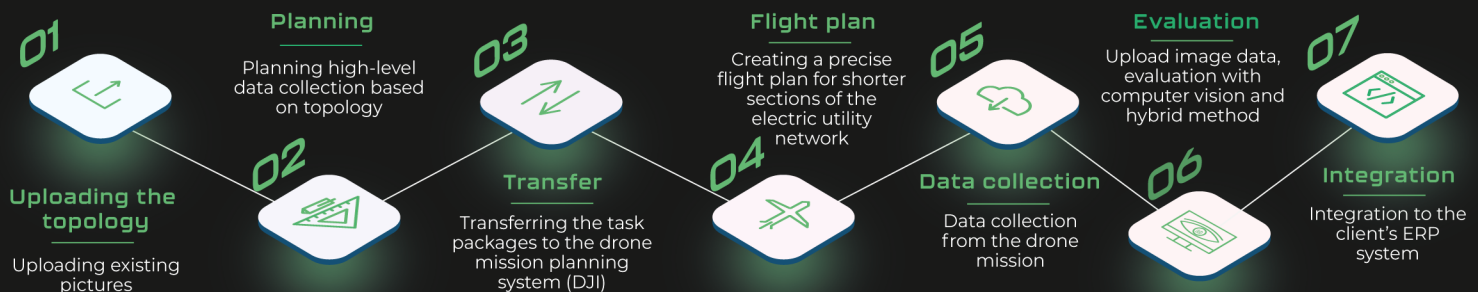## Pioneering Drone Detection Solutions

Talamone Group is at the forefront of cutting-edge drone detection services. Our solutions enable monitoring of the electrical grid from the air using drone camera detection. The system is capable of AI assisted automated flight route planning and data recording.

Utilizing the latest in technology, our drone detection system offers comprehensive monitoring capabilities. Our drones can be equipped with various sensors, including cameras for imaging, Lidar sensors, thermal cameras, and corona cameras.

Revolutionize Inspections with AI-Powered Drone Missions

Integrated Hawk Grid Platfrom

01 Uploading the topology
Uploading existing pictures

Planning
Planning high-level data collection based on topology

02

03 Transfer
Transferring the task packages to the drone mission planning system (DJI)

Flight plan
Creating a precise flight plan for shorter sections of the electric utility network

04

05 Evaluation
Upload image data, evaluation with computer vision and hybrid method

Data collection
Data collection from the drone mission

06

07 Integration
Integration to the client's ERP system

Core advantages

Advanced Detection: Our system employs state-of-the-art sensors (Camera, Lidar sensor, Thermal camera, Corona camera)

Real-time Monitoring: With continuous monitoring, we ensure instant detection and response to potential threats.

Customizable Solutions: Tailored to meet specific monitoring needs, our service provides flexibility in deployment across various environments.

Enhanced System Capabilities

Automatic data collection

Automatic data processing

Data evaluation by artificial intelligence

Display options – map, BI, dashboard

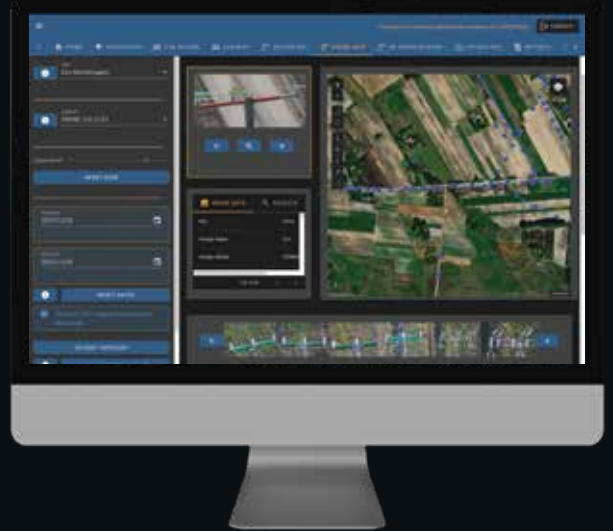Integration into any ERP system

Scalable system

Visualizing the operation of the
HAWK GRID DEMO Platform

Let's put your drone images to work!

AI based detection

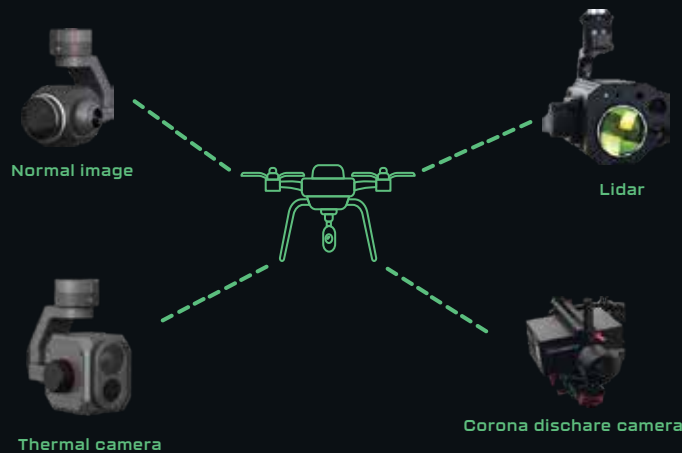### Intuitive user interface

Don't miss this free opportunity to put your drone images to work. **Sign up** now and experience the benefits of cutting-edge technology offered by HAWK System.

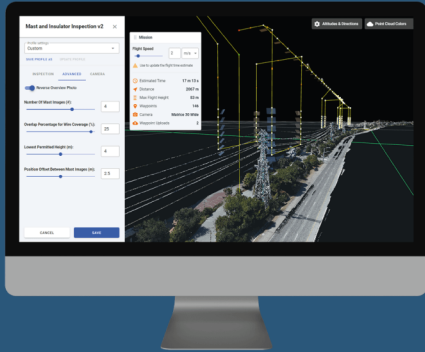## TRY DEMO

*Access is only granted for company registration.

Drone sensors

The following sensor types can be used in our drone data collection

Normal image

Lidar

Thermal camera

Corona dischare camera

3D Drone Missions

Discover each step in the drone mission process.

Strategically plan your drone mission with GIS-based insights for comprehensive infrastructure assessment.

Precisely design your data collection points at an object level for targeted and efficient aerial analysis.

Develop a custom application that integrates seamlessly with drone-captured data within your existing framework.

Execute your flight plan meticulously to ensure thorough coverage and high-quality data acquisition.

Supported Drone Models

Drone Type	Model Name
Matrice	
	Matrice 30 series
	Matrice 300 RTK with Phase One camera (P3)
Mavic	
	Mavic 3 Enterprise series
	Mavic 2 series
Phantom	
	Phantom 4 series

*In addition to the types of drone listed in the table, there are many other versions available.

What are the key benefits of our system?

Our system enables the creation of a comprehensive image database of the network in the field for remote analysis in office settings, offering convenience and flexibility.

With AI support, we can reallocate up to 50% of human resources from network monitoring to enhance operational efficiency.

This service-based product eliminates the need for initial investments, offering significant cost savings.

Furthermore, the image database evaluation results are delivered in near real-time, ensuring timely insights and decision-making.

How it works?

HAWK GRID Platform

Drone Sensor

ERP System

Data processing

GIS

Evaluation

Neural nets

AI model

Hybrid model

Discover how Talamone Group simplifies your workflow with drone detection.
Visit our website to learn more or contact us directly to discuss your needs.

HAWK-SYSTEM.COM

LEARN MORE

TALAMONEGROUP.COM

LEARN MORE

Have a Question? Contact Us

If you have any questions or need guidance about our services, please contact us using one of the contact details below!

Contact us today to learn more about how we can help you automate your business and achieve your goals.

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