



DATA DRIVEN SOLUTIONS

For a Sustainable Future

SUPPORTING A GREENER PLANET

with integrated intelligence

Around the world, countries are taking bold steps toward ecological transition. With urgent action required to meet climate goals, investments in clean energy, sustainable urban growth, and nature restoration are accelerating. Yet, significant challenges remain.

Agriculture at risk

Rising temperatures and water scarcity are threatening food security in vulnerable regions, where farming often depends on limited or variable water supplies. Innovative, resource-efficient solutions are needed to sustain the agri-food sector.

Biodiversity under threat

Climate change and growing pressure on natural resources are endangering ecosystems and accelerating biodiversity loss in fragile regions across the globe.

Water under pressure

In many parts of the world, water scarcity is intensifying. Sustainable water management is vital for human well-being, ecosystem health, and biodiversity.

Coastlines in peril

Coastal ecosystems and marine biodiversity are at risk from sea-level rise, erosion, pollution, and unsustainable development. Safeguarding these areas is crucial to maintaining ecological balance and supporting blue economies.

Rapid urban growth

Fast-growing cities require smart, sustainable planning to align development with environmental protection. Data-driven approaches are essential to building resilient, livable urban spaces for both people and nature.

Pollution on the rise

Industrial emissions, air pollution, and waste pose growing environmental concerns in urban and industrial areas. Effective monitoring and infrastructure planning are key to protecting public health and environmental quality.

A smarter way to protect the planet

CLS' expertise in AI, satellite technology, and Earth observation offers powerful solutions to monitor, analyze, and address these urgent environmental challenges.

We provide the tools to implement dedicated Environmental Monitoring Centers that provide real-time insights and decision-making support to track endangered species, optimize sustainable farming and water management, and protect coastal ecosystems from pollution and erosion. As well as actionable data for smart urban planning and air quality management, helping build more resilient and sustainable cities.



One integrated solution Many Applications

Our Earth observation and AI-powered platform is designed to help address the world's most urgent environmental challenges by turning data into intelligence and enabling smarter decisions across sectors.

From coastal ecosystems to desert agriculture, and from clean energy to sustainable cities—our space-enabled platform empowers actors and stakeholders to anticipate climate risks, optimize resource use, and build a resilient future.

PRESERVE NATURAL HERITAGE: MONITORING HERDS

In fragile landscapes, managing biodiversity and herds requires innovation.

Our smart ecosystem monitoring tools:

- Track herd and wildlife in real time using satellite data
- Detect habitat degradation and environmental stress
- Support long-term conservation strategies

This ensures proactive, integrated management of our living heritage.

SUSTAINABLE AGRICULTURE

Water efficiency and productivity are critical for global food security.

Our services support farmers and land managers with:

- Precision irrigation using AI and satellite data
- Real-time monitoring of crop health and yields
- Weather-integrated planning for agricultural operations

The result: higher productivity, less waste, and stronger food security.



COASTAL RESILIENCE

Rising seas and extreme weather threaten coastal communities.

Our solution helps:

- Monitor shoreline dynamics and identify flood-risk zones
- Protect critical ecosystems such as mangroves and reefs
- Support climate-resilient urban planning and coastal development

This safeguards both natural assets and critical infrastructure.

WATER RESOURCE MANAGEMENT

Sustainable water management is vital for both human well-being and ecosystem health.

Our services provide:

- Continuous monitoring of water resources
- Smart planning tools for efficient allocation and use
- Integrated solutions to adapt to scarcity and variability

The result: higher productivity, less waste, and stronger food security.

SMART URBAN GROWTH

Growing cities need sustainable solutions.

Our space-based services enable:

- Smart land-use planning and sprawl monitoring
- Identification of areas for preservation versus development

This ensures more resilient, sustainable urban planning that balances development with environmental protection.

CLEAN AIR MONITORING

Growing cities need sustainable solutions.

Our services provide:

- Real-time air quality monitoring
- Emission tracking for cities and industrial areas

Giving you actionable insights to support healthier, greener cities.

FROM DATA TO ACTION: driving environmental intelligence

CLS has supported **decision-makers** around the world by developing next-generation **digital platforms** designed to address today's most critical environmental **and resource challenges**.

Our integrated systems empower governments, agencies, and industries to monitor, manage, and protect **ecosystems, coastlines, and critical natural resources**, wherever the need arises.

By aggregating and analyzing billions of **data points** in real time: from satellites, ground-based sensors, advanced modeling, and AI, our platforms serve as powerful strategic hubs. From forests to farmlands, rivers to reefs, they **deliver precise, actionable insights** that drive smarter decisions for a more **sustainable planet**.



- Dynamic and user-friendly dashboards deliver clear, real-time overviews of critical and routine operations

- Interactive mapping and predictive modeling provide a 360° understanding of territories, coastlines, and ecosystems

- AI and Machine Learning integration generate intelligent recommendations and automate key strategic actions

- Advanced trend analysis: monitor long-term developments like climate change, desertification, or resource stress

- Real-time alert systems detect and respond instantly to environmental risks, disasters, or illegal activities

These platforms are built to support ministries, agencies, and private sector actors seeking to lead in environmental stewardship, national resilience, and smart development.



Our Experts at your service

Behind every CLS solution is a team of passionate experts dedicated to environmental protection and sustainable development.

With multidisciplinary skills and real-world field experience, our people are the driving force of our success.



Diverse expertise: Signal processing specialists, data scientists, AI/ML engineers, oceanographers, ichthyologists, acoustic analysts, wind specialists, geomatic engineers, and urban planners collaborate to design tailored solutions.



Close to the field: Our teams understand that data only gains meaning when connected to reality. That's why our experts work hand-in-hand with customers, listening, adapting, and co-building solutions that respond to actual needs.



Data science at scale: our experts apply machine, deep, and reinforcement learning to unlock hidden insights, automate enrichment, and free specialists to focus on the most complex challenges.

At CLS, our strength lies not only in our technologies but in the expertise, creativity, and commitment of our teams, available to support you at every stage, from data to decision.

CLS

CLS, a subsidiary of the French space agency CNES (34%) and CNP (66%), is a global company and pioneering provider of Earth monitoring and surveillance solutions since 1986.

Its vision is to create innovative space-based solutions to understand and protect our planet and to manage its resources sustainably.

31

Sites worldwide

+40 years

of experience in Earth data

1100

employees

HARNESS TECHNOLOGY, EMPOWER HUMANITY, SECURE THE FUTURE.

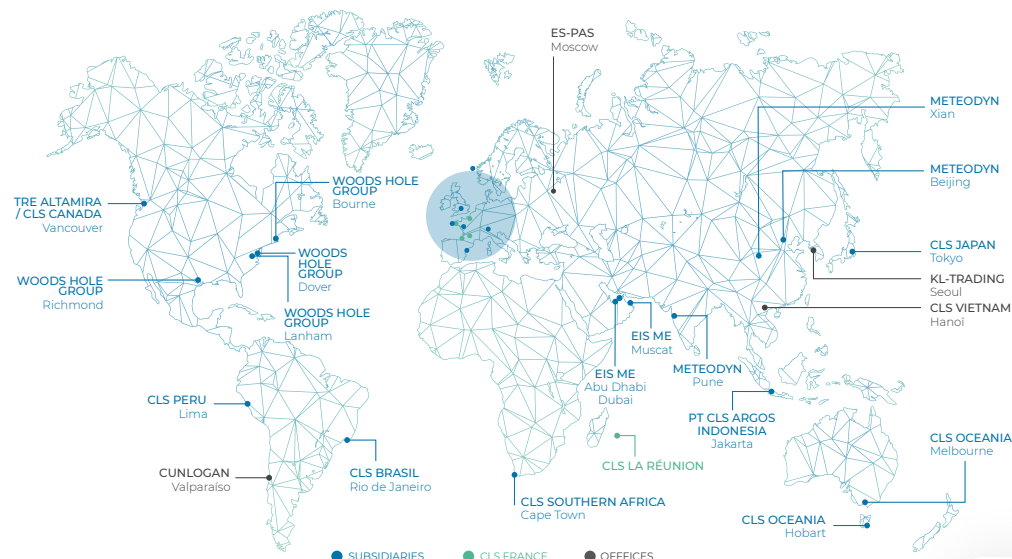
With over 40 years of expertise in Earth observation and satellite-based solutions, CLS partners with organizations worldwide to drive innovation, enhance environmental stewardship, and enable data-driven decision-making.

Our collaborative approach ensures tailored solutions that meet your unique challenges.



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