

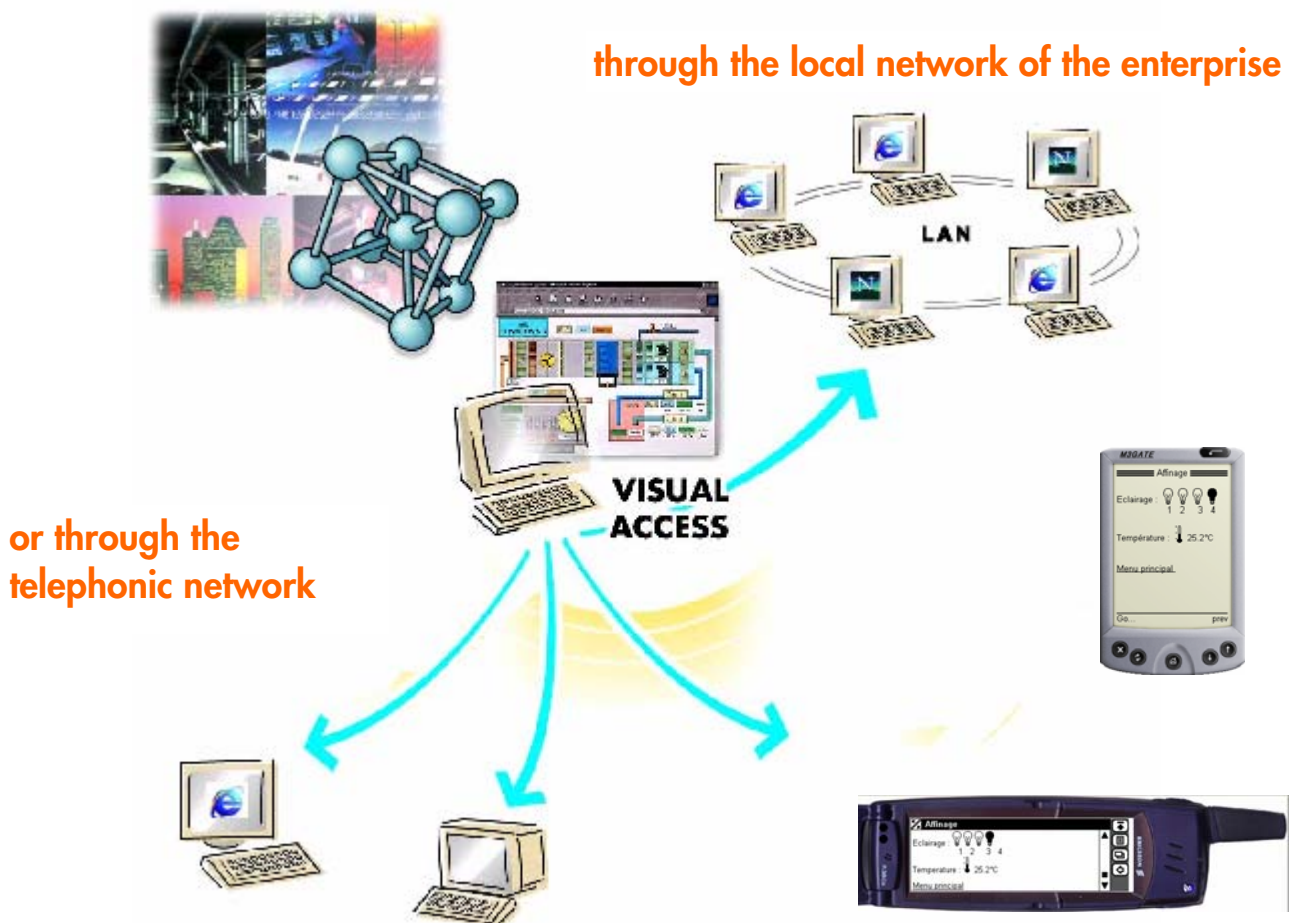
VISUAL ACCESS



version 4.1

Remote supervision ... by Internet browser ...

For remote supervision of an industrial process from an Internet Browser...



Built-in WEB/WAP server

Visual Access supplies a universal interface for the remote visualization and control of your applications from an Internet browser or a WAP mobile phone.

Its own **WEB server** is capable to manage as well local connections with client stations on the local network of the enterprise, that remote connections by using one or several modems.

The server station doesn't require any supplementary software nor other hardware that a network or modem connection. For the remote Web connections, the server station can be directly called, without passing by an Internet provider.

Its own integrated **WAP server** is capable to manage connections with WAP enabler GSM mobile phones. It allows to

benefit from a greater mobility without difficult installation nor expensive subscription.

Visual Access also integrates a terminal server. The type of calling terminal is identified automatically, and the displayed screens are selected accordingly. It is possible to call the server, alternatively (or simultaneously if the server is equipped with several modems), from a ANSI terminal (or a videotext terminal) or from an Internet station.

Visual Access protects the access to the supervised installation by identification of the operator and password request. The accessible screens and the authorized commands depend on the class of the on-line operator.



Supervision interface

Visual Access can be interfaced very easily with most supervisors of the market. It can also directly interface with a PLC network, through a communication server (Applicom-Spwin, carte Applicom, etc.).

Visual Access displays Web and WAP synoptics and animates them from data of the application. The access to these data can be performed by the built-in DDE or OPC drivers. It can also be took in charge by a specific mediator module capable in addition to import the supervisor's data base.



Data management

All the variables referenced in the synoptics are defined in an external database (VADB) that is in charge to establish the links with the real source of the variable, through adapted drivers.

This organization has the advantage to make the synoptics independent of the real localization of variables. It is possible to modify the hardware infrastructure or change supervisor without having to modify the synoptics

In order to reinforce this independence, synoptic variables are defined following an logical architecture of the data base. It is thus possible to use the same synoptic definition to display the



JAVA technology

Visual Access uses the JAVA technology to represent and animate the synoptics transmitted on the client station. This technology is independent of the client platform used. It is possible to connect to the server from any client station that is capable of running an Internet browser (Windows or OS/2 PC, Macintosh, Unix workstation,...).

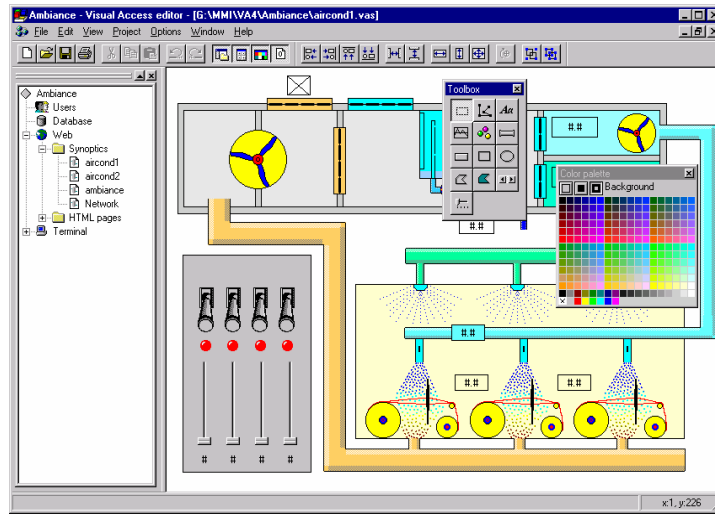
The JAVA technology allows in addition the exchanges between the server and the client station to be highly reduced. Synoptics are managed by a JAVA applet stored on the server and downloaded automatically to the first consultation of a HTML page including a synoptic. Thereafter, only are transmitted the definition parameters of synoptics, then the dynamic values that animate the synoptics. Between two connections, the HTML pages and the JAVA applets downloaded can be preserved in the cache of the browser.



Synoptic editor

Visual Access is provided with its own graphic synoptic editor, to create the Web and WAP views of your installation.

The Web views can incorporate display and edition fields, command fields, controls (buttons, sliders), vectorial graphical objects whose representation can be modified according to the state of data base variables (position, size, color, filling, rotation) and animated composite objects (bitmaps selected according to the state of variables of the data base).



state of different physical entities having an identical structure : office, machine, etc.

The data base is interfaced with the external world through standard drivers (DDE, OPC, ODBC,...) or specific modules (dedicated mediators).

The history necessary to the representation of curves can be either retrieved from the supervisor, or directly performed in the data base by periodic sampling.

They can also incorporate historical and real time curves.

The terminal WEB and WAP views (ANSI or videotext terminals) can incorporate display and edition fields linked with variables of the data base, screens to visualize text files, as well as historic curve.



Alert interface

Visual Access, used with **Alert**, provides a complete interface for the management of alarms and on-call groups from an Internet browser or a WAP mobile phone.

Predefined pages are proposed to the on-line operator to consult alarms, event log, his on-call schedule and his call numbers. According to his access rights, the operator can acknowledge and mask alarms, modify his call numbers, edit the on-call schedule or type a report.

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