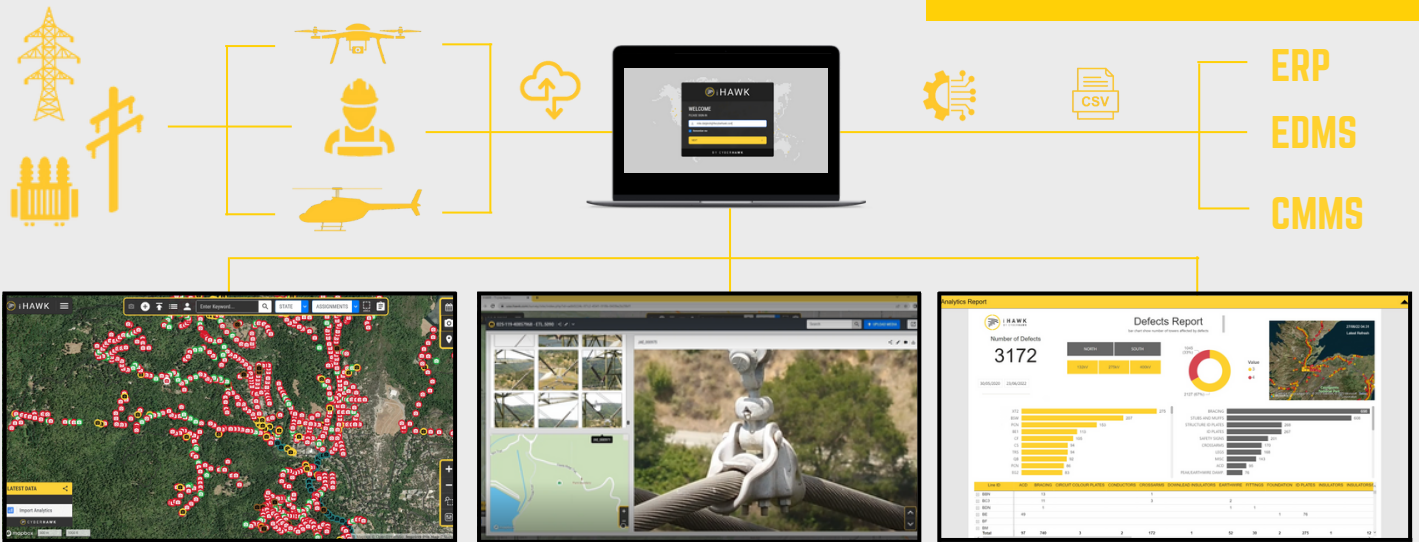
Today, iHawk is used to determine the overall health status of a network, to direct maintenance priorities, and to provide visual evidence to justify budget spend.

ABOUT IHAWK

iHawk software is cloud-based visualisation solution that stores, categorises and analyses terabytes of inspection data on an unprecedented scale. The solution provides power grid operators with a clear situational awareness of their network and helps to facilitate evidence-based decision-making.



HOW DO POWER GRID OPERATORS MANAGE HIGH VOLUMES OF INSPECTION DATASETS FROM MULTIPLE SOURCES, ACROSS AN ENTIRE NATIONAL NETWORK?


IHAWK FEATURES & BENEFITS
DATA VOLUMES


iHawk stores, categorises and analyses terabytes of inspection and project data collected by a multitude of sources.

MAP-BASED NAVIGATION


iHawk uses an intuitive map-based interface for simple navigation. Users navigate a 'Google-like' map to identify inspection routes and the condition of each tower is colour-coded.

USER HIERARCHY


An advanced user-access management hierarchy can control the level of information available to users from assigned inspection routes to reports.

RAPID DATA VISUALISATION


Rapid and secure data transfer from field teams. Ultrafast image visualisation speeds increase the inspection frequency without delay or operational downtime.

CUSTOM DEFECT CATEGORISATION


Any images, which evidence a defect, are tagged with a value according to a customer's defined inspection criteria.

DASHBOARD REPORTING


High-level dashboard reporting is available and historic inspection work scopes are also accessible for the purposes of an audit trail.

DATA AGNOSTIC


Data visualised on iHawk comes from a multitude of sources, including linesmen, helicopters, drones as well as IoT devices, and other software.

DEFECT EVIDENCE LOGGING


Image adjustments (zoom, crop, brightness, contrast scaling) can enhance the visual inspection without the need for teams to return to the site and collect more data.

SYSTEM INTEGRATION


Data integration with ERP and CMMS systems can help to leverage resource planning and scheduling tools and prioritise maintenance.

CONTACT CYBERHAWK FOR A DEMONSTRATION


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