

CitectHMI for OEMs

For OEMs, the choice of industrial automation software is based on a number of factors. Firstly, you need a name you can rely on. Secondly, the solution must be easy to use and include everything needed to meet your requirements. Finally, it must be cost-effective and flexible to configure, distribute and support. CitectHMI has been designed specifically to meet these needs.

Based on the award winning CitectSCADA software, CitectHMI offers the proven reliability that comes with providing solutions for many large, complex, industrial applications throughout the world.

The standard CitectHMI features provide OEMs with customized solutions – quickly and cost-effectively. Features include:

- Historical and real time trending, advanced alarming and reporting
- Customizable installation
- Online runtime language switching to support global customers
- OLE Automation for automated building of graphics pages



- Two programming languages – Cicode and CitectVBA
- Statistical Process Control
- Graphical elements including, Genies, Super Genies and ActiveX objects

Unlike CitectSCADA, CitectHMI is available exclusively to OEMs through the Citect OEM Partners Program.

CitectHMI has been designed for standalone HMI applications and includes a wide variety of driver and connectivity options. If the driver you require is not available, it is possible to write your own using the Driver Development Kit.

CitectHMI is a scalable solution which can be upgraded to CitectSCADA. This is as simple as reprogramming the software key.

Third party applications can access data from CitectHMI using the connectivity option. This ensures seamless integration with existing control solutions. The connectivity option provides support for the OPC Server and provides access to CitectHMI data using the CitectHMI/SCADA API.

CitectHMI is a powerful and price competitive answer to your HMI needs. Please contact your local Citect office or nearest distributor to find out more about CitectHMI and the Citect OEM Partners Program.

An example of the CitectHMI graphics display.

CITECTHMI PROVIDES FLEXIBLE, COST-EFFECTIVE AND EASY-TO-SUPPORT SOLUTIONS.

Citect is one of the world's leading industrial automation software systems. For over 10 years, Citect has provided users with maximum flexibility, scalability and proven reliability in an all-inclusive, easy-to-use package. Building on this foundation, CitectHMI has been developed specifically for use by machine, plant and equipment vendors.

OEM PARTNERS PROGRAM

The Citect OEM Partners Program provides many benefits including flexible pricing, close technical liaison, and full access to Citect Technical Support, thousands of Knowledgebase articles and the Citect Users List.

CitectHMI provides powerful, cost-effective and customizable solutions

YOUR CHOICE FROM OVER 100 DRIVERS

Allen Bradley
Ampcontrol
April
Baker Hughes
Beckhoff
Bosch
Cegelec
Contrec Systems
Control Microsystems Inc.
Control Techniques
Data Electronics
Eberle
Emerson
Engage Networks
Eurotherm International
Fischer & Porter
Fisher Controls
Fuji Electric
Gantner
GE Fanuc
GEC
Hitachi
Honeywell
Intelligent Instrumentation
Klockner Moeller
LG Industrial Systems
Matsushita
Mauell
Mindata
Mitsubishi
Modbus RTU and ASCII
Omnitronics
Omron
OPC Client
Opto 22
Phoenix Contact
PLC Direct (Koyo)
SAIA
Samsung
Schneider – Modicon
Schneider – Square D
Schneider – Telemecanique
Siemens
SIXNET
Softing GMBH
Sprecher & Schuh
Toshiba
Weidmuller
Westinghouse
Woojin

and many more...

Please contact your local distributor for a full listing.

SIMPLE TO CONFIGURE

- User expandable libraries of graphics symbols and templates included
- Extensive online help
- "Fill in the forms" configuration
- Express Wizards for PLC communications
- Genies for configuration of complex animation objects
- Super Genies for repetitive plant processes, common displays can be reused by different sets of variables
- Import and synchronize tag definitions direct from PLC packages to CitectHMI reducing configuration time
- Enhance system functionality with off-the-shelf third party applications using ActiveX objects

GRAPHICS DISPLAYS

- Vector, bitmap and text based objects all have size, position, rotation, slider, keyboard input, mouse input and access control dynamic properties
- Switch languages at runtime
- Support for ActiveX objects
- Auto resize for different resolutions
- Synchronous flashing colors
- Super fast display of screens
- Unlimited graphic pages

DRAWING TOOLS

- Library objects, templates and styles
- 3D pipe tools and accessories
- Runtime tool tips for operator help
- Swap range of colors
- Up to 32,000 animated objects per page
- Unlimited static objects per page
- Keyboard commands (global, page and position)

PROTOCOL COMPATIBILITY

- Select from over 100 communications drivers.
- Wide variety of drivers available
- OPC Client

ACCESS TO DATA

- Network DDE including, read, write and exec
- VB or C Language API (optional)
- OPC Server (optional)

ALARMS

- Time stamped alarms to 1 millisecond
- Disable and enable alarms individually by page, category or priority
- Context-sensitive help for runtime alarms
- 255 levels of alarm priority or category
- Operator comments can be attached to alarms
- Deviation, rate-of-change alarms and adjustable trip points
- Display alarms by category or priority
- Historical alarm and event logging
- Online alarm disable and threshold modification
- Event-triggered alarms
- Alarm-triggered reports
- User-defined formats and colors

TRENDS

- Trend compare capability
- True trend print-outs not screen dumps
- Dynamic selection of trend pens
- Rubber band trend zooming
- Online pan and zoom facilities
- Export data to DBF, CSV, ASCII files, clipboard or other applications
- X/Y Plot capability
- Periodic & event based trends
- Trend samples from 10 Milliseconds
- Pop-up trend displays

REPORTS

- Reports have full access to all CitectHMI data and the complete set of Cicode functions
- Access to any Windows programs via DDE
- Output to screen, printer, disk files, dBASE, SQL
- Time-triggered or event-triggered reports
- Online changes of report trigger times
- True report print-outs not screen dumps
- User-designed report in WYSIWYG
- Any report can be viewed in any language
- Ability to include graphs in printouts
- Operator can add comments to reports
- In-built accumulators for run hours/number of starts etc

APPLICATIONS LANGUAGE (CICODE/CITECTVBA)

- Multithreaded languages
- Cicode similar to C/C++
- CitectVBA is compatible with Microsoft VBA
- Indirect read and write of tags
- All functions are re-usable, modular and transportable throughout the system
- Full mathematical and Boolean functions
- Full string manipulation
- If-then-else, For-Do, While Do, Conditional Executors
- Over 700 standard Cicode functions
- Client server, remote procedure calls & semaphores
- Integrated editor/debugger allows rapid code development and fault finding. Color coding, single step, view code, view variables, automatic break on error, manual break points, view threads and more

SECURITY

- Eight password levels per area provides over 1 billion combinations
- Password encryption and aging
- Multiple areas and levels for each user
- Security attached to data and actions

SUPPORT

- Citect Toolbox
- Driver Packs and Service Packs
- Training packages
- Knowledgebase articles
- Website support
- Application support (optional)
- Engineering support (optional)

For further information visit www.citect.com or call your regional office

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Citect
Industrial Strength Solutions