

# AERIAL SENSOR DATA PROCESSING

## What do I need to begin the processing?

First Base Solutions has invested heavily in the construction of an automated image processing facility. Capable of handling data from multiple sensors simultaneously, we can process imagery from either UltraCAM or DMC cameras through GPS/IMU processing, Aerial Triangulation, Automated DSM/DEM creation and Orthorectification and colour balancing and mosaicing. In addition, we have the ability to render 3D Building models from your stereo model data sets.

## How does Sensor Data Processing work?

Our technology infrastructure includes the latest in IBM SAN Systems incorporating almost 200Tb of data storage plus virtual blade serve technology. In addition, we have another 70 servers (100Tb) of separate "on floor" production machines running Intergraph, Vexcel, PCI, ER-Mapper, Lizardtech, ISM, SimActive, BAE-SocetSet, Google Enterprise and others. Backup and Archive is through a 200 tape automated storage and retrieval system for both near line and offsite locations.



Tape library and Storage Array / Blade Center

## What are the benefits of working with FBS technology?

As one of Canada's leading providers of Aerial Imagery and Mapping products we can assist you from data acquisition, compilation, hosting, and distribution. We would be pleased to assist you at any time.

Imaging Earth is our expertise. A wholly-owned subsidiary of J. D. Barnes Limited, (founded in 1960), First Base Solutions provides geospatial products and services that include digital aerial image acquisition, orthophotography, and rapid production of cityscapes comprising tens of thousands of precision 3D models. We also develop web e-commerce mapping applications and offer Google Earth Enterprise as one of only three Google geospatial partners worldwide and the first outside the USA.



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[www.firstbasesolutions.com](http://www.firstbasesolutions.com)

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43° 51' 33.27" North  
79° 21' 52.70" West