

**CORALIS**

**THE SOLUTION FOR YOUR OPERATION**





## ABOUT US

In 1988, a pioneering group of five engineers, determined to bring about a lasting transformation in IT for the extractive industries, created CORALIS.

Today, our vision of the business, illustrated by the slogan "on the road to mining 4.0", represents the development challenges for companies in the sector, which require:

- >INNOVATION
- >QUALITY
- >AVAILABILITY



## THE SOLUTION FOR YOUR OPERATION

With our extensive experience, we are well aware of the challenges facing professionals in the extractive industries. We offer a comprehensive range of tools designed to support you throughout your operating cycle.

Our day-to-day business is to provide you with innovative solutions that enable you to store and model all the data your activities generate. So you can make the best decisions with the most up-to-date data.

Our aim is to contribute to your objective of rationalizing and sustaining your operations, by generating significant productivity gains. These solutions are made available to you in the form of software or services

Our teams are made up of professionals from different backgrounds and levels of experience. Mining engineers, geologists, geophysicists and developers are at work all year round to offer you the best products and services. Dedicated and responsive, we do our utmost to satisfy you.

Our expertise and our resolutely CSR-oriented approach make CORALIS a partner of choice.



## CORALIS Land management

### A unique, adapted solution

CORALIS Foncier combines a historical database, GIS-type mapping functions and particularly fast 3D calculation capabilities. It's a comprehensive tool that's particularly well-suited to managing land ownership for companies operating over a large geographical area.

### A close relationship with the cadastral map

The import function enables you to obtain an up-to-date cadastral map in just a few clicks. You can quickly locate the parcel or group of parcels that is the subject of a transaction or calculation.

### Transaction management

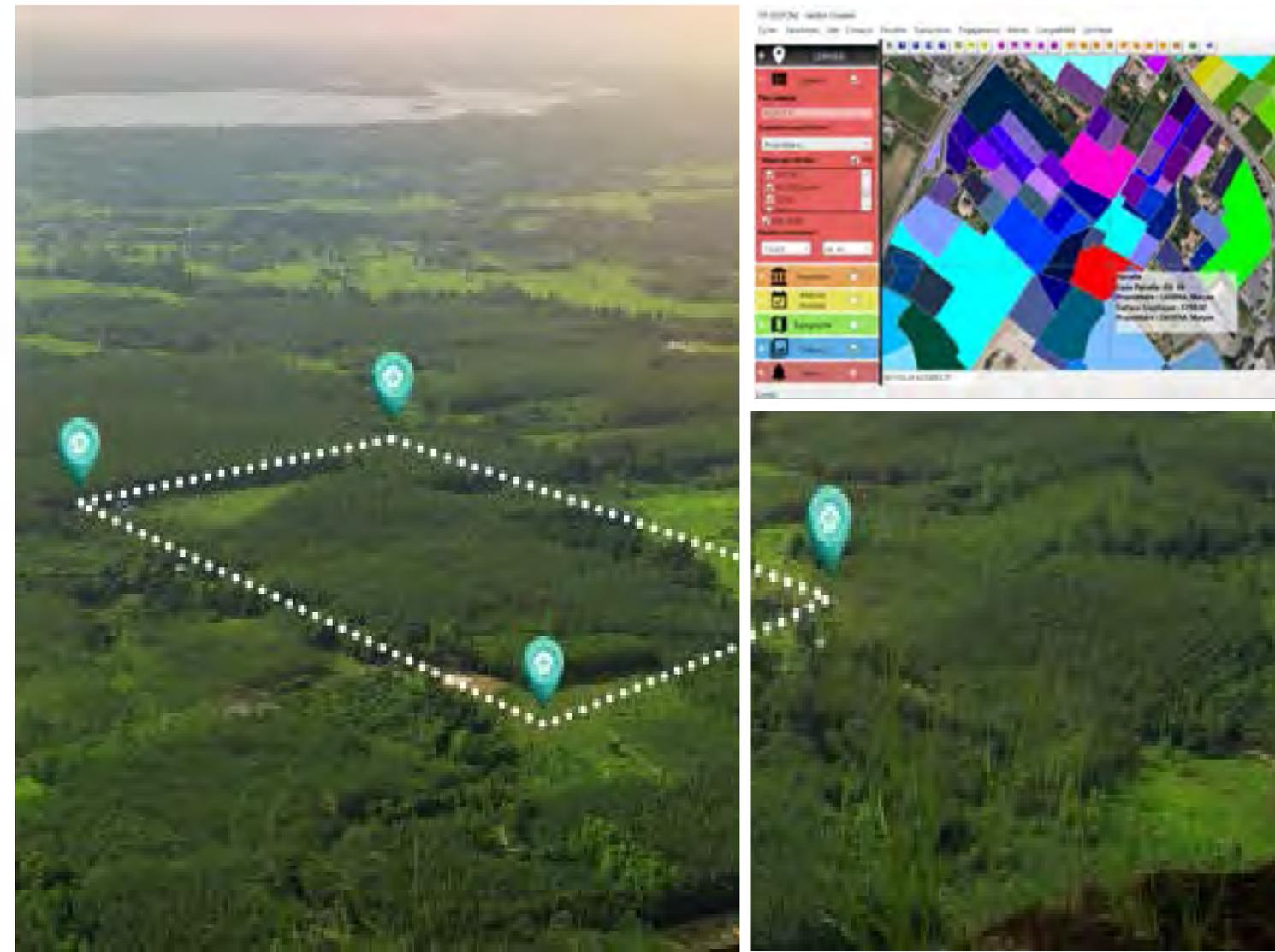
The software enables you to enter all transactions concerning your land management: purchase/sale, leases (building, hunting), farming, drilling contracts, administrative authorizations. Each transaction is provided with a schedule for managing royalties to be paid or rents to be collected.

### Database of documents, summaries and land parcel alerts

CORALIS Land includes a document database function that allows you to associate digital documents with all levels of your files: parcel, contact or transaction. The alerts system alerts the user to forthcoming land-related events.

# Our software

CORALIS offers a wide range of software solutions to meet your needs throughout the entire operating cycle. Our focus is on simplicity of daily use. This simplicity, combined with the speed with which our software delivers results, will make your business more agile. Decision support will enable you to plan your site development more efficiently, and optimize your operating costs.



## CORALIS Design

### Rapid Topography Modeling

Easily import data from common sources such as drones, LiDAR, and DXF files. Whether it's a mine, a massive rock quarry, an alluvial deposit, or a residue storage site, Design ensures significant time savings and secures the development of your operation.

### 3D Measurement and Analysis

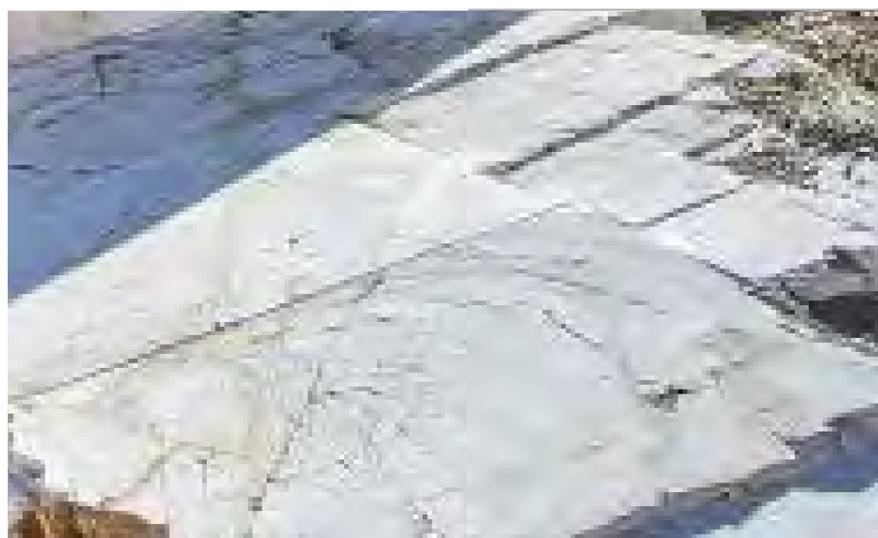
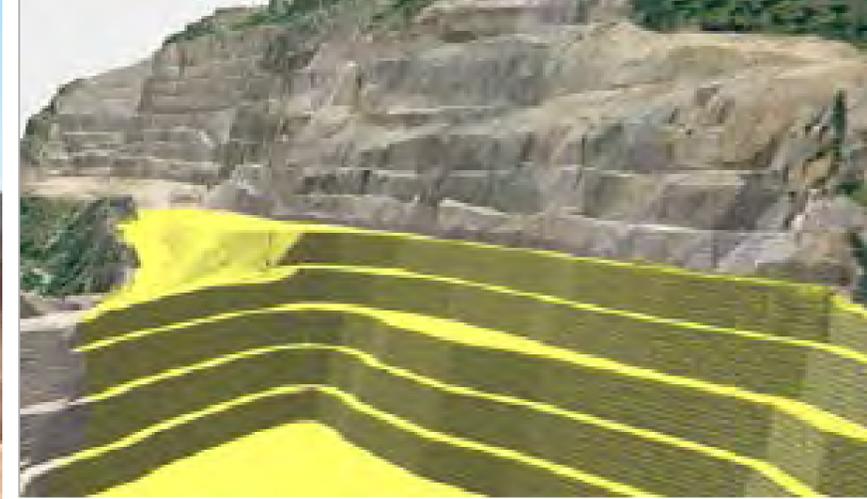
In-depth analysis of your sites in terms of planimetry, cross-sections, and 3D views. Effortless and immediate volume calculations.

### Effortless Operational Design

Simplify operational planning with functions for creating extraction and backfill zones. The track design interface allows for precise and straightforward design. Results are instantly visualized in 3D.

### Cost Optimization

With CORALIS Design, you'll have a tool that informs your decision-making process. Quickly simulate site development to optimize operational costs.



## CORALIS Geology

### A Comprehensive Panel of Functions

From managing drilling data to calculating block models and modeling deposit structures, CORALIS Geology is a complete and user-friendly tool.

### 3D Geological Modeling

Geologists interpret the geological model based on drilling data and surface observations (contact points, dips, outcrops). Simple and rapid updates ensure a constantly updated model based on the latest discoveries.

### Mining Estimation

CORALIS geology integrates all the functions necessary for creating a block model following international resource reporting standards.

### Optimizing Deposit Recovery

With CORALIS Geology, you gain an edge in exploiting your deposit—knowledge ahead of time. Whether it's a massive rock quarry, an alluvial deposit, or industrial minerals, this tool allows you to quickly model the subsurface and optimize your operation's development.

# CORALIS Production

## Towards Mining 4.0

CORALIS Production combines a database, GIS-like mapping functions, and geolocation capabilities applied to extraction equipment. The software comes in two versions. The basic module is dedicated to operations monitoring, while the full version, operational management, allows for short-term production scheduling.

## Field Operations Recording

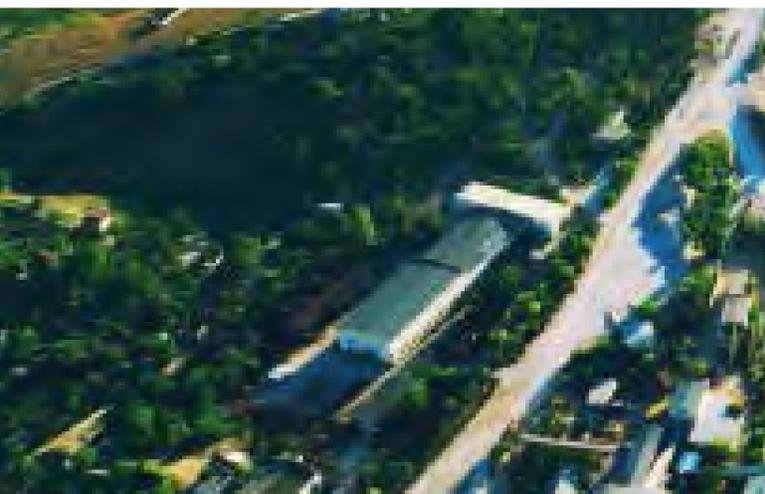
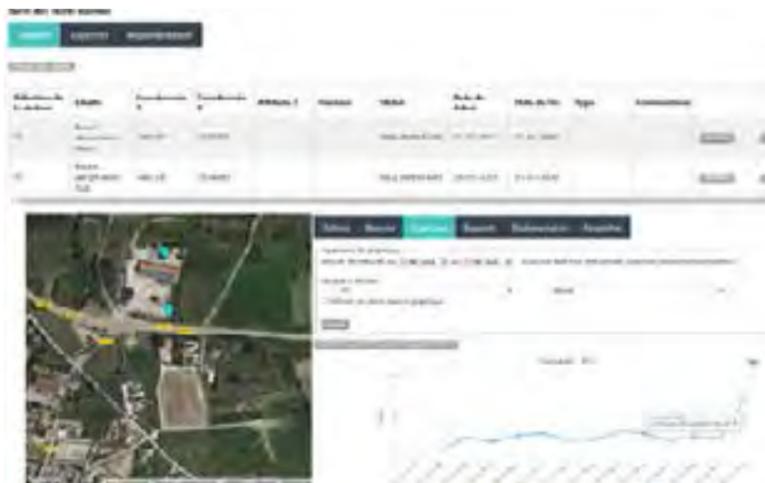
Les avancements sont enregistrés dans un système cartographique 3D. Advancements are recorded in a 3D cartographic system. Each mining area (alveole) is equipped with configurable attributes to characterize deposit qualities or backfill contributions, as well as explosive consumption. The production reporting process is straightforward and efficient.

## Localisation of equipment

The software allows real-time management of the position of the extraction equipment. Thanks to this function, operators ensure compliance with the instructions. The "operating exploitation" version uses the position of equipment to verify extraction zones.

## Planning and calculation of mixtures

Le système calcule les mélanges avec les attributs des avances pour une qualité définie et une période choisie. With CORALIS Production, you optimize the recovery of your deposit gisement.



# CORALIS Environment

## The QSE tool

Coralis Environment ensures the management of environmental indicators. It also records weather information and complaints or requests made by residents. It's a complete tool that will facilitate your activity.

## Monitoring of environmental indicators

The software allows centralizing measures concerning air quality, water quality, noise pollution, and vibrations related to mine shots. The fully configurable system also allows document archiving.

## Alerts and Environmental Assessment

Thanks to the alert system, you plan your actions with complete peace of mind. The editing functions allow the production of environmental reports easily. With CORALIS Environment, you are never caught off guard during an unexpected request!

## A real communication tool

More than just a data management system, the simple and easy-to-interpret interface transforms the application into a real communication tool during your meetings.

# ATLAS

## Keep an eye on your operation !

### All your data centralized

Atlas integrates information from topography and phasing plans, land, geology, environmental indicators, and production. Thus, you have a global view of your operation.

### Powerful and easy-to-use calculation functions

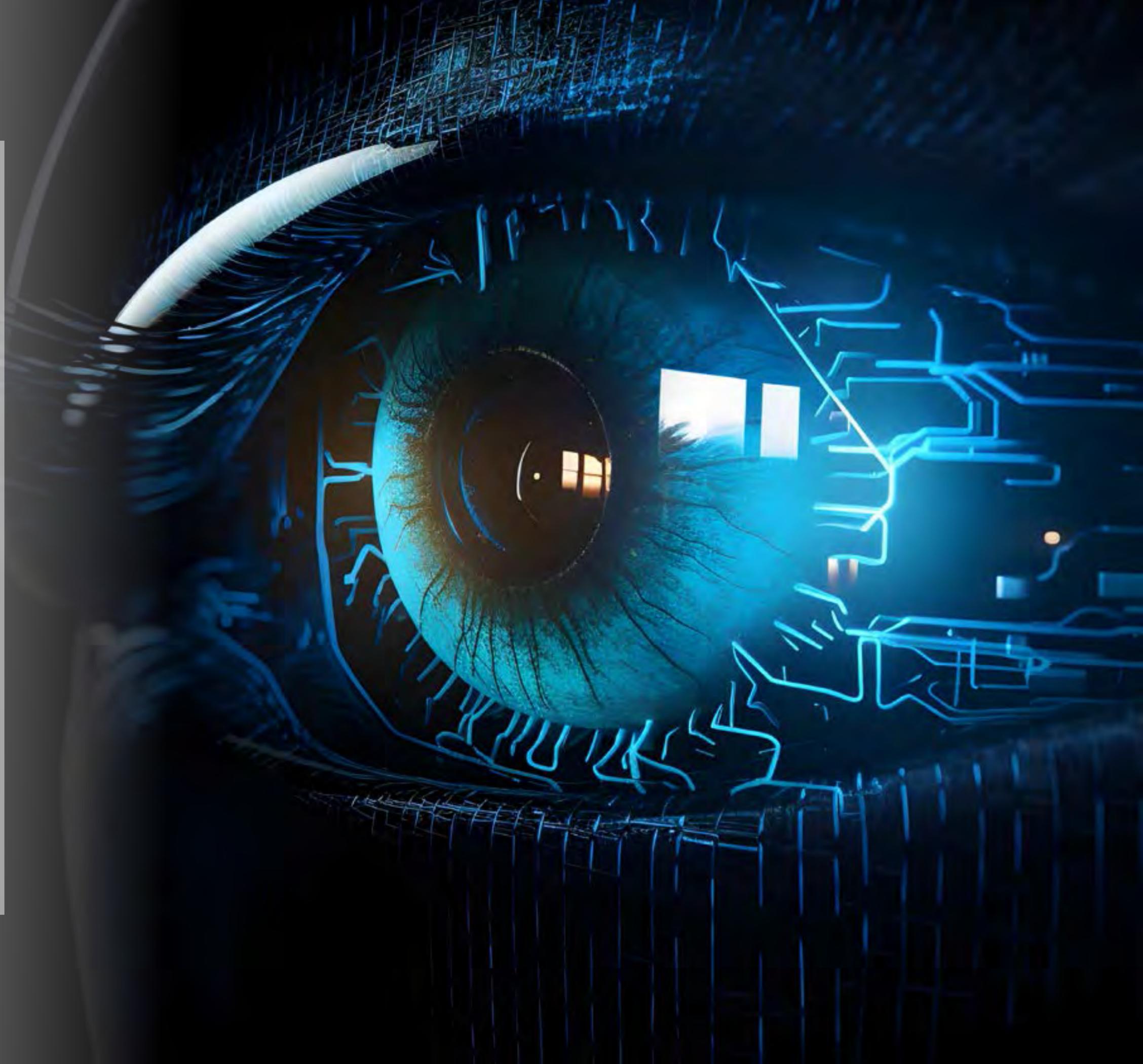
Beyond consultation tools, Atlas integrates powerful and easy analysis and calculation functions : sections, long profiles, 3D view, volume calculations. With Atlas, stock calculations are simple and rigorous !

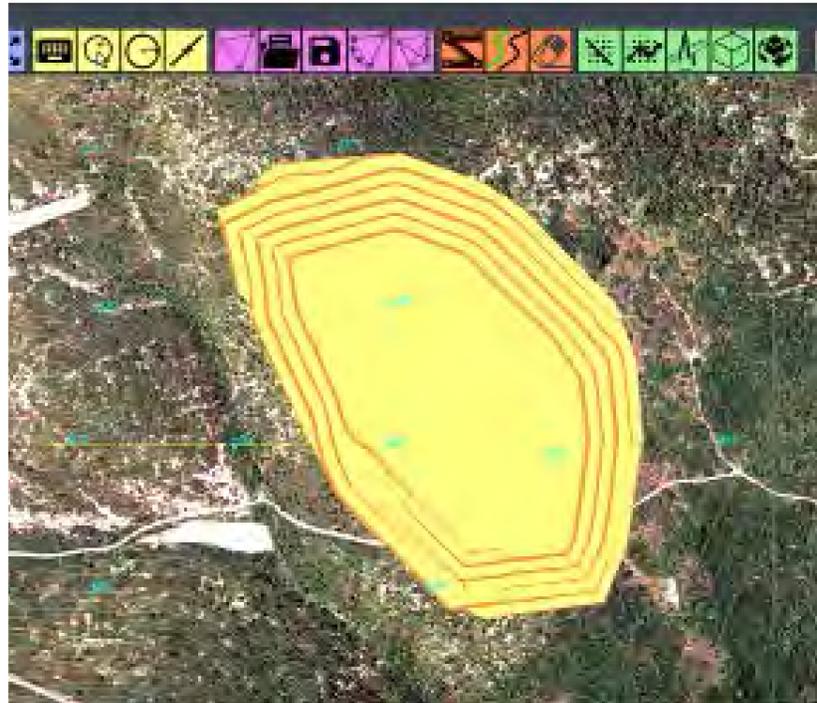
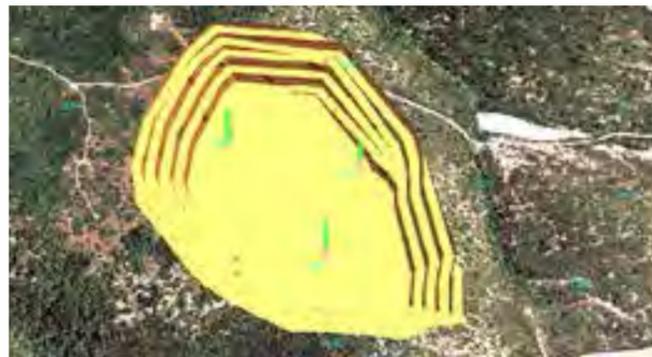
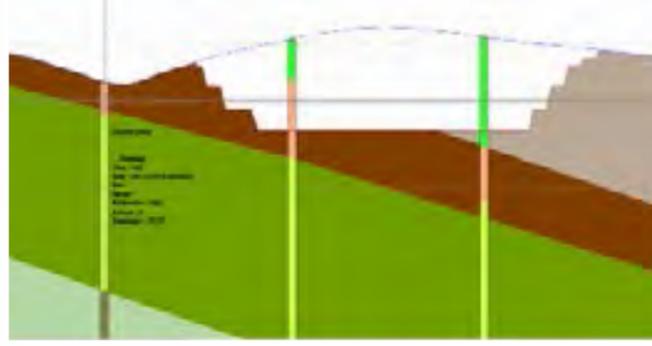
### A discerning eye on production sL

Production data also goes directly back to Atlas. The position of the equipment is visualized in real time. You also have access to data from shots or production advancements.

### On the way to 4.0 operation

With Atlas, you are not only aware of the latest technical information but you also break your digital isolation. Atlas allows you to print your own documents and communicate with your central services thanks to annotation functions. Atlas is the ideal tool to engage the digital transformation of operations!





# Our Services

## The DNA of CORALIS

Since 1988, Service' is the very essence of CORALIS. At CORALIS, each of us does everything possible to bring you the best solution. A solution that can take the form of standard software, custom computer developments, training or design office services

It's you Who choose the best « mix » according to your needs.

## Our Design office

Historically created from a mining design office, this technical know-how has been perpetuated to capture your data and carry out your projects. You do not wish to equip yourself or are you facing an overload of work? Do not hesitate, our team composed of geologists, geophysicists, mining engineers will put their skills at your service to estimate a deposit, design your operation and calculate the phasing plans

## Our added value ?

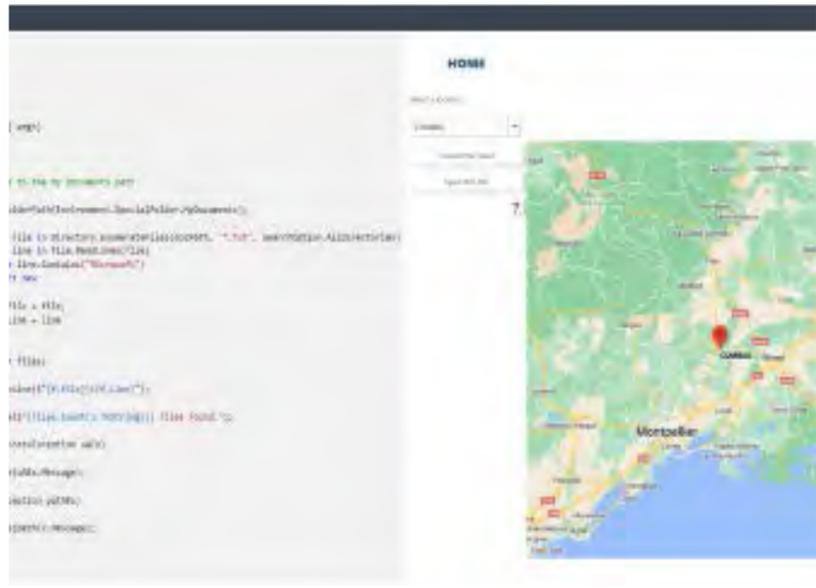
It is the many successful projects that allow us to offer you original solutions that will save you valuable time.

## Tailored Training

Tailored Training Business experience and IT skills make CORALIS your preferred contact for organizing the training of your teams. Even if the ease of use of our applications is proven, the experience of our trainers will be a significant accelerator for the success of your project.

## We develop your software !

CORALIS internally masters 100% of the software we offer you. Thanks to these years of investment, we are best placed to develop specific additions to our standard applications. You then have a tailor-made tool that integrates perfectly into your business process. This know-how is also at your service for the development on specifications of any application that requires expertise in numerical calculation or data management.





« We have been working with CORALIS for over 10 years. Responsive and sensitive to our operational issues, the CORALIS team does precise work that allows us to advance our quarry operations in the right direction. The advice from CORALIS remains unmatched, and the detail of the earthwork simulations far exceeds what we could do alone or with other service providers. »

**Thomas LESCALIER**  
 Land manager CMNE at Colas Group

# THEY TRUST US

« CORALIS provides us with the software suite that allows us to optimize our production for cement manufacturing. CORALIS is truly a global leader in this field. The great strength of CORALIS is to be able to develop a custom solution for the operation of mines and quarries. For me, it is one of the only companies that is capable of doing this at the moment. Their staff is always available, with close-knit teams from which we can quickly obtain technical support. This is something that is worth its weight in gold. »

**McInnis**  
**François LEMOAL**  
 Director adjoint Quarry - Votorantim Cimentos





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