

KELLUU

DOES YOUR MISSION NEED AIRSHIPS?



12.2.2025

PROBLEM

Turning data from vast areas into actionable insights with high accuracy, cost efficiency, and environmental sustainability is a major challenge.



KEELUUU

WORLD'S ONLY MULTI-PURPOSE AIRSHIP COMPANY



AUTONOMOUS
DATA COLLECTION



DIGITAL TWIN
PLATFORM



ANALYSIS
SERVICES



An aerial photograph of a lush forest with a lake. A large, dark, elongated blimp is flying over the trees. The text 'YouTube video link' is overlaid on the image.

[YouTube video link](#)

KELLUU

KELLUU DIGITAL TWIN

A browser-based software enabling easy data access and real-time situational awareness.

Demo: [watch here](#)





Accelerate analysis
with AI-powered
insights

[AI-tool - video link](#)

SERVICES

DATA COLLECTION

SENSOR OPTIONS

- LiDAR
- RGB
- THERMAL
- MULTISPECTRAL
- EO/IR

PRODUCTS & PROCESSING

- 3D POINT CLOUD
- ORTHOMOSAIC
- NADIR AND OBLIQUE IMAGES
- DIGITAL TERRAIN MODEL (DTM)
- DIGITAL SURFACE MODEL (DSM)
- THERMAL ORTOMOSAIC
- MULTISPECTRAL NDVI & NDWI

PLATFORM

KELLUU DIGITAL TWIN

- BROWSER-BASED
- EASY DATA ACCESS
- IMPORT & EXPORT
- DIGITAL TWIN & SELF-INSPECTION

DOWNLOADABLE AND/OR VIEWABLE DATA

- 3D POINT CLOUD (LAZ, LAS & MESH)
- ORTHOMOSAIC (TIFF)
- NADIR AND OBLIQUE IMAGES (RGB)
- DIGITAL TERRAIN MODEL (TIFF)
- DIGITAL SURFACE MODEL (TIFF)
- THERMAL ORTOMOSAIC (TIFF)
- MULTISPECTRAL NDVI & NDWI (TIFF)

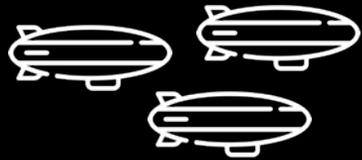
ANALYSES

ANALYSES BASED ON NEED

- SINGLE TREE DETECTION
- TRAFFIC DEVICES
- GRID INSPECTION
- CUSTOMIZED ANALYSES

METHOD

- HUMAN OR/AND AI
- RESULTS DELIVERED ACCORDING TO THE CUSTOMER'S PREFERENCE (KELLUU DIGITAL TWIN, CUSTOMER'S SYSTEM, ETC.)



1-20 AIRSHIPS

TWO SENSORS SIMULTANEOUSLY
800-1200ha PER AIRSHIP A DAY



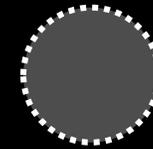
BASE STATIONS

AIRSHIPS ARE STORED
OPERATED FROM GROUND BASES



DATA & SERVICES

FLEXIBLE SERVICE MODEL
PRICING BASED ON AREA & FREQUENCY



INSPECTION AREA

YEAR-ROUND OPERATIONS
BETTER DECISIONS

BENEFITS

SILENT & EMISSION-FREE AVIATION

Minimal environmental impact without noise or pollution. Enables non-disruptive monitoring, even in sensitive areas.

COST-EFFICIENCY

Autonomous aerial data collection significantly reduces operational costs.

ACCURATE DATA FOR DECISION-MAKING

Up-to-date and precise insights that support highly detailed decision-making.

LONG-TERM BENEFIT

A scalable and sustainable solution for continuous data collection.



THIS IS NOT AN ORDINARY COMPANY.

We are building technology that drives real change, making societies more sustainable and secure. We turn the physical world into actionable data.

We are a Finnish company with the world's northernmost airship factory and the largest airship fleet in the world.

FOUNDED:
2018

TEAM:
50+



MARKET AREAS: Finland and Sweden

OFFICES: Joensuu, Tampere, Helsinki

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KELLUU