

Groupe Alta Improves Mapping Productivity with the Integration of Complete Digital Workflow



GEOSPATIAL COMPANY INCREASES CAPACITY AND WORKFLOW USING DIGITAL MAPPING CAMERA (DMC®) FROM INTERGRAPH®

THE CHALLENGE:

Groupe Alta is one of the largest geospatial organizations in North America, well known for the quality and accuracy of its geospatial products and services. The company was established more than 50 years ago and remains to this day a leader in the industry. Processing more than six million feet of film and producing more than 5,000 maps each year, Groupe Alta needed to increase imaging and mapping capacity and productivity. In 2006, Groupe Alta searched for a quality partner that would provide them with high-precision digital cameras, innovative digital imaging technologies, and support throughout their integration and implementation.

THE PROJECT OBJECTIVES:

- Integrate a comprehensive digital workflow
- Establish a partnership with a company to market and promote each other's operations
- Increase image capacity and map productivity

THE SOLUTION:

Groupe Alta purchased the Intergraph Z/I Imaging Digital Mapping Camera (DMC®) in May 2006. A high-end large-format digital camera, the DMC was developed by Intergraph to integrate the benefits of digital technology to aerial mapping cameras. The camera enables Groupe Alta to provide its customers with high-precision, high-quality orthophotos while reducing time and costs associated with processing and developing images, resulting in quicker, more efficient turnaround times. It also provides the company with an effective digital, end-to-end workflow, increasing the return on investment. The camera also offers expanded capabilities compared to analog cameras, eliminating the laborious and time-consuming tasks of processing and scanning film, resulting in significant time and cost savings. In addition, the DMC was adaptable to Group Alta's existing camera mounts, making it easy to install on their aircraft.

Since the installation of the DMC, Groupe Alta has increased the accuracy of photogrammetric measurements, and the clean digital data produces higher-quality products for their customers.

PROFILE:

Name: Groupe Alta

Web site: www.groupealta.com

Groupe Alta has been a North American leader in the field of aerial data acquisition and geospatial technologies and solutions for more than 50 years. The company counts on a multidisciplinary team of engineers, professionals and technicians located worldwide and has significant accomplishments in more than 65 countries. Groupe Alta implements and exploits the most advanced technologies and techniques in the industry of aerial data and image acquisition, processing, and distribution. Its mission is to continue to provide its customers integrated geospatial technologies and solutions and to support them in their geospatial implementation processes.

KEY BENEFITS:

- Expanded capabilities over analog cameras
- Adaptability to existing camera mounts
- Increased accuracy of photogrammetric measurements

PRODUCTS USED:

- Digital Mapping Camera System
- Post Processing Software
- Distributed Process Module
- ImageStation® Aerotriangulation Software

Groupe Alta completed its first production job through the entire system in less than a month. Today, the DMC system enables the company to more efficiently manage more than 200 contracts in over 65 countries and produce more than 250,000 aerial photos each year.

“After careful consideration, we selected Intergraph’s Z/I Imaging® DMC as the best digital mapping camera suited for our customers and our company,” says Groupe Alta President and CEO Benoit Raymond. “The speed of the DMC provides the ability to perform in a broader range of light and weather conditions than analog cameras, and our longtime relationship with Intergraph were key factors in making our decision. The DMC continues to enable us to streamline our workflow to address a growing need in the industry for extremely accurate earth imagery.”

Intergraph continues to assist Groupe Alta with the implementation and start-up troubleshooting during any new integrations, providing accurate, efficient, and timely support.

THE FUTURE

Intergraph Canada recently awarded Groupe Alta with the prestigious Intergraph Geospatial Excellence Award, honoring innovative institutions demonstrating strong leadership and rapid adoption of cutting-edge geospatial technology within their organization.

Groupe Alta plans to expand its capabilities by purchasing additional digital camera and software systems from Intergraph. For companies looking to integrate digital camera technology, Groupe Alta suggests selecting a partner with a proven solution and support network that can handle the complexities of a custom installation and enable a seamless move to a new workflow.

TO LEARN MORE

For more information on Intergraph’s photogrammetry solutions, e-mail sales@intergraph.ca.

ABOUT INTERGRAPH

Intergraph is the leading global provider of engineering and geospatial software that enables customers to visualize complex data. Businesses and 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 and 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.

For more information, visit www.intergraph.ca.

