

Overview

Magellan is an event-driven, object oriented real-time Supervisory Control and Data Acquisition package. It provides a simple, intuitive mechanism to effortlessly design either trivial or sophisticated supervisory or control programs using a drag-and-drop approach.

Magellan eliminates the need to sift through hundreds of meaningless device addresses or protocol descriptions by displaying a graphical representation of all of the data points available in your network of Controllers.

Using a drag-and-drop approach, data values can be displayed in a variety of ways leaving the designer more time to construct a useful and practical interface for the end-user.



Magellan is available as three separate products:

Magellan Builder - this combines the design package and the runtime package in one program, allowing the designer to immediately trial his design in real-time.

Magellan Explorer - a standalone runtime-only program for the end-user.

Magellan Bundle - this is a combination of both the Magellan Builder and Magellan Explorer packages.

Specifications

- Distributed on one CD with an electronic security key for software protection
- Is supported by Windows® Vista Business 32-bit & XP Professional 32-bit.
- Minimum PC specifications:
Intel® Pentium® IV/2GHz or compatible CPU. 256 megabytes (MB) of RAM. 100 megabytes (MB) of available hard disk space. Video adapter and monitor. CD-ROM or DVD drive. Keyboard and Microsoft® Mouse or compatible pointing device.
- Uses *Innotech® iComm Server* to access devices
- Shipped with libraries, graphics, examples and online help

Features

- Event driven processing strategy for fast, efficient operation
- True object oriented design features enabling the designer to re-use objects and designs for other projects
- Real-time operation: as soon as the value of a data point changes, the new value can be shown on the screen
- Range of simple and complex control and mathematical calculations and formulae, which can control such things as the position or visibility state of an object or objects.
- Intuitive design methodology means the designer won't have to undergo days of training in order to produce their first project
- Seamless integration with Innotech products: Magellan is aware of Innotech devices and can treat them in a more intelligent manner for the designer
- Drag and drop methodology used extensively including assignment of data points to graphical objects
- Range of built-in graphical objects
- Supports library of re-usable, user-defined objects that can be shared among Magellan users
- No need for compilation – project can be run immediately from within design program
- Multi-level access control to a limited number of users
- Audit trail with backup file
- Full native SQL database support, allowing values to be written and read, to a relational database
- Password control on user-designed library objects and projects
- Supports intuitive, nested command execution code
- Supports client interface to OPC servers allowing seamless interoperability with third-party devices

Applications

- Building Management Systems
- Shopping Centre Management
- Agriculture/Horticulture Monitoring
- Factory Process and Control
- Domestic Lighting & Control Applications

Graphics

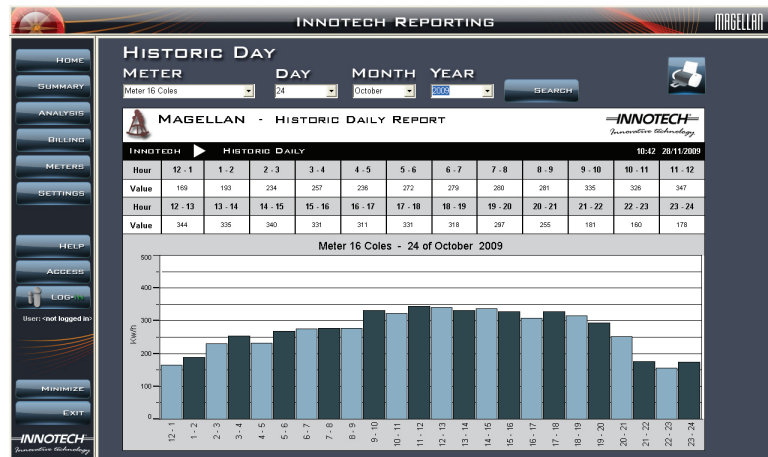
- Able to display custom bitmaps, photographs of plant and equipment, Windows metafiles and icons
- Supports multi-state animation of images
- Simulated variable speed rotation of images
- Can utilise full range of Windows colour depths and resolutions settings
- Simple or complex grouping of graphical objects

Alarms

- Simple and complex alarm strategies can be developed
- Alarms can be acknowledged

Mathematical Calculations

- Logical functions
- Complex expressions
- Range of mathematical functions available



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