GEÓNICA S.A.
CIENCIAS DE LA TIERRA

Platform Internet WEBTRANS *Ubiquitas*
(WEB Posting Tool)

- **Data collected by Remote Stations accessible from Internet**
- **Restricted Webpage access by the use of credentials**
- **Accessible from a wide variety of devices: PCs, Smartphones, tablets, etc.**
- **Customizable Website visual interface**

- **Easy installation and customization**
- **Graphical display of historic data**
- **Latest received data in the side panel values and compass rose**
- **Data downloading**
- **Display of images taken by the DIGICAM-3K camera**

WEBTRANS *Ubiquitas* is a WEB application designed by GEONICA to manage, query and monitor data collected by the remote automatic stations (Meteodata-2000 and Meteodata-3000).

WEBTRANS *Ubiquitas* is an application accessible from any Internet-enabled device: PC, Notebook, 3G mobile phone, etc.

WEBTRANS *Ubiquitas* modern and intuitive interface offers users multiple application choices, from data presentation in graphics to the display of station images. Homepage, language and logos are completely configurable to adapt themselves to end user requirements and needs.

The **WEBTRANS** *Ubiquitas* platform is a complement of the Teletrans application, that it is the program designed to communicate with the GEONICA's remote stations model 2000C/3000C, collect all the information and save it in an SQL database.
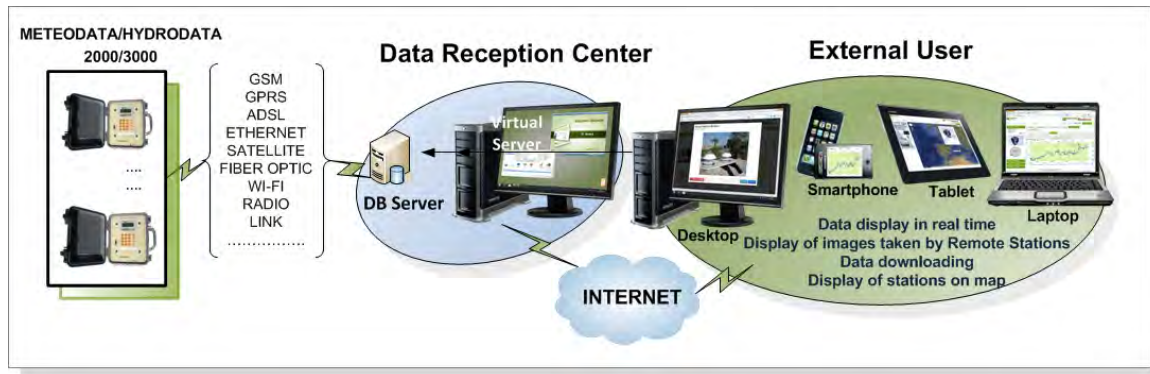
WEBTRANS *Ubiquitas* allows querying data from the different networks available in GEONICA:

- **Hydro-Met System** (hydrographic and meteorological system)
- **RainAlert System** (floods or heavy rain warning system)
- **Aqualert System** (water quality monitoring system)
- **Datamar 2000/3000** (radar tide gauge system)
- **GammAlert System** (water level system with radar technology)
- **Noise Mapper System** (environmental noise monitoring)
- **Golf Weather System** (environmental monitoring for golf courses)
- **Gas Alert System** (toxic and combustible gases detection and warning)
- **Sun Power System** (evaluation of solar energy plants)
- **Wind Power System** evaluation of wind power plants)
- **Safe Road System** (environmental information for safety on the roads)
- **DataCar System** (counting and classification of vehicles).

GENERAL SYSTEM DESCRIPTION

The remote stations collect and store the data that then is transmitted via a communications system (GSM, GPRS, Ethernet, Radio, etc.) to the database, where they are stored. Frequently, the database is located on a server, in a center called 'Data Reception Center (DRC)'.

The **WEBTRANS** *Ubiquitas* application accesses this database to display the measured data to the users as **numeric data or as time series in graphs**. It also allows the **data to be downloaded** in several formats (CSV, XML, zip) and **display the images** captured by the cameras installed on the remote station.

Installation, Setup and Customization

In a few simple steps, **WEBTRANS** *Ubiquitas* server will be installed and running on the client computer. During the installation process, the program will ask for a 'Domain Name' or Webpage URL. The client devices will access this Website URL in Internet or in their Local Network to view the station data. E.g. www.mymeteorologicaldata.com.

The credentials of a user with advanced privileges are attached to each delivery of **WEBTRANS** *Ubiquitas* . This user account will let you to setup the system advanced options: server/s where the database is located, remote stations whose data and images will appear in the webpage, etc.

WEBTRANS *Ubiquitas* makes possible the visual interface customization to adapt to any organization or company specific needs. Logos, images and animations included by default in the webpage can be replaced by other files designed by the end organization, showing a corporate appearance.
The Webpage can change the language with an only one click. Available languages: English and Spanish.

Once this process has been completed, GEONICA recommends using the available 'Backup' option that allows saving all the information related with the current configuration in a file.
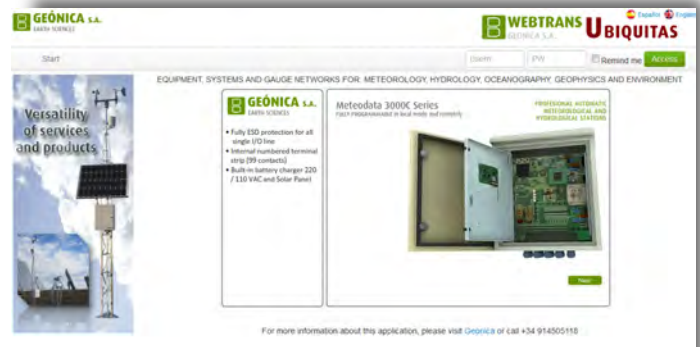
User Access

The access to **WEBTRANS** *Ubiquitas* is restricted by a credentials system. Different types of accounts with different privileges are available:
• <u>Consult accounts</u>. To view and download data and images.
• <u>Advanced accounts</u>. They can view/download data/images and also modify the current setup.
• <u>Guest account</u>. No password is required. Only a limited number of data about certain stations is available for this user.

Data & Images from Remote Stations. View & Download

The WEB platform shows an intuitive and pleasant design that makes simpler the access to a lot of information:
• Historic data collected by remote stations in graphs
• Information about remote station: name, id, coordinates, etc.
• Images taken by the cameras installed in remote stations.
• Latest received data and its reception time.
• Etc.

*To know more about the technical requirements of Server that will host **WEBTRANS** *Ubiquitas* consult **Geónica**.