Recognized as a leader in geomatics, Effigis has been providing innovative geospatial solutions since 1991. Earth observation services, infrastructure surveys, telecommunications network monitoring, GNSS software, geological studies: we are a one-stop source for all your geoinformation needs.
Flexible and professional, we can adapt to meet your specific challenges whatever your sector or size of project. Our commitment is simple: maximize all our resources, both technical and human, to exceed your expectations. Systematically.

Develop geospatial solutions that stand out
Our products and services are developed and delivered with a constant concern for quality and reliability, by a competent, highly knowledgeable team that strives to always be ahead of the curve.

Quality policy statement
Technological innovation is a constant concern at Effigis. Our employees make every possible effort to accommodate our clients’ needs, placing top priority on respecting established deadlines and budgets to enable ongoing improvement.

ISO 9001:2008 certification
This recognition is granted by Intertek to certify the implementation of a quality management system that satisfies the requirements of the latest ISO 9001 standard. With this certification, Effigis ensures that it maintains a high standard of quality in the services it offers, with the goal of improved client satisfaction.
For more than 25 years now, Effigis has been conducting a host of Earth Observation application development projects, with the support, among others, of the Canadian Space Agency, European Space Agency and Quebec’s Ministry of Economic Development, Innovation and Exporting.
Our EO application development services leverage the use of radar and optical data to generate topographic maps, update land use and assess mineral potential. Projects completed or ongoing include:

**ReauSO**
Development of a methodology using radar imagery for the monitoring of wetland-related Canadian Environmental Sustainability Indicator and analysis of wetland loss.

**CartoSAR-Nord**
Use of RADARSAT-2 data to produce official national topographic maps on, and information for monitoring national parks in northern lands above the 81st parallel.

**EO4M**
Use of satellite images to help mining companies manage their waste and residues.

**ADD-OT-TSX**
Use of high-resolution radar images to provide map information for the monitoring of mining operations in cloud-prone tropical areas.

**SARVeillance**
Identification of disturbances to plant cover in protected natural environments and rural environments from a surveillance perspective.

**StereoSAT-North, StereoSAT-Africa and StereoSAT-Peru**
Optimization of the production of topographic and thematic data from satellite images.

**ADD-OT**
Development of products to help mining companies produce mandatory reports related to sustainable development.

**EQeau**
Development of an application for estimating the water equivalent of snow on the ground using RADARSAT satellite data.

**MPAS**
Operational integration of satellite, geophysical and geochemical data within a mineral potential assessment system.

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**Services well-adapted to your industry**

- Aeronautics / Space
- Environment
- Mining, oil and gas
- Public administration
We combine remote sensing with geology to create high value-added services for mining and oil exploration firms as well as governmental agencies. Backed by our geology and geomatics expertise, we meet your needs for geological studies applied to mineral and oil exploration, as well as geotechnical investigation.
Our geological services combine our geologists’ experience with the integration of geoscientific information derived from geophysical, geochemical and remotely sensed data.

**Spectral analysis**
Detect mineral indicators associated to lithological assemblages or to hydrothermal alteration based on the analysis of satellite multispectral or hyperspectral data.

**Geological mapping**
Improve your geological understanding of the territory being investigated. Our geologists map your sector of interest using satellite and geophysical data.

**3D geological model**
We build 3D models of the sub-surface structural architecture to support mining, oil and gas exploration or operations.

**Mineral and hydrocarbon potential**
Increase your chances of discovery. Our specialists help you target the best sectors to explore in the field using ore deposit models.

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**Services well-adapted to your industry**
- Mining, oil and gas
- Environment
- Consulting engineering

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We help you improve the quality and longevity of your networks. Backed by the latest hardware and the support of a dedicated R&D department, our patrol teams hit the road to protect the quality of your networks. You respect your objectives, your budget and government standards, without worrying about operational and technical details.
Our network maintenance services take advantage of our unmatched experience in broadband network monitoring and in infrastructure inventory and inspection. They include:

**Leakage audit patrols**
Free up your resources. Our teams specialized in broadband networks leakage detection take charge of your CLI audit patrols and give you accurate reports that comply with government standards.

**Repair services**
Let us solve your problems. We provide unique, custom services to manage and repair leakage and ingress problems in your networks. You set your objectives; we take care of the rest.

**Pole inspection**
Manage your assets efficiently. We’ve been managing pole inspection projects since 1997, on behalf of electrical and telecommunications companies. Our expertise and our good knowledge of networks prove invaluable when it comes to speeding up your optic fibre deployment projects (FTTH).
Our 3D modeling services provide you with a faithful and accurate representation of your area of interest, whether on the surface or underground. Our visual simulation tools allow you to better appreciate the topography of a given site and make informed strategic or operational decisions.
Our 3D modeling services are especially useful when planning projects in the areas of transportation, energy, and natural resource exploration and exploitation. They include:

**Visual simulation**
Understand the topographic environment of a given site and make informed strategic or operational decisions.

**3D sub-surface model**
We build 3D models of the sub-surface structural architecture to support mining, oil and gas exploration or operations.

**Services well-adapted to your industry**
- Public administration
- Aeronautics / Space
- Forestry
- Consulting engineering
- Mining, oil and gas
We provide a range of services for monitoring environmental changes and the condition of natural resources. Our operational solutions use Earth Observation imagery and help you identify and follow up on changes that happen anywhere on the planet.
Our monitoring services form valuable tools to monitor such things as climate changes, natural disasters or land-use.

Change detection
Using an automated process that consists of comparing images acquired on two or more different dates, we identify changes that have occurred in your area of interest.

Crop monitoring and crop yield
Our specialists develop crop yield diagnostic tools that take advantage of the possibility of acquiring images several times during the growing season.

Natural disasters
Following natural disasters such as floods and earthquakes, we provide, in urgent mode, satellite images and map information that help people in the field to plan and manage onsite operations.

Environmental studies
We support you in your social and environmental commitments and assist you in your decision-making process in sustainable development.

Services well-adapted to your industry
- Public administration
- Agriculture
- Environment
- Forestry
- Utilities
- Mining, oil and gas

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We have been building a strong track record in infrastructure inventory for close to 25 years. This involvement has allowed us to collect millions of assets on the territory and stand out as a leader in infrastructure inventory in Eastern Canada.
Our infrastructure inventory services include planning, surveying, quality assurance and management for your projects as dictated by your priorities and needs.

Our team is made of GPS professionals and technicians specialised in network management. This guarantees the quality of the geolocation of your assets with a high degree of confidence. The data we gather about your networks, buildings or infrastructure position or description accurately reflect reality while strictly respecting your budget and timeframe.

Our quality control and assurance processes help generate very reliable data, considerably shortening the time spent on design and engineering activities.
We produce a number of map products tailored to your specific needs. We have developed a unique expertise in producing thematic and topographic data from stereo satellite images. Also, thanks to the broad range of experience that our personnel have gained on the Quebec Cadastral Renovation Program in the past 20 years, we can meet all your cadastral mapping needs.
Our land-based mapping services form a series of accessible and indispensable tools for the analysis, decision-making and communications surrounding any land-related project. They include:

**Topographic mapping**
We specialize in the production of topographic maps starting at scales of 1:2,000, digital surface models, digital elevation models, contour lines and slope maps.

**Cadastre**
We provide services for the management of real estate securities (easements, property title certificates, emphyteutic leases, etc.). Our professionals, who belong to the Ordre des arpenteurs-géomètres du Québec, can take charge of all your property management activities.

**Thematic mapping**
The data we provide you with are produced by our thematic specialists (geomorphologist, forestry expert or geologist) who extracts the information directly using digital photogrammetric workstations.

**Mining titles and oil and gas licenses**
Let us help you identify and manage your mining titles or oil and gas licenses.

**Services well-adapted to your industry**
- Public administration
- Aeronautics / Space
- Agriculture
- Mining, oil and gas
- Forestry
- Consulting engineering
- Utilities
As leaders in the field, we have more than 25 years of experience in the analysis, design, development and implementation of geospatial solutions based on the use of geographic information systems (GIS). Our goals are to understand your business process and efficiently respond to your needs.
We deliver innovative GIS-based solutions that become valuable decision-support tools, whatever your sector of activity.

Our technological choices are driven by our comprehensive view, our multidisciplinary resources, our knowledge of the key GIS technologies and the expertise that we have gained in using GIS for more than 25 years.

We deliver turn-key services that include all the data lifecycle steps, from gathering to distribution to updates.

We help you optimize your business intelligence using geospatial information with the following:

- needs analysis;
- data quality integration and certification;
- meta data production;
- online data distribution (Web GIS);
- development and implementation of custom solutions;
- engineering and integration of complete solutions including electronic equipment;
- proficiency in key GIS and DBMS technologies;
- involvement in Open Source technologies.

Services well-adapted to your industry

- Public administration
- Environment
- Mining, oil and gas
- Utilities
- Telecommunications
We have been assisting you with your Earth Observation projects for more than 25 years. Besides providing you with satellite images tailored to your needs, we offer the image processing you require to conduct your projects. This high value-added processing ranges from improving image quality to producing geospatial information using the latest techniques.
Our image processing services let you get the most out of your satellite images by taking advantage of the unique and proven expertise of our specialists. These services include:

**Standard image processing**
We carry out several types of image processing that facilitate information extraction: orthorectification, colour balancing, enhancement, image fusion, mosaic creation and selection of appropriate spectral bands for optimal analysis.

**Interferometry**
Interferometry is used to produce digital surface models spanning very broad areas and to detect and assess very small ground deformations or structural movements with centimetre accuracy.

**Classification**
Our image classification services are beneficial for extracting information relevant to the user. They speed up the production of thematic maps by using an automated or semi-automated process.

**Services well-adapted to your industry**
- Aeronautics / Space
- Agriculture
- Forestry
- Consulting engineering
- Mining, oil and gas
- Public administration
We have been assisting our clients with their Earth Observation projects for more than 25 years. Our team of qualified specialists guides you to choose the images best suited to your needs and the specific conditions of your project.
Images that fulfill your needs
Whatever the scope of your request, or its complexity, urgency or budget restraints, our team has the knowledge and commercial relationships to fulfill even your toughest demands.

Following a deep analysis of your needs, we tailor our offering to the specific features of your project. We can access a broad selection of images in image banks, or plan the acquisition of new images covering any territory of interest to you. Whatever your request, we help you make the right choices.

Numerous distribution agreements
The preferred commercial partnerships we have formed with key satellite operators around the world let us work closely with them so that you get the best possible satellite images for your needs.

Products well-adapted to your industry
- Public administration
- Aeronautics / Space
- Environment
- Forestry
- Consulting engineering
- Mining, oil and gas
OnPOZ is a complete line of GNSS products for field and office. Designed for end-users, companies and OEMs/VARs, OnPOZ allows users to improve the reliability, consistency and integrity of their geo-localized data acquisition business process.

COLLECT GEO-LOCALIZED DATA AND GUARANTEE ITS ACCURACY

OnPOZ is a complete line of GNSS products for field and office. Designed for end-users, companies and OEMs/VARs, OnPOZ allows users to improve the reliability, consistency and integrity of their geo-localized data acquisition business process.
Software
OnPOZ Precision Positioning Software is a complete suite of applications that enables you to easily and accurately collect, record and post-process geospatial data.

EZTag CE™
Professional solution for GNSS/GIS data capture and management (descriptive and geometric data, points, lines and polygons).

EZField™
Powerful yet easy to use survey software for collecting GNSS survey data to obtain centimetre accuracy in static and semi-kinematic modes.

EZSurv®
GNSS Post-Processing software that provides a reliable and efficient RTK offline solution. Processes GPS, GLONASS, GALILEO and BEIDOU signals from different types of receiver brands. Compatible with industry standard data collection software.

OnPOZ GNSS Driver for ArcPad
Receiver-independent extension that adds the power of post-processing to ArcPad.

GNSS Control Panel
Allows you to record raw GNSS data from different receiver brands.

OEM solutions
Integrating new software into your product range allows you to achieve product differentiation and gain a significant competitive edge in order to access new revenue streams.

Hardware
SubX
All-in-one ultra-rugged multi-port L1-GPS/SBAS receiver.

XF101
High-end L1-GPS receiver that allows for post-processed centimetre accuracy.

Archer² – GEO Mapping Solution
The best solution on the market in terms of signal tracking under dense canopy, reliability and results accuracy. Combines EZTag CE GIS/GNSS data collection software & EZSurv post-processing software.

Products well-adapted to your industry
- Public administration
- Agriculture
- Environment
- Forestry
- Consulting engineering
- Mining, oil and gas
- Utilities
- Telecommunications
CPAT FLEX is a modular mobile monitoring system that uses GPS-based technologies to help broadband operators preserve the quality of their network while improving the efficiency of their fleet operation and system plant maintenance.
CPAT FLEX: a modular and cost-effective monitoring solution

CPAT FLEX is a modular HFC network monitoring system. Installed in your service vehicles, CPAT FLEX modules automatically detect leakage or ingress events. You receive the information in real time, through a powerful web-based GIS application that is integrated with your operational processes.

Designed as a family of independent modules, CPAT FLEX allows you to build your own custom monitoring configuration depending on your needs.

- Leakage monitoring;
- Ingress monitoring;
- Automated vehicle location;
- Mobile wireless communication hub.

This open, modular and scalable platform will satisfy any operator monitoring requirements.

Modular
Customize your CPAT FLEX system according to your specific monitoring requirements and pay only for what you need.

Hands-off operation
CPAT onboard devices require absolutely no intervention from field technicians while they perform their daily work routine.

Efficient and fast
A CPAT monitoring system can achieve complete plant coverage in just under a quarter. This is the equivalent of four significant plant patrols a year.

The ultimate ingress monitoring solution
No need to shop around: CPAT FLEX is the only GPS-based ingress monitoring solution presently available on the market.

Future-proof
CPAT FLEX is an innovative solution for present and future networks. Our R&D department is already working on responding to your future needs for tomorrow’s networks.

Products well adapted to your industry

= Telecommunications