

GXL

PROFESSIONAL PRODUCTION



PCI Geomatics is at the forefront of high volume processing of Earth Observation imagery. To play a significant role in the emerging high speed computing industry as it relates to imagery, PCI has invested significantly in developing technology that is innovative, nimble, portable, scalable, automated, and most of all optimized for high speed performance. Now, organizations of any size can leverage this investment and harness 30 years of expertise to complete massive image processing tasks effectively and efficiently.

With the costs of maintaining IT infrastructure rising, choosing PCI's managed GXL processing services includes many benefits. Your organization will save time, money, and stress by leaving their valuable data in the capable hands of the imagery experts.

Leverage 30 years of knowledge and expertise to complete your most challenging projects.

PCI Geomatics has developed and implemented more than 400 proprietary algorithm modules over the course of the company's 30 year history. Our professional team is comprised of experts with backgrounds in Earth observation and the processing of remotely sensed data including geometric/ortho correction, mosaicking, atmospheric correction, image analysis and radar analysis. When you choose PCI's Professional Production services, you are gaining the know-how of an organization that knows your data as intimately as you do.

Industry-leading software optimized for jobs of any size.

Our team has continually made strategic investments in its computing infrastructure, and in developing software that leverages this latest technology. PCI was among the first to have implemented parallel processing algorithms, and custom GPU optimized code. With Professional Processing services, whether your job is running on our local rack, or a massively scalable cloud environment, your data are automatically monitored and balanced for optimal processing.



**TRUST
YOUR IMAGERY
TO THE
IMAGERY
EXPERTS**

Rapid, high quality processing

PCI Geomatics provides leading edge image pre-processing services, providing you with high quality output products in record time. Trust our team of experts to handle your job accurately and efficiently.

Economic benefits

By leveraging GXL Professional Production services you can reduce overhead costs, including infrastructure maintenance, IT-operations, and training. We provide an excellent alternative that is economically feasible.

Gain Piece of Mind

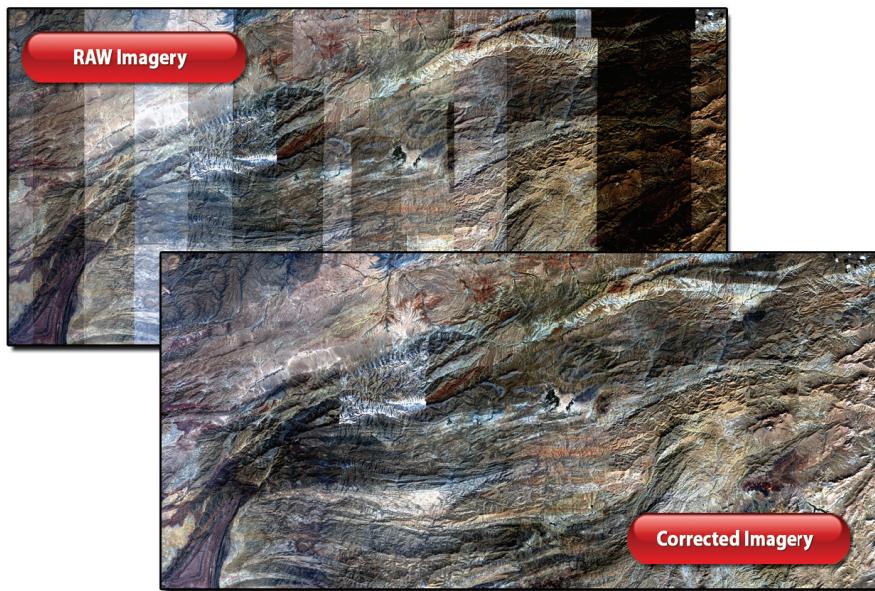
Redirect your organization's resources towards business-critical tasks and focus efforts on core activities knowing that your image processing needs are in good hands.

Top Benefits of GXL Professional Processing Services

Reduced Costs	Optimize the costs by paying only for the processing you need without large capital expenses.
Increased Security	Whether using PCI's highly available dedicated servers, or a cloud instance, uptime and redundancy are guaranteed.
Flexibility and Scalability	Easily add or remove resources to any task without disrupting your own core business activities

Top Quality Assurance Specialists using Top Quality Assurance Tools.

Project accuracy is crucial to the success of any project. Trust PCI's Professional Production team to sort and filter GCPs and Tie Points, while employing advanced radiometric colour balancing techniques to create seamless mosaics of massive swaths of the Earth's surface.



GXL can process any size project, providing picture perfect mosaics every time

Production Tailored to your Exacting Specifications

PCI's Professional Production team will process your imagery as far as you like. Whether you require a complete mosaic from a large dataset of uncorrected, raw images, or simply want existing products improved - we will work with you to turn the imagery you have into the finished products you need.

Professional Production Services include:

Orthorectification Our team will run functional models developed to compensate for distortions and produce orthorectified images from raw sensor data. Distortions caused by the platform (position, velocity, and orientation), the sensor (orientation, integration time, and field of view) the Earth (geoid, ellipsoid, and relief), and the cartographic projection (ellipsoid and cartographic) are all taken into account and corrected for with or without GCPs.

Pansharpening We accurately fuse multi-spectral and panchromatic image data together, forming a high resolution multi-spectral dataset. Our pan sharpening routines yield extremely high quality output, providing stunning results.

Mosaicking Using expert knowledge and top-quality QA tools, we collect information from across all scenes in a project to determine optimal colour balancing, create cutlines, and determine preferred z-ordering, providing all necessary elements to create high quality mosaics with options for single file or tiled output.



PCI Geomatics Headquarters
50 West Wilmot Street
Richmond Hill, Ontario
Canada, L4B 1M5
Phone: (905) 764-0614
Fax: (905) 764-9604
Email: info@pcigeomatics.com
Web: www.pcigeomatics.com