

## Intergraph – A Company Profile

**JACK ICKES, Huntsville**

### ABSTRACT

Z/I Imaging is unique in its ability to both provide and support end-to-end photogrammetric solutions across the globe. With the strong worldwide presence of Intergraph and the history of quality, Z/I Imaging stands alone as a global leader of complete photogrammetric solutions.

### 1. INTRODUCTION TO INTERGRAPH

Intergraph is the leading global provider of engineering and geospatial software that enables customers to visualize complex data. Businesses & governments 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's software & services empower customers to build and operate more efficient plants and ships, create intelligent maps, and protect critical infrastructure and millions of people around the world. Intergraph operates through two divisions: Process, Power & Marine (PP&M) and Security, Government & Infrastructure (SG&I).

Intergraph was founded in 1969 and maintains its corporate headquarters in Huntsville, Alabama. Intergraph had 4,041 worldwide employees as of December 31, 2008. Intergraph generated revenue of \$808.4 million in 2008 with approximately 60% of total sales generated outside of the United States.

### 2. SECURITY, GOVERNMENT & INFRASTRUCTURE (SG&I)



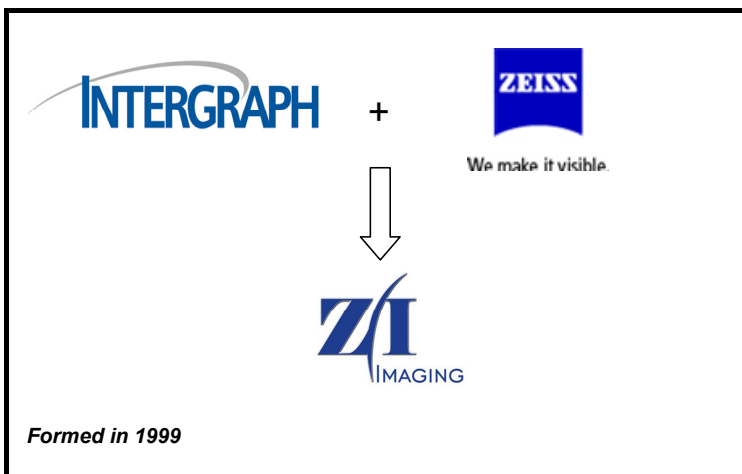
Intergraph SG&I is a leading, global provider of geospatially-powered solutions to the defense and intelligence, public safety and security, government, transportation, photogrammetry, utilities and communications industries. Customers around the world rely on Intergraph's deep domain expertise and industry-specific solutions to manage critical assets, prevent and respond to incidents, and support mobile resources. The Company's 40-year heritage in spatial technology and commitment to customer success has positioned Intergraph SG&I as a leading global provider of geospatially powered solutions with approximately \$470 million in annual revenue. Through Intergraph's software

solutions, customers can make better and faster operational decisions vital to the safety and well-being of millions of people around the world each and every day.

### 3. SG&I PHOTOGRAMMETRY (Z/I IMAGING)

#### 3.1. History

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 at the turn of the last century. 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 the Intergraph Corporation. Although Zeiss no longer has any ownership in Z/I Imaging, it remains a partner and key supplier of custom optics for the DMC and RMKD digital cameras.

#### 3.2. Z/I Imaging today

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



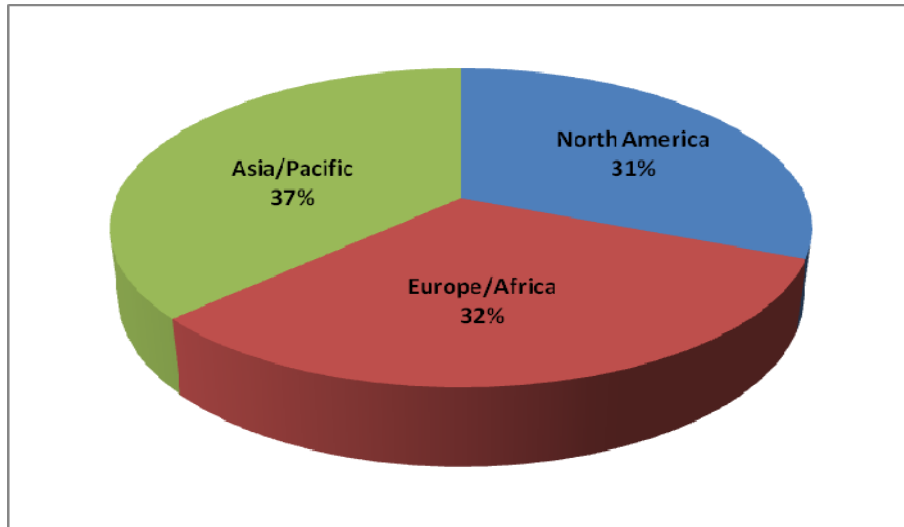
There are 3 development centers:

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

There are 5 support centers:

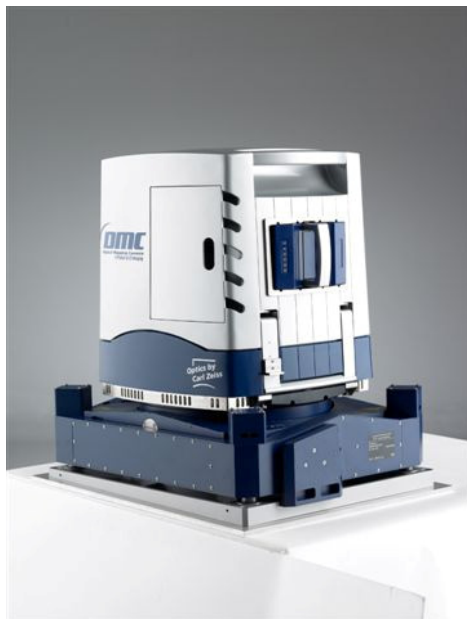
1. Denver, Colorado
2. Huntsville, Alabama
3. Aalen, Germany
4. Beijing, China
5. Tokyo, Japan.

Z/I Imaging is a global company supporting our customers worldwide. At the end of Q2 there were 96+ DMCs sold across the globe.



### 3.3 PRODUCTS

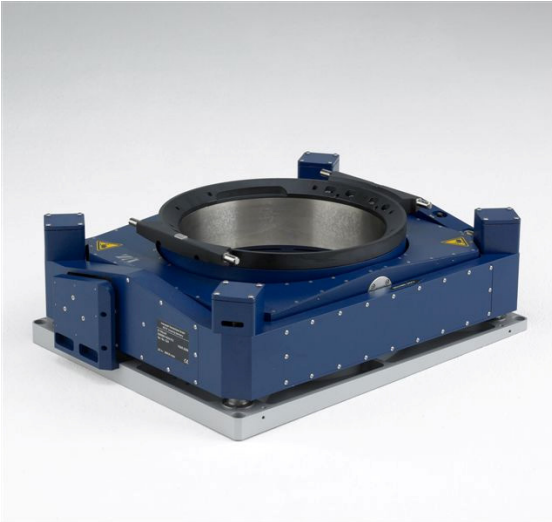
Z/I Imaging is committed to producing the highest quality products in the market. Continuous upgrade programs allow our customers to preserve the investment that they have made in Z/I Imaging over the years.



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!





The Z/I Mount was designed specifically for the performance requirements of a Digital Camera.



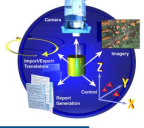
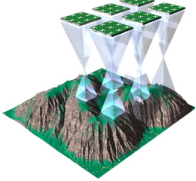

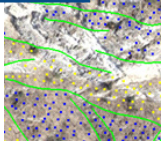

The RMKD is the first “metric” mid-format camera on the market.

RMK D will be the foundation for our future large format digital camera systems. Currently a series of sensors are under development, based on ultra large single CCDs. These new sensors can be added as 5th camera head to RMK D and thus convert it into a large format camera.

ImageStation software suite provides solutions across the whole range of Earth Imaging applications *faster*, with *greater accuracy*, and *at a lower cost*.



The Z/I Imaging Imagestation Software suite provides a total workflow solution to our customer base.

|   |   |  |
|---|---|--|
| <p><b>Project Management</b></p>                    | <p><b>ImageStation Photogrammetric Manager</b></p>  |   |
| <p><b>Orientations<br/>Triangulation</b></p>        | <p><b>ImageStation Model Setup</b><br/> <b>ImageStation Digital Mensuration</b><br/> <b>ImageStation Automatic Triangulation</b><br/> <b>ImageStation Satellite Triangulation</b></p> |   |
| <p><b>Stereo Feature<br/>Collection/Editing</b></p> | <p><b>ImageStation Feature Collection (MicroStation)</b><br/> <b>ImageStation Stereo Display (MicroStation)</b><br/> <b>ImageStation Stereo for GeoMedia</b></p>                      |   |
| <p><b>DTM Collection<br/>&amp; Editing</b></p>      | <p><b>ImageStation DTM Collection (MicroStation)</b><br/> <b>ImageStation Automatic Elevation</b></p>   |   |
| <p><b>Orthophoto<br/>Production</b></p>             | <p><b>ImageStation Base Rectifier</b><br/> <b>ImageStation OrthoPro</b><br/> <b>ImageStation PixelQue</b></p>   |  |

**4. 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.