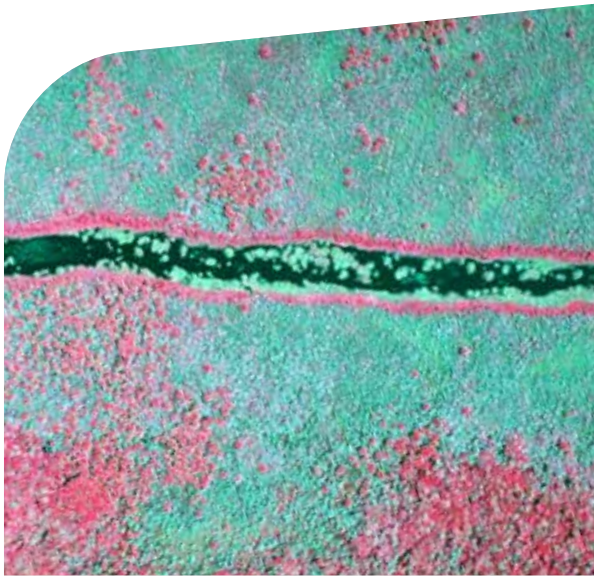


# Portable Remote Sensing with ADAM

The Out-of-the-Box Solution for Worldwide Application

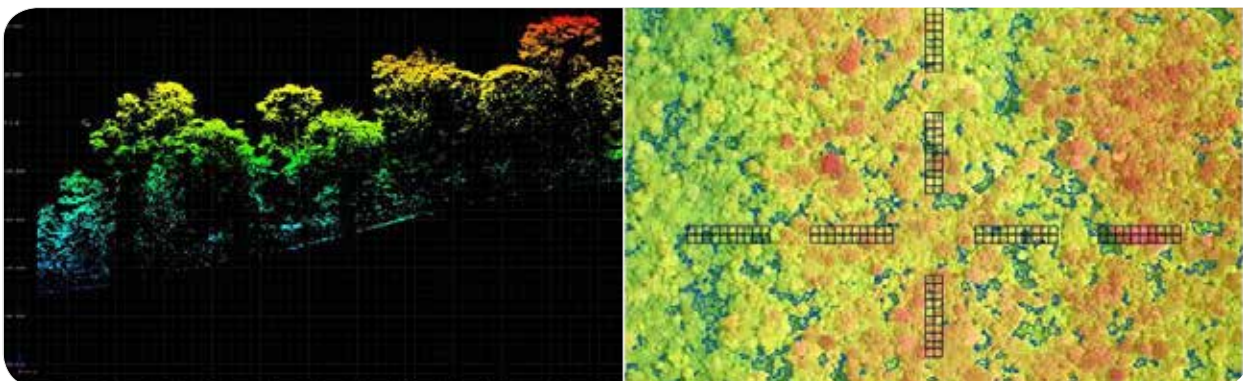


## Mobile Remote Sensing for Rental Aircraft



The mobile and flexible remote sensing platform ADAM (Airborne Data Acquisition & Mapping) can be transported in two suitcases to any country in the world. It can be mounted by a single person in one hour on a rented aircraft. ADAM has been certified to be operated on Cessna 182, 182T, 182S and T182T.

## Imaging Examples

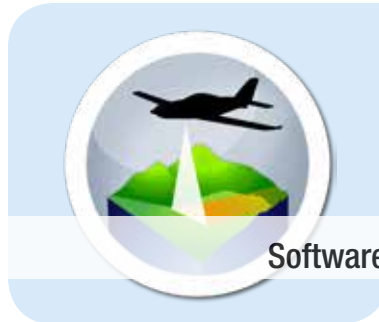


The ADAM – system allows the capturing of LiDAR data and aerial photos and comprehensive analyses for various application. In this example ADAM is used for tropical rainforest monitoring and inventory in combination with field plots.

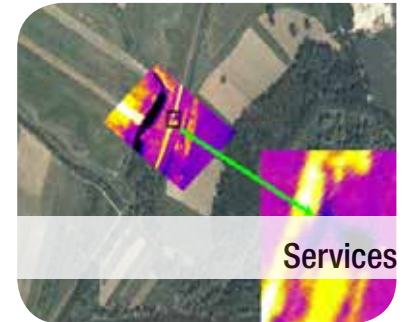
## Our Expertise in Remote Sensing



- Mobile and flexible remote sensing platform ADAM
- Suitcase solution for world-wide use
- Certified and available for Cessna 182, 182T, 182S and T182T



- DSM/DTM and ortho-photo production with RSG-Photo
- Multi-sensor image stacks with RSG-Photo
- Forest and infrastructure monitoring with IMPACT-LIDAR



- Customized data processing solutions for value adding suppliers
  - ▶ Forest inventory
  - ▶ Precision farming
  - ▶ Urban mapping
  - ▶ Thermal mapping
  - ▶ and many others ...
- Consulting & research

## System Components Overview

### Standard configuration

- Phase One IXU-R 180 RGB  
80MP / 10328 x 7760pix / 0.8fps / 50mm lens
- Prosilica GX6600 NIR  
30MP / 6576 x 4348pix / 4fps / 35mm lens
- Riegl VQ580 laser scanner (optional)  
50 – 380kHz / 60° FOV

### Alternative configuration

- Infratec VarioCAM hr head 640S LWIR (7.5 – 15µm)  
640 x 480pix extended by sweeping mirror to:  
1800pix across track / 0.8fps / 50mm lens
- Prosilica GX6600 RGB  
30MP / 6576 x 4348pix / 4fps / 35mm lens
- Prosilica GC2450 NIR  
5MP / 2448 x 2050pix / 15fps / 8mm lens
- Riegl VQ580 laser scanner (optional)  
50 – 380kHz / 60° FOV



*Rainforest inventory in Suriname*

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### **JOANNEUM RESEARCH**

Forschungsgesellschaft mbH

### **DIGITAL**

Institute for Information and Communication Technologies

### **Univ.-Prof. Dipl.-Forstw. Dr. Mathias Schardt**

Steyrergasse 17

8010 Graz

Austria

Phone +43 316 876 1754

email: [info@remotesensing.at](mailto:info@remotesensing.at)

[www.remotesensing.at](http://www.remotesensing.at)