

PHASE ONE INDUSTRIAL

The world leader in high resolution imaging

PHASE**ONE**
Specialty Imaging Solutions



OUR AGENDA



ABOUT PHASE ONE



Products & Technologies



Our Customers & Their Imaging Objectives

OUR --- COMPANY



WE ARE A WORLD LEADING PROVIDER of medium format digital imaging systems and solutions for industrial applications and professional photographers



We supply **Imaging Technology** from high-resolution camera systems to advanced software solutions for better & more productive imaging workflows



PHASE ONE INDUSTRIAL focuses on imaging accuracy for industrial applications ranging from aerial image acquisition, through machine vision, to digital heritage preservation.

GLOBAL COVERAGE

North America

SALES / SUPPORT

Copenhagen

Headquarters
R&D Center

Germany

SALES / SUPPORT

Israel

R&D Center

Japan

R&D Center

Hong Kong

SALES / SUPPORT

Global coverage incl.
50 distribution & service partners



FACTS & FIGURES



Trusted brand with more than 100.000 satisfied customers



Worldwide **distribution infrastructure**



24/7 global **customer support**



Customer centric & innovative
team with + 25 nationalities

WE SERVE THE WORLD'S LEADING BRANDS WITH TOP IMAGE QUALITY & PRODUCTIVITY



- 3D cities
- Airborne mapping
- Engineering
- Asset management
- Forestry, agriculture, research
- Infrastructure planning
- Power line monitoring
- Open pit mining

Aerial Imaging

OUR CUSTOMERS



Lufthansa

GUGGENHEIM





OUR AGENDA



ABOUT PHASE ONE



Products & Technologies



Our Customers & Their Imaging Objectives

OUR RANGE OF PRODUCTS



Rodenstock and Schneider-Kreuznach lenses

Enabling speeds of up to 1/2500s

Manufactured with precision for ultimate image quality, performance and durability

Available in a range of focal lengths from 32 mm to 240 mm



50MP to 190MP Sensors

Cost effective alternatives to large format cameras

RGB and NIR solutions

Multiple cameras synchronization

UAV Ready - low weight and close integration with Pro UAV platforms

USB3 and CF Cards as Storage options

H/W interface for waypoint mapping



Rugged and Fanless platform

Power and Drive multiple cameras

Two removable solid state drives (SSD) with optional RAID system for data mirroring

Unlimited storage with multiple SSD drives

Pre-installed with iX Capture and Capture One



Software Solutions

Best in Quality Processing engine from Raw to TIFF/Jpeg

SDK for Win and Linux Platforms

Data Centers Processing support

iX Link for real time control via serial communication

Operational --- Edge

- Our cameras are qualified for Metric accuracy and Reliability
- We use Innovative Central shutter technology

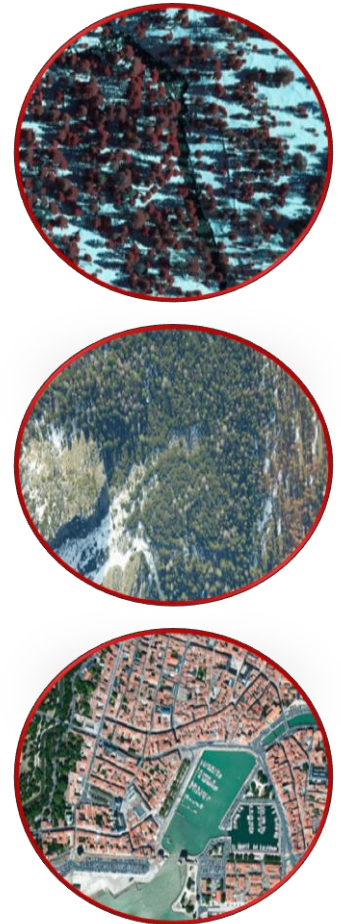
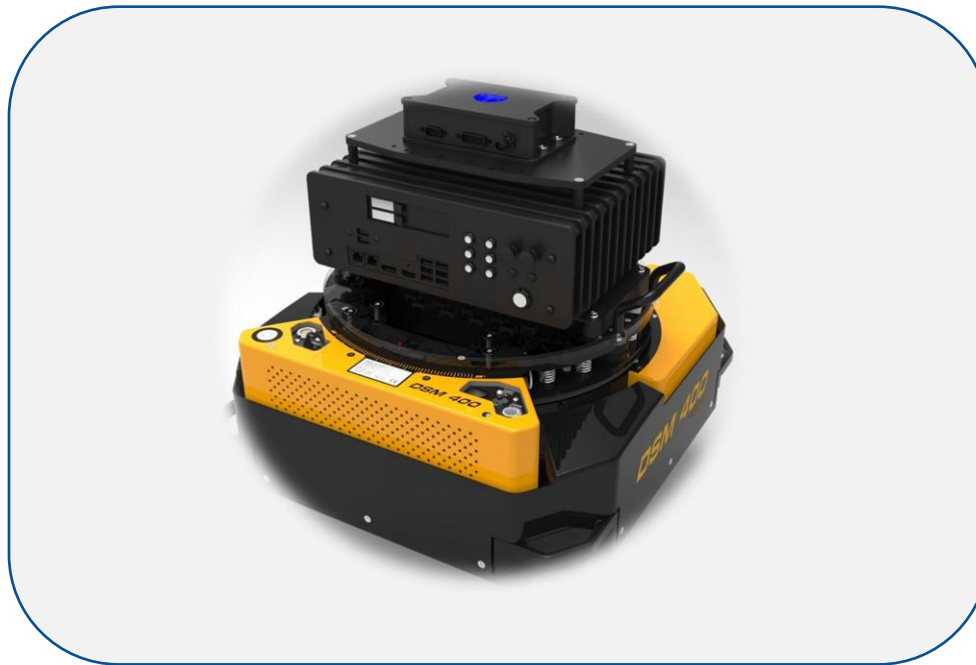
1/2500 Sec and 500,000 Activations

- Min 7 years service and support
- Premium Warranty Programs



OUR RANGE OF SOLUTIONS

100MP & 190MP – RGB & 4-Band



Aerial System based on PhaseOne, Somag, Applanix and TopoFlight Partnership



OUR AGENDA



ABOUT PHASE ONE



Products & Technologies



Our Customers & Their Imaging Objectives



MAPPING APPLICATIONS

OUR PARTHNER'S SOLUTIONS

3D Oblique – RGB & 4-Band



P PREMIUM
Warranty

Nadir-view = 28.200 x 11.500 Pixel

Oblique-view = 11.600 x 8.700 Pixel

Oblique angle = 42°

Image repetition = 0.6 sec

4 BAND INTEGRATION

FOR AGRICULTURE AND ENVIRONMENT MONITORING APPLICATIONS



GGs – 4 Band Solution



Germany

KEY SUCCESS

Fully automatic solution for capturing and processing 4-Band imagery, using two high-resolution Phase One aerial cameras

RESULTS



Simplifying the workflow by capturing 100MP 4-BAND imagery



Four different aerial mapping jobs were executed, focusing on the quality of vegetation in Speyer, Germany.

INTEGRATION WITH LIDAR SYSTEMS



KEY SUCCESS

Integration of Phase One cameras into the Galaxy and Orion Lidar systems to ensure the highest quality of images

RESULTS



Enhanced applications offering, including:

- Wide-area mapping
- Powerline and transportation corridor
- Natural Resource management
- Engineering and infrastructure modeling
- Urban Mapping
- Defense & Security



INTEGRATION WITH Mini POD



SkyIMD

United States

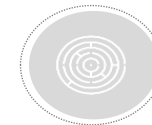
KEY SUCCESS

The uniquely designed aerodynamic camera platform ("pod") hosting Phase One cameras that was approved for commercial aviation by the FAA proves it's value.

RESULTS



Creation of a super accurate 1.7 gigapixel aerial image of Apple Campus II.



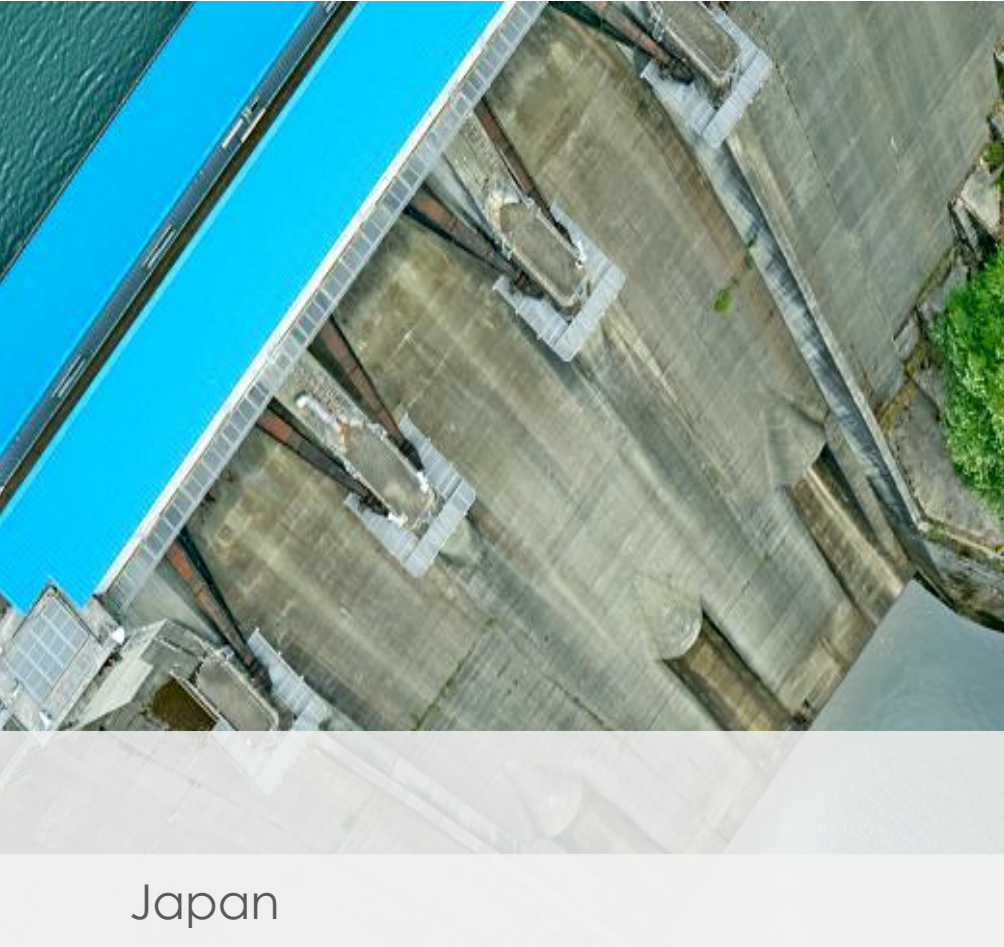
380 images @ 3cm GSD.



INSPECTION APPLICATIONS

UAV INSPECTIONS

mm detection of cracks



KEY SUCCESS

Detection of mm cracks via traditional visual inspections, without flying twice or using manned 'roped access' to eliminate occupational hazards.

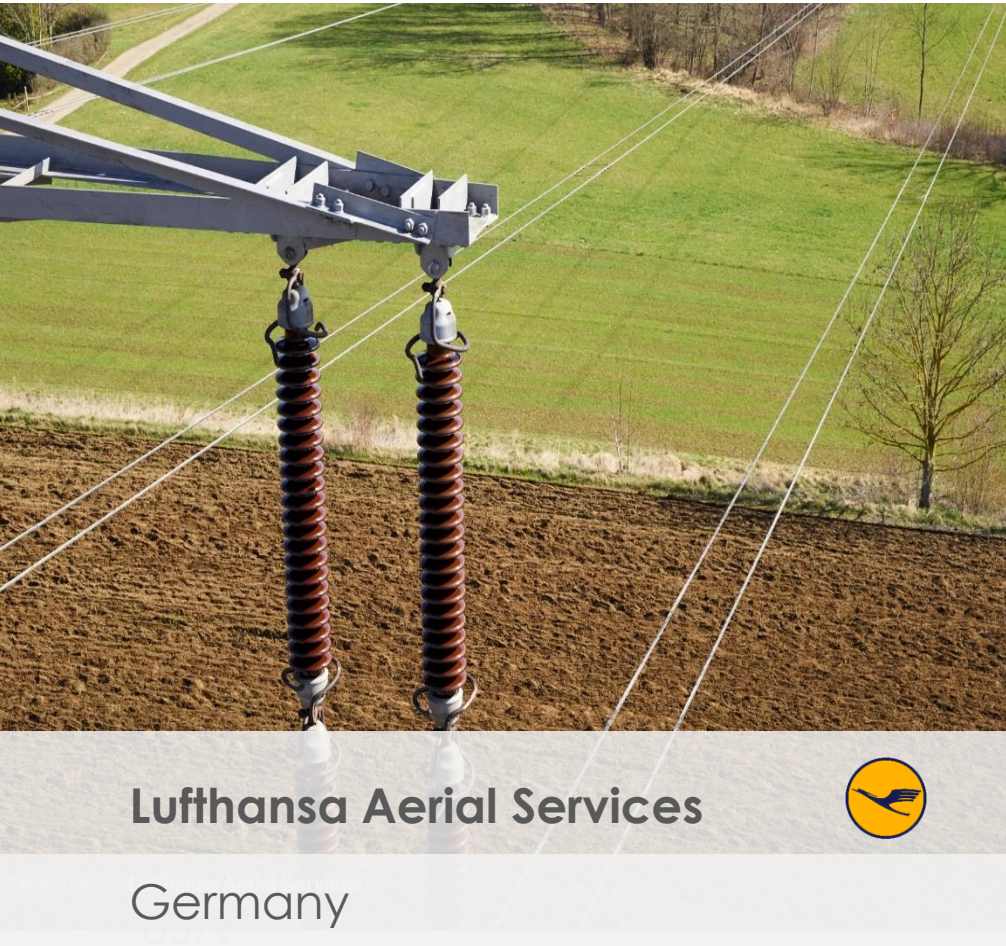
RESULTS



Ultra-high resolution with wide area coverage, able to reduce number of images comparing to current solution.

POWER LINE MONITORING

condition of isolators



KEY SUCCESS

Use of Phase One camera integration with DJI M600/Pro to provide turn key solution for Lufthansa

RESULTS



High dynamic range capabilities to cope with very bright and at the same time dark spots



Creating information rich point clouds for vegetation and obstacle monitoring



Identification of tiny cracks in the isolators

RAILWAY INSPECTIONS

full condition surveys (mm)



Plowman Craven

Plowman Craven

United Kingdom

KEY SUCCESS

Massively reduce risk, cost and timeframes compared to traditional surveying methods, and the data accuracy is superior to traditional laser-scanning systems

RESULTS



Capture track condition and measurement data from a position of safety even during traffic hours.



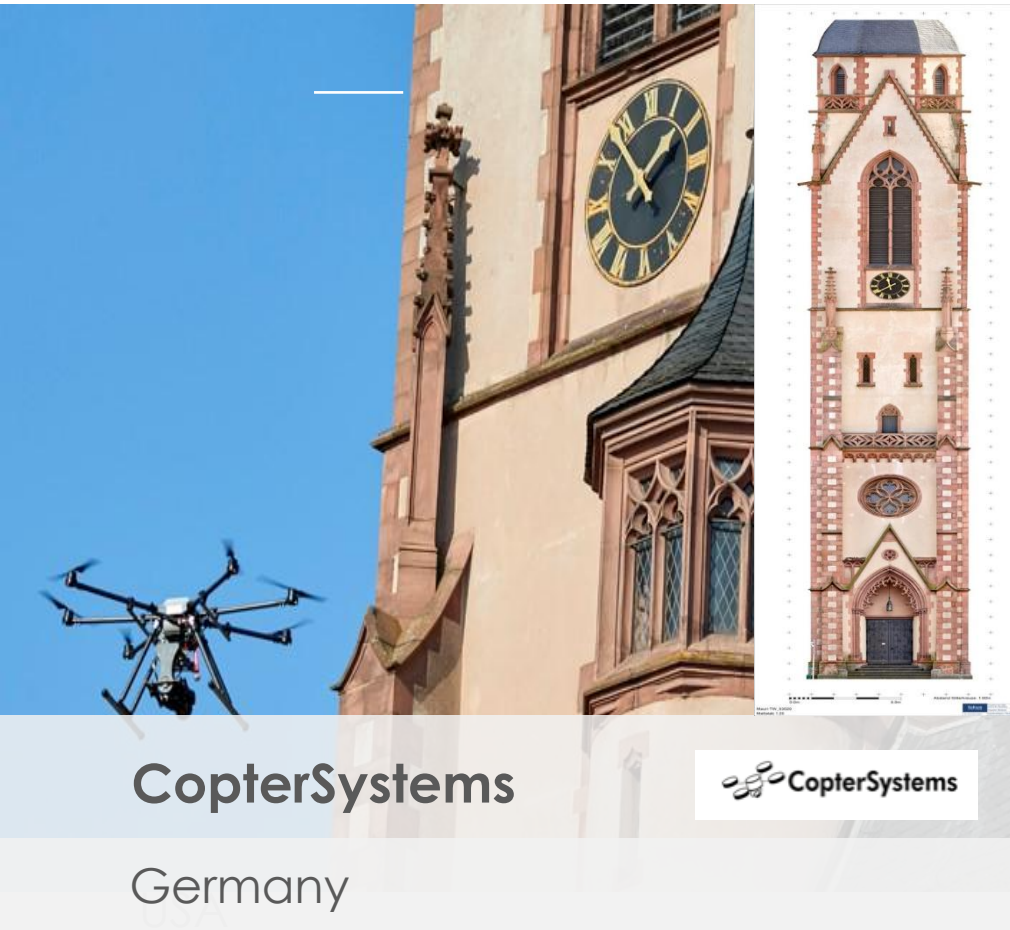
Shortening of program times and significant cost savings.



Creation of 1.0 mm point cloud

ARCHITECTURE – Drone

Ortho-façade of historic objects



KEY SUCCESS

True-to-scale image plans for the damage mapping and for the controlling process of restoration.

RESULTS



Ease of integration of the camera into the UAV



The camera's dynamic range enabled the capture of images in the highest resolution possible



Faster, safer and more efficient process - enables flight in city centers with high density of visitors without interrupting activities.

CopterSystems

Germany



OUR IMAGES



OUR IMAGES



OUR IMAGES



OUR IMAGES





Thank You

PHASE**ONE**
Specialty Imaging Solutions