

**Microsoft**

# Vexcel Imaging / Microsoft Photogrammetry Photogrammetric Week 2009

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**Open Phowo Partner**

**Microsoft**

***Vexcel Imaging GmbH / Microsoft Photogrammetry***

***proudly attends the Phtogrammetric Week 2009***

***as an Open Phowo Partner***

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# Open Phowo Partner

- **UltraCamXp** Large Format Digital Aerial Camera
- **UltraCamL** Medium Format Photogrammetric Camera
- **UltraMap PF** The new Postprocessing Software
- **UltraMap AT** Aerotriangulation

*Presentation : Schellingstr. 24 / 1<sup>st</sup> floor*

# Open Phowo Partner

**To be announced**

- **UltraCamXp w/a** Small Scale Mapping Camera
- **UltraCamLp** Medium Format Photogrammetric Camera
- **UltraMap V2.0** The new Postprocessing Software

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# UltraCamXp Camera System



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# UltraCamL Camera System



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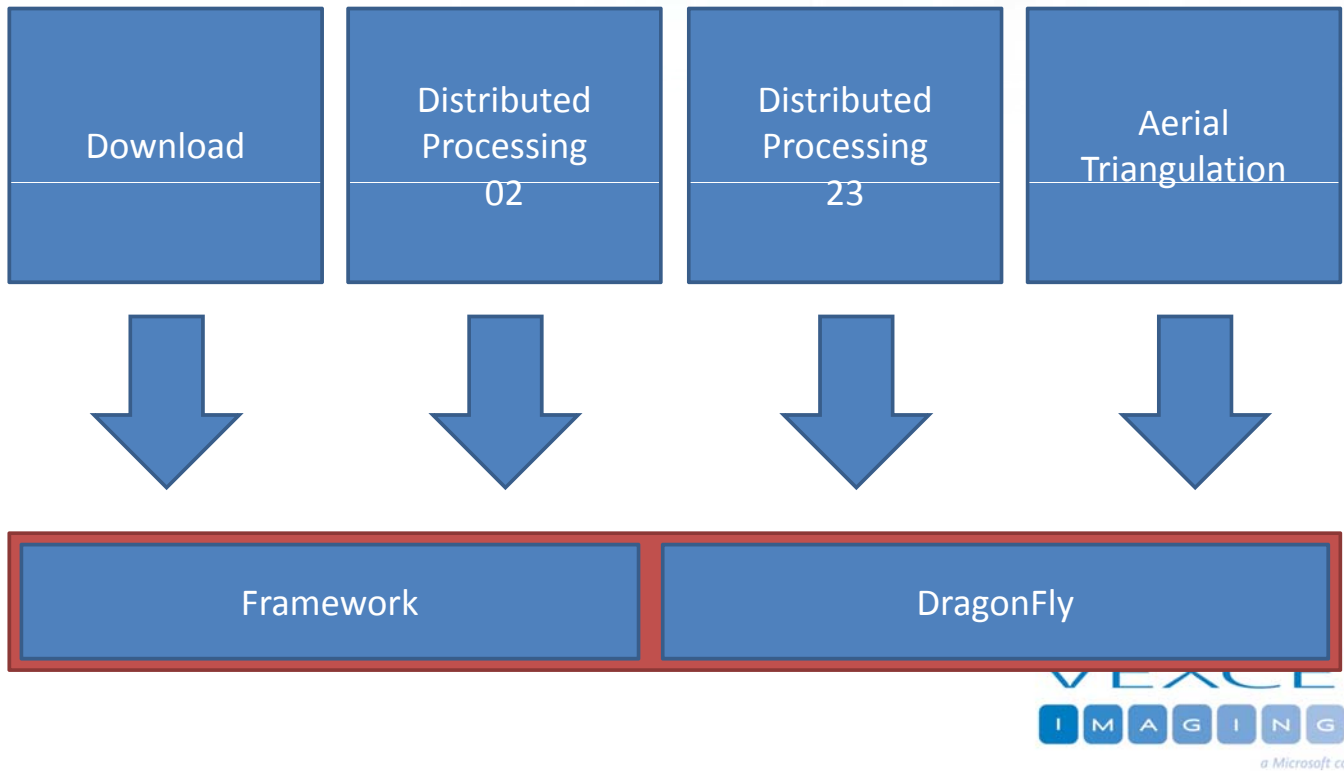
## ■ UltraCamL / Lp

- Mapping camera with productive footprint
  - (~12 k by ~8 k Pixels)
- High quality panchromatic image
- True color RGB and Near Infrared simultaneously
- Les weight (55 kg) – no separate Storage Unit
- SSD based storage system
- Smaller aircrafts, low power consumption

# UltraMap Platform

## Brief Overview

# UltraMap



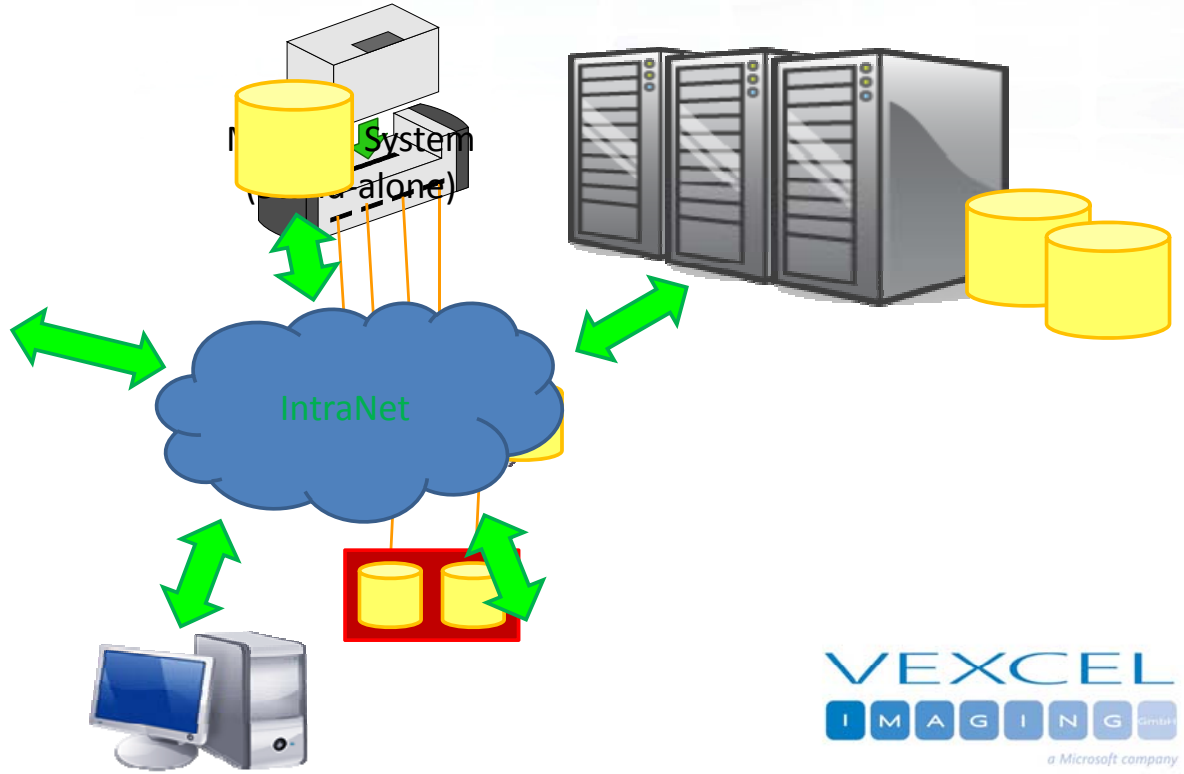
# UltraMap

- New photogrammetric software family
- Best support for the UltraCam
- Based on new Microsoft technologies
  - .NET 3.0
  - WPF user interface
  - WCF distributed processing
- Seadragon technology
  - Block visualization
- HD Photo image compression
  - Lossless compression

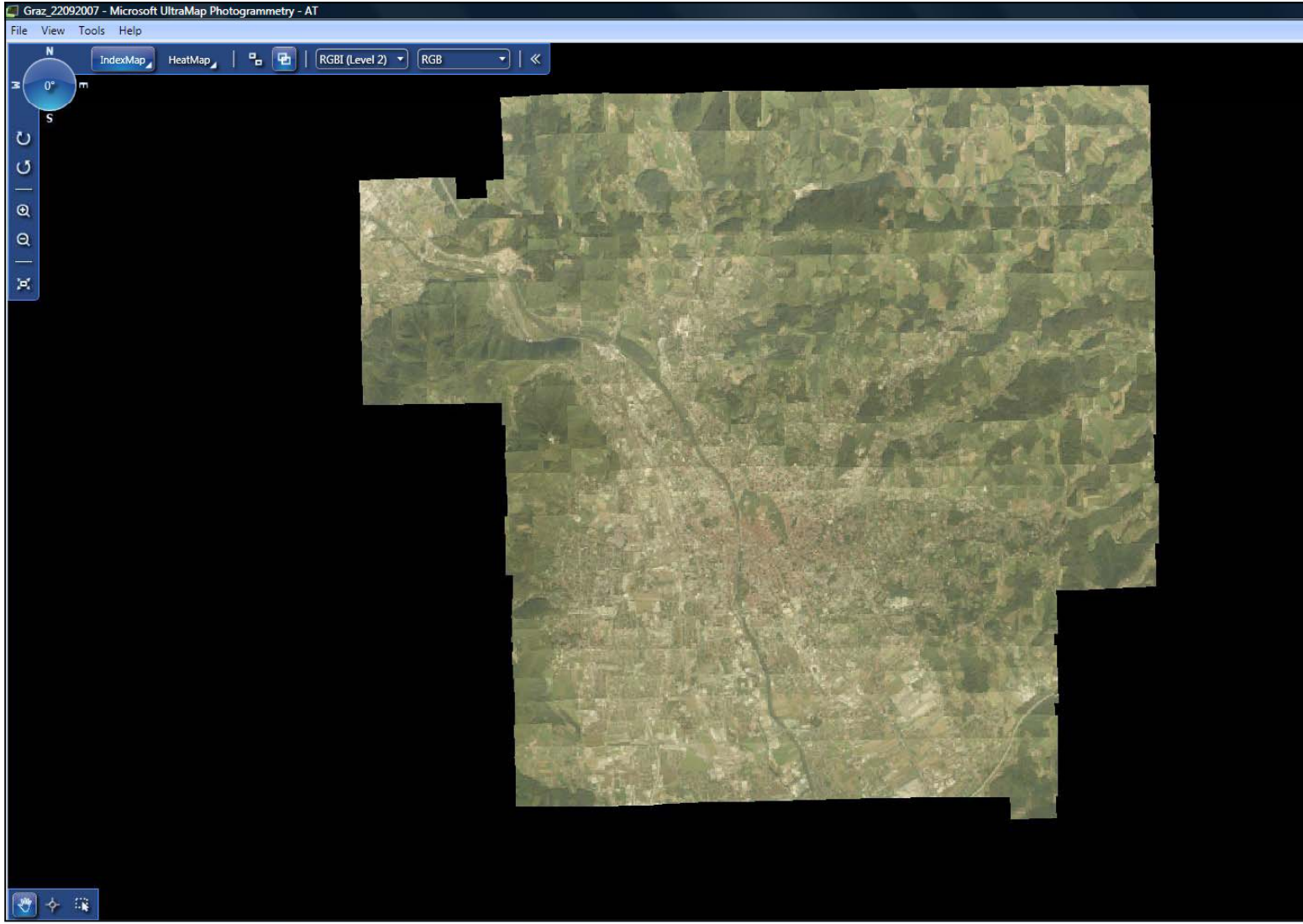
# UltraMap

Large System  
(Main Office)

Small System  
(Field Office)



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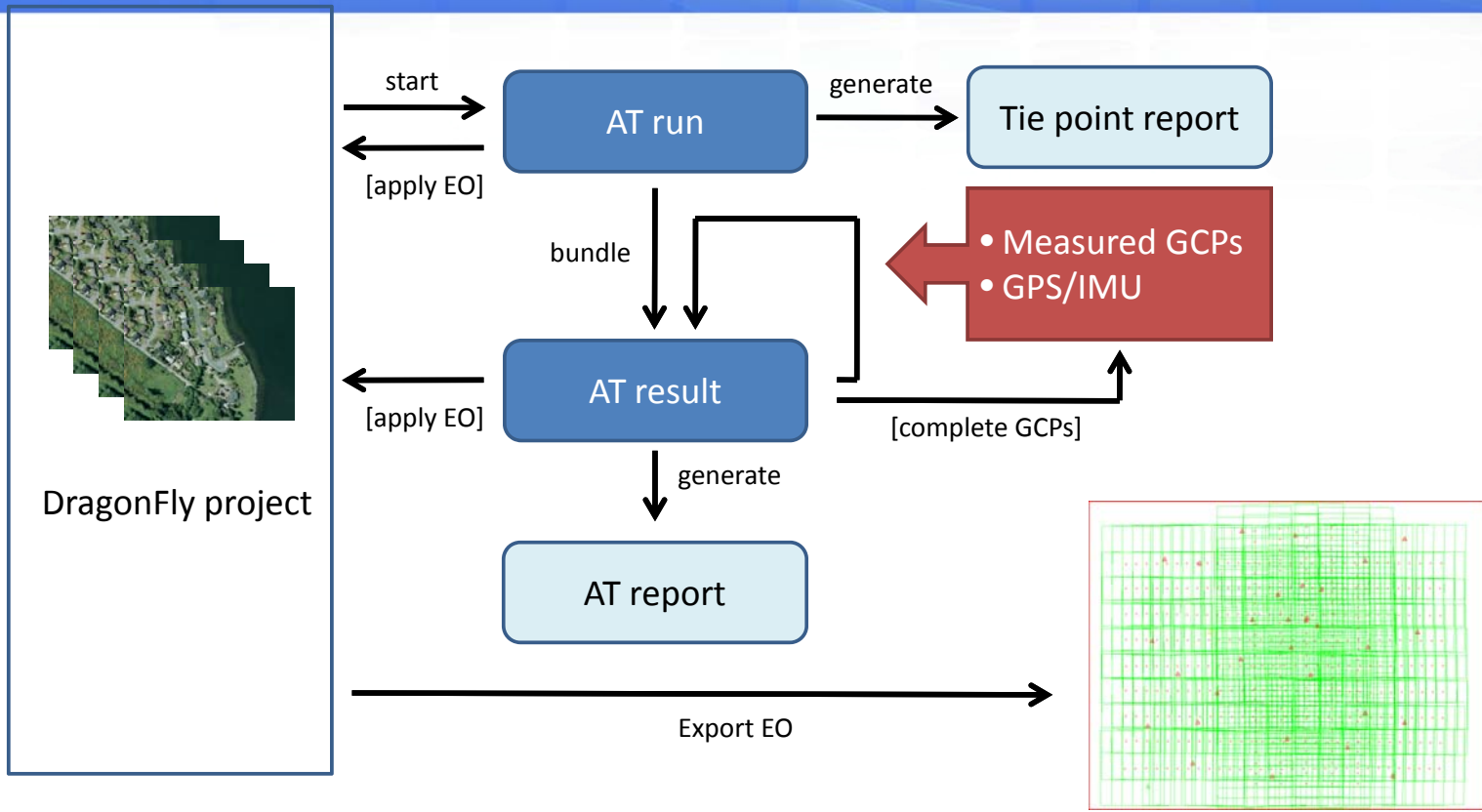
# UltraMap-AT

## Brief Overview

# AT Features

- Automated tie point collection
  - Feature-based
  - Area-based
- Integrated photogrammetric bundle adjustment
  - Blunder detection
  - Data snooping
  - ...
- Guided point measurement

# High-Level AT Workflow



## Please swing by:

- Vexcel Demonstration @ PhoWo
  - Monday to Friday
  - 14:30 to 15:30 and 16:00 to 17:00
  - University of Applied Sciences, Schellingstr. 24, 1. Floor
  - Vexcel Code „G“
  - Content: UltraCamXp, UltraCamL, UltraMap, UltraMap AT
  
- [www.microsoft.com/ultracam](http://www.microsoft.com/ultracam)



