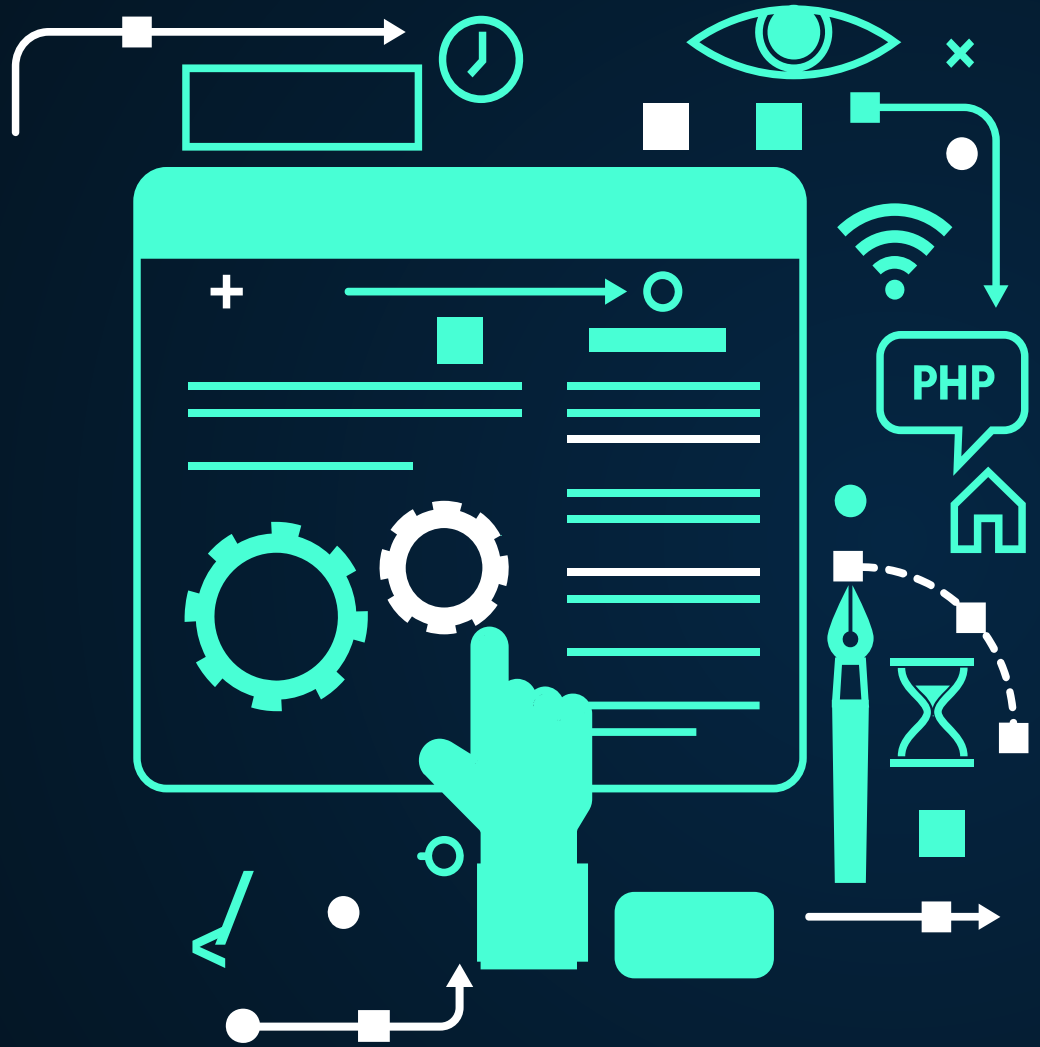


# SKYSURVEYOR

## Advanced Photogrammetry Analysis Software

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# ABOUT THE PROJECT

A user-friendly platform for visualizing drone imagery by GPS location, offering smart alignment and intuitive mapping–all without the complexity of traditional photogrammetry software

# Project Description

**CUSTOM ORTHOMOSAIC GENERATION**

Tailored, original algorithms for accurate maps using GPS metadata

**ADVANCED IMAGE PROCESSING**

Use of Trae AI IDE and Novita AI to analyze image quality

**EFFICIENT DATA MANAGEMENT**

SQlite stores user and model information for fast access

# PROJECT GOALS

**ACCESSIBILITY**

Lightweight and affordable solution for innovators and hobbyists

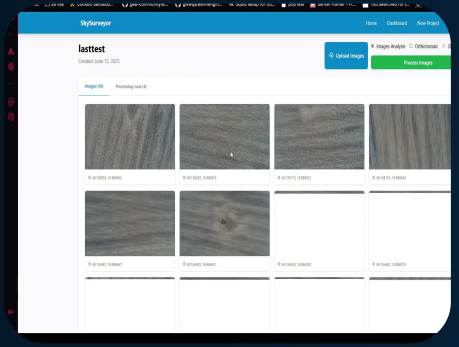
**HIGHLY ACCURATE MAPPING**

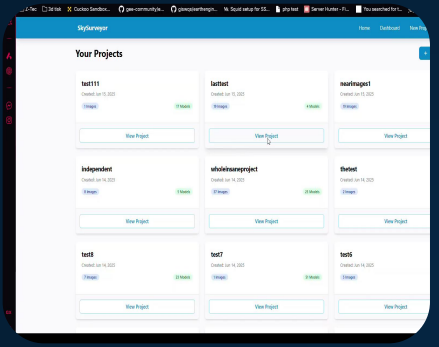
A custom-built algorithm with AI-enhanced techniques to deliver precise image alignment and spatial accuracy

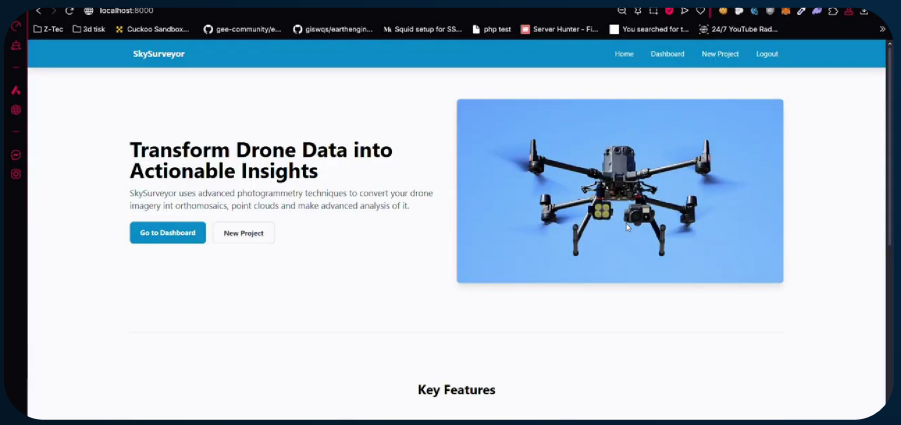
**INTELLIGENT IMAGE ANALYSIS**

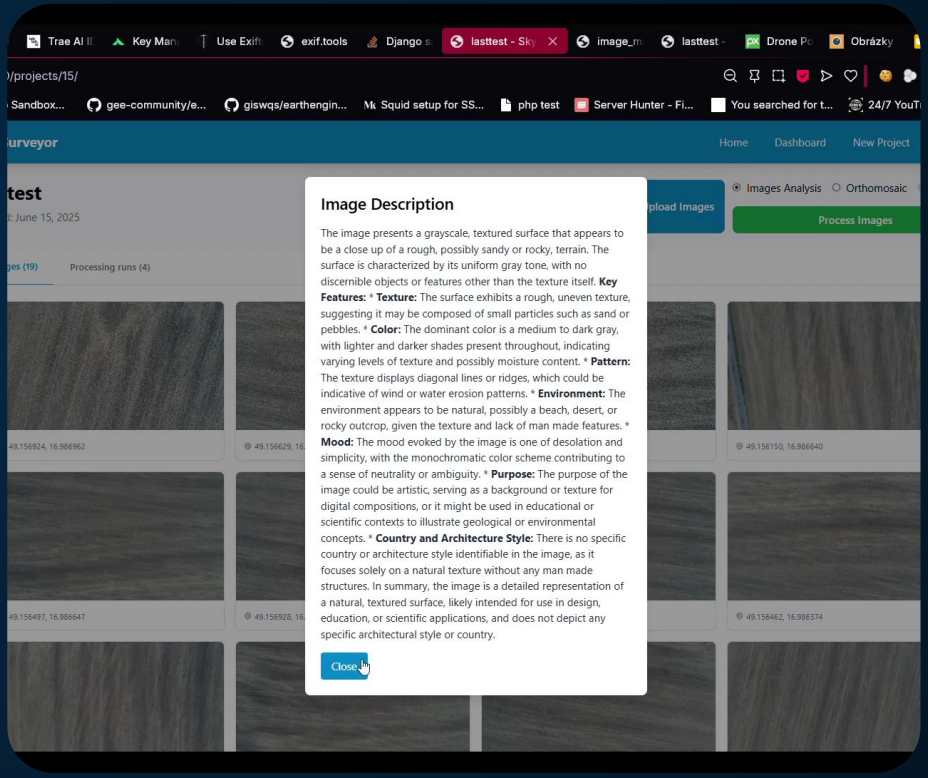
Optimized map outputs with minimal manual correction with Novita AI

# PROJECT DETAILS



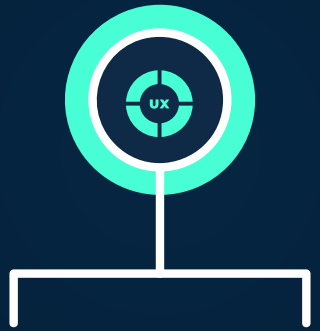



# REVENUE STREAMS

**PARTNER INTEGRATIONS**

Collaboration with drone companies and GIS; revenue from licensing or affiliate deals




**WHITE LABEL SOLUTIONS**

Custom branded versions for research institutions and environmental agencies

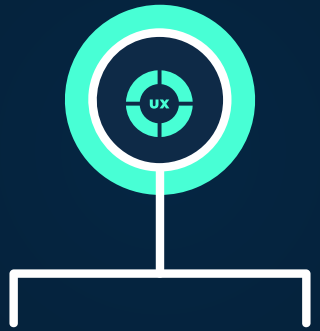
**ADD-ON TOOLKITS**

Additional features (value estimation, NDVI layers, terrain modeling)

# FUTURE DIRECTIONS

**AUTOMATED CHANGE DETECTION**

Use AI to compare changes in terrain, structures or vegetation




**OFFLINE PROCESSING**

Enable local devices to process images on-site without Internet. Ideal for use in disaster-struck areas

**MODEL EXPORT FOR VR**

Export data as 3D models for immersive visualizations to use in training and simulations