

# Intergraph – Z/I Imaging

Jack Ickes, *General Manager – Z/I Imaging*



Image courtesy of Rossi Fotogrammetria, Italy.



Image courtesy of AAM Hatch, Australia.

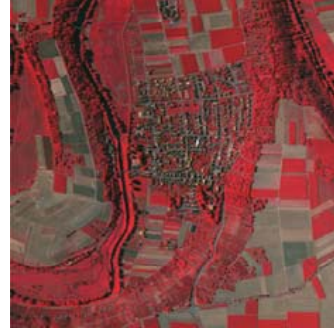


Image courtesy of Z/I Imaging, Germany.

Security, Government & Infrastructure



## Agenda



### Background

- Intergraph
- Z/I Imaging

### Z/I Imaging Today

### Sensor Overview

### Imagestation PixelPipe

### Conclusion

# Background



## Intergraph

- ❑ Founded in 1969
- ❑ Leading global provider of engineering and geospatial software.
- ❑ Customers in more than 60 countries rely on Intergraph's industry-specific software to organize vast amounts of data into understandable visual representations and actionable intelligence.
- ❑ Intergraph has approximately 4,000 employees worldwide (as of 31 Dec 08) and generated 2008 revenue of \$808 million
- ❑ Approximately 60% of total sales are generated outside of the United States.



# Background



## Z/I Imaging

- ❑ Z/I Imaging was formed in 1999 when the Intergraph Corporation of Huntsville, Alabama and Carl Zeiss of Oberkochen, Germany combined their various assets pertaining to photogrammetry and remote sensing.
- ❑ Zeiss founded in 1848, is a world-renowned leader in precision machinery and optics and pioneered the science of photogrammetry.
- ❑ Intergraph pioneered the introduction of the computer-aided drafting as a platform for digital mapping system in the early 1970s and is now one of the world's leading computerized mapping companies.
- ❑ In 2002, Z/I Imaging became wholly owned by Intergraph. Zeiss remains a key supplier of custom optics for the DMC and RMKD digital cameras.



# Z/I Imaging Today



Z/I Imaging today is operated as a separate global organization within Intergraph. Z/I receives the benefit of Intergraph's global presence and financial stability while retaining the responsiveness of a small company.



**There are 3 development centers:**

1. Huntsville, Alabama
2. Hyderabad, India
3. Aalen, Germany

**There are 5 support centers:**

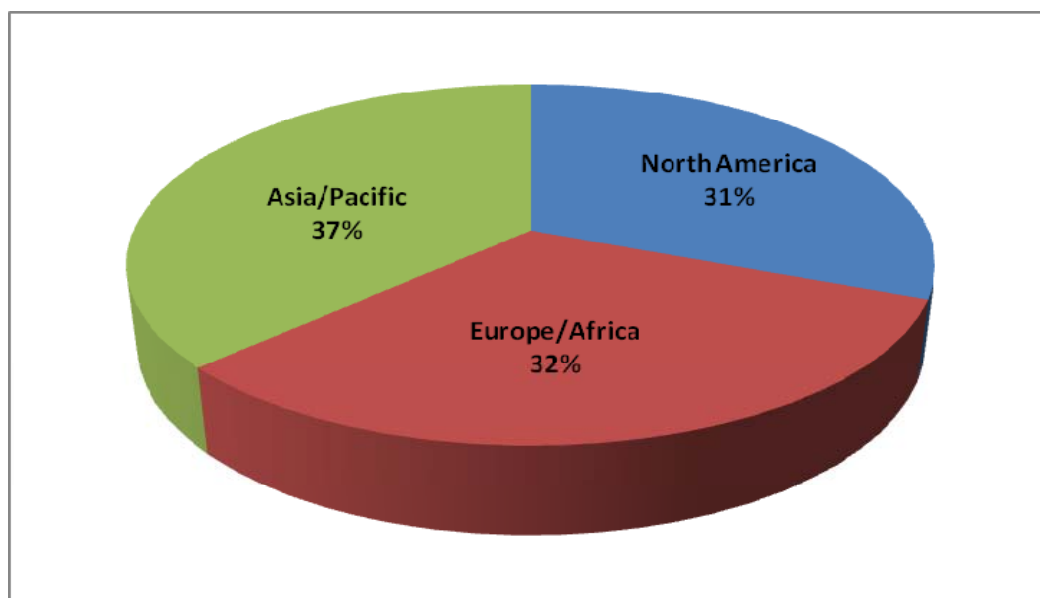
1. Denver, Colorado
2. Huntsville, Alabama
3. Aalen, Germany
4. Beijing, China
5. Tokyo, Japan



# Z/I Imaging Today



Z/I Imaging is a global company supporting our customers worldwide. At the end of Q3 there will be more than 100 DMCs sold across the globe.



# Sensor Overview



Z/I Imaging is committed to producing the highest quality products in the market. Continuous upgrade programs allow our customers to preserve the investment that they have made in Z/I Imaging over the years.



The DMC (Digital Mapping Camera) was first introduced in 2003. Continuous improvements such as SSD storage have made it the market leader in framing cameras still today.

Z/I Imaging was the first to introduce SSD technology!



# Sensor Overview



Z/I Imaging will introduce the beginning of a new family of sensors in 2009. This new family will be based on single monolithic sensors with the highest photogrammetric characteristics in the industry. Follow-on products will be presented later in the week.



The RMKD is the first product in this new family of sensors. It is the first “metric” mid-format camera on the market.

The SSD storage and Z/I mount are common peripherals shared between the DMC , RMKD and future sensors.



# Imagestation Pixel Pipe Vision



Intergraph's vision for a total Ortho-production workflow solution



## Progress Review

- Expansion of Existing tools
- Addition of new tools where needed
- Partnerships to accelerate progress

Workflow/Production Management							
DMC PPS	AT & QC/QA	DTM Extraction	DTM Edit QA/QC	DTM Prep	Rectification	Mosaic	Ortho QA/QC
Distributed Processing							
Content Management							



# Conclusion



- Z/I Imaging provides a complete portfolio of products from acquisition (DMC and RMKD digital sensors) to exploitation (Imagestation Software Suite) to customers worldwide.
- We are **committed** to our customer's success and preservation of their investment.
- The rich history of Intergraph and Zeiss combined into Z/I Imaging to produce strength in both hardware and software. The result of which is the most comprehensive product offering in the industry.
- We are very pleased to be a part of the 52<sup>nd</sup> Photogrammetric week here in Stuttgart. We wish you a pleasant and worthwhile week!



Thank you for your attention!



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