

# ELISEO

## The Assistance Solution for Geo-information and Telecommunications

Are you involved in field operations?  
Do you want a location, navigation and communications system that is reliable, robust and simple to use?  
A system is available that allows you to geolocate teams, follow them in real time and communicate with them.

### This solution is ELISEO!

ELISEO is light, autonomous, all-weather, all-terrain and useable anywhere in the world, making it possible to exchange data with a coordination post, command post or organisation headquarters.

ELISEO combines geomatics, geographic information systems (GIS), and navigation techniques with satellite telecommunications, providing a versatile exchange platform and overriding the coverage problems of traditional communications networks.

### Sectors concerned:

- Mining and oil prospecting
- Public safety
- Defence
- Journalism
- Environmental protection
- Crisis management and humanitarian intervention
- Forestry/logging industry, etc.

### How it works

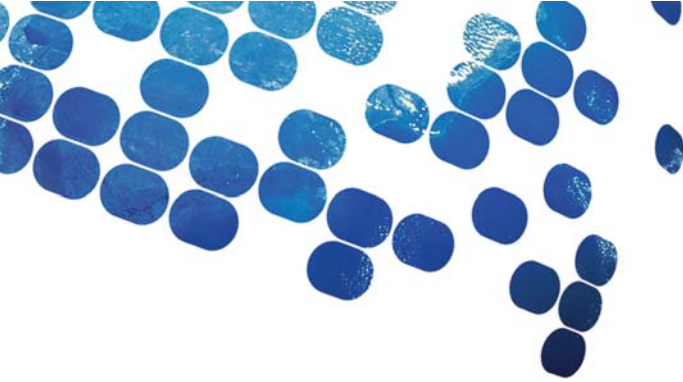
The ELISEO solution is based on a combination of integrated products that are ready for immediate use. It includes a specific service that supplies users with the equipment, cartographic data and satellite connections.

Its function and operational use are intentionally simple in order to guarantee the equipment's robustness, reliability and ease-of-use, whatever the nature or level of competence of the users.

Thanks to the combined use of a GIS, multi-layered geographical information of the zone (i.e. maps and satellite images), and versatile tele-communication, users can benefit from in-the-field assistance that integrates cartography, positioning and communication. They are in permanent connection with coordination posts, commanding centres, office colleagues, organisation headquarters, and each other – wherever the intervention takes place!

Several versions of ELISEO are available (with or without PC, ruggedised or not, waterproof or not, etc.), meaning it can meet a whole variety of needs.





## System components

The typical set-up consists of a fixed workstation (i.e. a PC with specific software linked to the Internet) installed at the headquarters, the command or coordination centre, and linked up to several field kits.

### Each field kit comprises:

- a hardened PC configured with the appropriate software and geographical data (maps and satellite images of the zone);
- a GPS receiver and low-rate satcom link allowing communication on the move;
- a high-rate satcom terminal;
- a set of extra batteries and appropriate chargers.

Each kit weighs less than 10kg and is provided in a rucksack or a carrycase.

Individuals and teams operating in the field share geographical data and information with their head office or coordination centre. The geographical data may be of any type (topographical maps, satellite images, geological maps, etc.).

## Functions

The permanent connection between the field teams and their coordination posts is possible because of five simple intuitive functions:

- permanent auto-location and automatic transmission of the teams' geographical position;
- visualization of positions from the command or coordination centre (or headquarters);
- exchange of text messages. This sending and reception function takes place in real time. It can take place while in a moving vehicle, in a helicopter or even when walking;
- exchange of explicit geographical objects to communicate a geolocated piece of information. This function follows the same principle as for text exchanges. The collection of these objects is completely open and depends on users' initiative;
- exchange of pictures, pre-formatted reports linking texts, photos and drawings, documents, etc. To do this, the high-rate satellite terminal must be set up at stands till (a five-minute operation).

## Associated services

In addition to the equipment, available services include:

- supply of mission-specific geographical data or integration of users' data;
- management of data servers to ensure a 24-hour service;
- allocation of subscriptions and satellite connection times;
- operational maintenance of the system.

This solution is so simple that no training is necessary. There is a presentation upon delivery, which is sufficient for operational use.



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