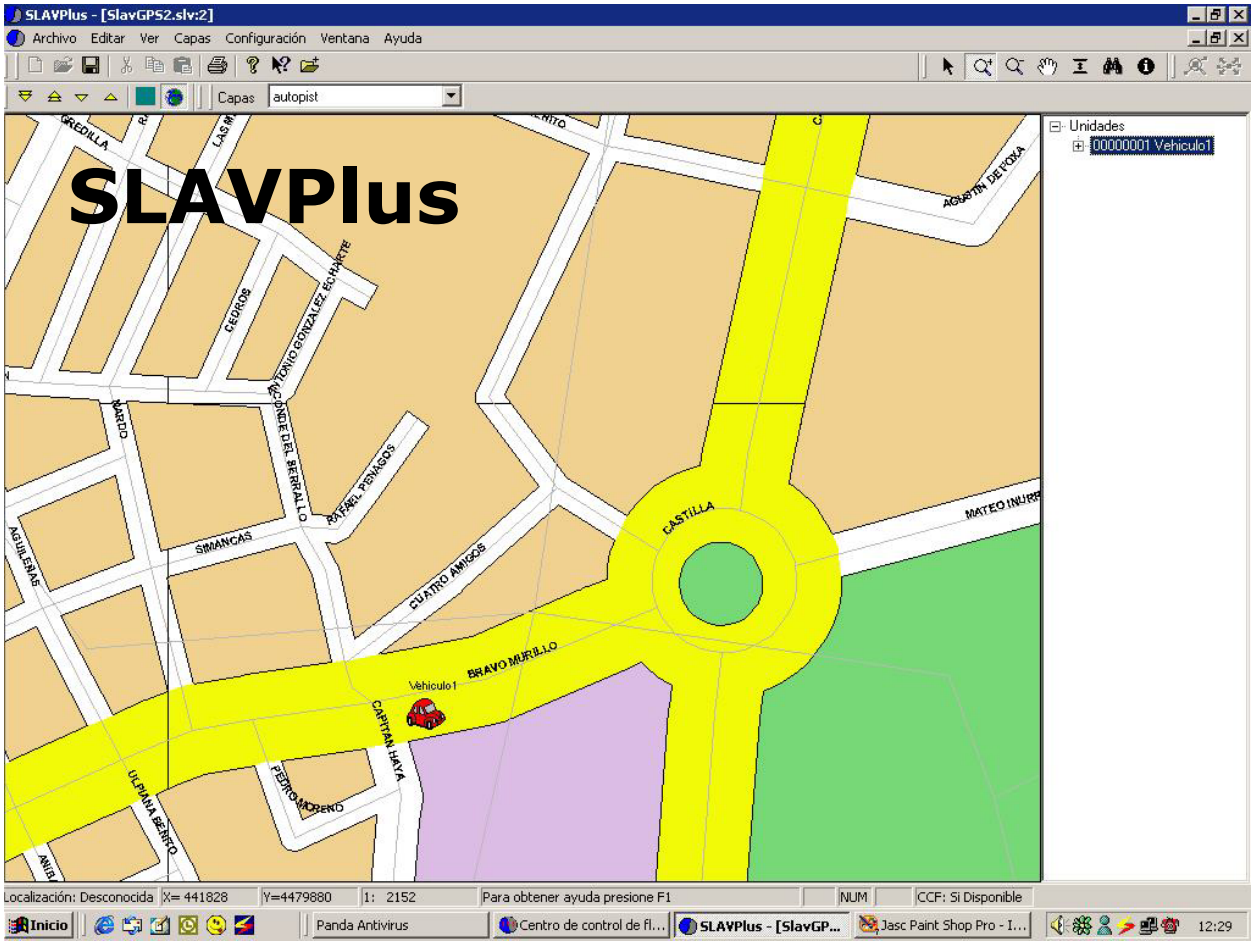
CARTOGRAPHIC VIEWER



SLAVPlus, our Automatic Vehicle Tracking System, is a cartographic and fleet control management tool that allows the positions and routes of the vehicles with GPS Positioning Devices to be viewed on a computer screen.

The viewer is connected to an application of the Fleet Control Centre (CCF) via TCP/IP and collects the data for the groups of vehicles it manages. The system is capable of handling large fleets and sub-fleets of thousands of vehicles.

The real time data from all the mobile units is processed at the Control Centre in order to analyse and manage them, offering the possibility of recording them for later history processing. With this, you will be able to collect data on the position, time, speed and a record of alarms that have occurred in the unit due to non-compliance with preset parameters.

The management of this information provides important advantages in different areas, such as: A reduction in the times assigned to a service, improvements in response and decision times, control of allocated resources or the analysis of alternative routes.

The **SLAVPlus** program is designed to work under WINDOWS, while being connected to a database that resides in the CCF.
It is a multi-user application that allows for its installation in several computers that are connected in client mode to a single server. The connection for remote clients can also be made via a telephone modem and the Internet.

CARTOGRAPHIC VIEW

- Viewing of cartography in raster and SHP vector formats.
- Allows for the creation of new maps.
- Selection of layers to be viewed.
- Opening of existing maps.
- Changing the scale of the map.
- Selection of coordinates: UTM or LLA.
- Datum Selection.

CONFIGURATION

- CCF configuration.
- SLAVPlus configuration.
- Configuration of the vehicle fleet.
- Creation of databases for the management of the fleet.

WIEWING

- Real time positioning of the fleet vehicles on the digital cartography.
- Viewing data on mobile units, position, speed, route, status, driver,...
- Positioning of a vehicle that is visible or outside the area shown.
- Tracking of vehicles by permanently keeping them on the screen.
- Viewing the vehicle identification by choosing between: number plate, direction or other definable indication.
- Choosing the icon for the vehicle.
- Invisible Icons.
- Generating representative geo-referentiated icons on the map.

REASONS FOR TRANSMISSION

- On request.
- Auto-response Cycles.
- Mobile radius.
- On entering or exiting an area.
- Limit time.

ALARM REPORT

- Discreet Inputs.
- Arrival of an unauthorised frame.
- Remote de-activation of cyclical submission.
- Geographical (Routes Control).

DATA RECORDING AND DOWNLOADING

- Configurable recording.
- Total or partial downloading to a database, via SMS or traffic data format.
- Reproduction of the downloaded data.

MESSAGING

- Sending and receiving pre-recorded and free messages.

DATA UPLOADING

- Programming the vehicle parameters.
- Programming geographic alarm areas.
- Programming alarms due to time exceeded.
- Management Centres Allocation.
- Auto-response Cycles.
- Sleep / Wake up Cycle.
- Time Stop (off for stopped time).
- Numbers in the Telephone Directory.

REMOTE CONTROL

- Activation of discreet signals of actuators installed in the vehicle.

DISTANCE METERING

- Either by odometer or estimation.
- Total and Partial.

COMPUTER REQUIREMENTS

- Pentium III, minimum 64 MB RAM.
- Hard disk with 200 MB available, depending on the cartography.
- Windows NT, 2000 or higher.
- Printers: Any Microsoft Windows-supported printer.

REQUIREMENTS OF THE GPS POSITIONING DEVICE

It supports the following GPS Positioning Devices series:

- SN-GPS.
- THERMES.
- AMIGO.

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