U.C.ME™ OPC

Alert-Analyze-Act

Immediate Control. Anytime. Anywhere.
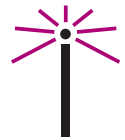
Alarm Notification

Remote Control

Alarm Analysis

Information Visibility

U.C.ME™-OPC - Software for superior industrial automation control.

Using standard wireline, wireless, and SMS technologies, U.C.ME™-OPC interfaces with any SCADA/HMI, OPC or DDE server to provide efficient, rapid and secure two-way communication with SCADA platforms, remote devices and users, via text messaging (SMS) or telephony.

U.C.ME™-OPC - Combining four advanced functions to keep you covered

Alarm Notification

Via multiple channels

U.C.ME™-OPC is advanced alarm notification software that can send alarms in a number of ways:
• Voice over Telephony - send a voice message via phone. U.C.ME™-OPC can concurrently dial to four recipients. During the call, alarms may be acknowledged; tag values may be retrieved or changed by the recipients.
• SMS - send a text message to any phone using cellular or landline modems.
• Pager - send a text message to a pager using an analog modem.
• Email - send a text message using email.
• Fax - send a text message to any fax.
• Voice annunciation - play a message over the computer's speakers.

Remote Control

For rapid response

With U.C.ME™-OPC, users can respond instantly to alarms via phone or SMS messaging. Predefined SMS templates stored in the users' cell phones can be used to change set-points, query field values, suspend or resume alarm notification and more.

Alarm Analysis

More than simply notification

U.C.ME™-OPC analyses the critical parameter data of an alarm, compares the values with the desired range, and marks the parameters that don't comply. This real-time information is sent directly to your cell phone, pager or email so you can take rapid action, and is also stored in a database for offline analysis.

Information Visibility
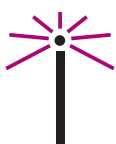
The data that is important to you

U.C.ME™-OPC Snapshot Server is a web-enabler and cellular-enabler real-time system capable of handling data acquisition, data monitoring and data analysis. It is designed to improve the productivity of manufacturing plants by converting plant floor data into critical business and operational information, making it available to you via cell phone or web browser, exactly when you need it.
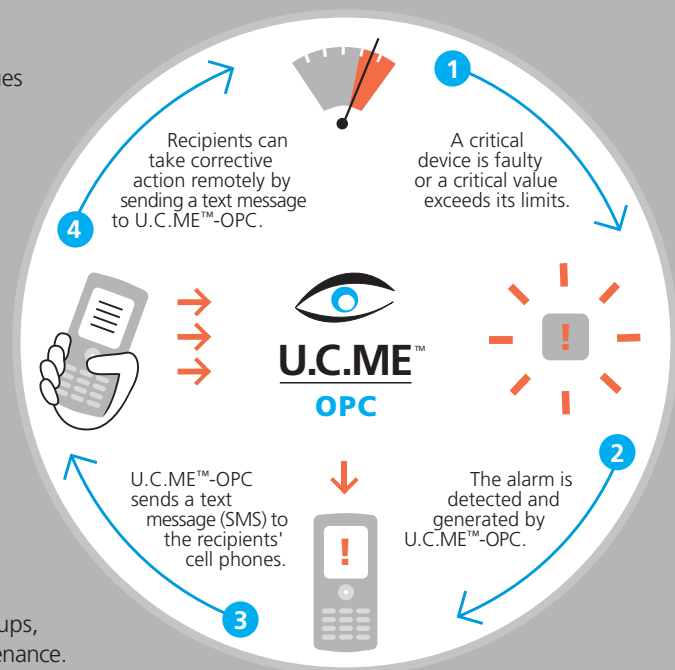
How can U.C.ME™-OPC benefit you?

- **Remote control** - Innovative capability enables flexible two-way communication for shortened response time and unprecedented efficiency.

- **Sophisticated escalation procedure** - Escalation procedure can be customized to ensure alarms are delivered to alternative recipients. Remote alarm acknowledgement prevents unnecessary repeat alarm notifications – reducing nuisance alarms and reducing costs.

- **Detailed, real-time alarm analysis** - By providing additional plant floor parameters, U.C.ME™-OPC provides you with more, detailed information so you can have the complete picture at the moment of an alarm for a more accurate response.

- **Easy alarm import from your SCADA** - Saves the time and effort of manually redefining your alarms in U.C.ME™-OPC.

- **Reliability & Security** - U.C.ME™-OPC is active even when you are not logged in. The system automatically reconnects after a power outage or after an OPC server software has stopped.

- **21-CFR-Part 11 compliance** - Supports FDA regulations, assisting pharmaceutical and food factories with compliance.

More U.C.ME™-OPC Features

- **Runs as a Microsoft® Windows® service**
  The service operates before a user has logged in and continues to operate after the user has logged off. If the service fails, recovery actions can be set up, such as restarting the service automatically or restarting the computer (for computers running Windows® 2000, XP and Vista only).

- **Multiple server connectivity** - U.C.ME™-OPC communicates with multiple OPC servers and with industrial automation software (SCADA) via OPC or DDE.

- **Shifts and special days** - Recipients are notified according to predefined shift schedules; recipients may also specify special days such as holidays in which the shift priorities are different from the regular week.

- **Log function** - Records all alarms, responses and other activities, while alarm history may be viewed and analyzed on any computer via Internet/Intranet. This feature ensures a complete and thorough monitoring of every activity for enhanced efficiency and flexibility.

- **Recipient groups** - Alarms can be sent to pre-defined groups, for a more efficient notification system and easier alarm maintenance.

1 A critical device is faulty or a critical value exceeds its limits.

2 The alarm is detected and generated by U.C.ME™-OPC.

3 U.C.ME™-OPC sends a text message (SMS) to the recipients' cell phones.

4 Recipients can take corrective action remotely by sending a text message to U.C.ME™-OPC.

Advanced Options

- **Cell-phone active alarm window** - One click on a predefined link on the cell-phone browser will open a GPRS link straight to an active alarms window; users may also choose not to receive alarm notification, and instead browse this window periodically.

- **Server watchdog mechanism** - UCME™-OPC runs a watchdog mechanism with the OPC or DDE server software. When the server (SCADA) is not operating, UCME™-OPC will notify the appropriate users.

- **Master/Standby** - U.C.ME™-OPC supports master/standby configuration. U.C.ME™-OPC running on the standby PC will send alarms only as backup to U.C.ME™-OPC at the master PC.

U.C.ME™-OPC - Versatility, Flexibility

Voice over Telephony   **SMS**   **Voice annunciation**   **Email**   **Fax**   **Pager**

No matter where you are, you can utilize U.C.ME™-OPC's remote bidirectional control functionality via multiple channels for real time monitoring and control of remote sites, and quick response.

U.C.ME™-OPC Applied

Making your Field a more Convenient Place to Work

U.C.ME™-OPC is the ideal solution for a wide range of fields, including:
- Building management
- Oil and gas works
- Power stations
- Water works and sewage treatment plants
- Factories and production lines
- Fire detection control systems
- Healthcare
- Food and pharmaceuticals
- And more

Specifications

Hardware requirements

- Intel® Pentium®4 or higher
- Dialogic telephony (or telephony and fax) board or Way2Call Hi-Phone USB device (if voice phone calls are required)
- Approved CDMA or GSM cellular modem or landline SMS modem
- Available PCI slot (when using Dialogic telephony board)
- Available serial port (external modem)
- Available USB port (for the Hi-Phone telephony device) and for the U.C.ME™-OPC security dongle

Software requirements

- Microsoft Windows® 2000, Windows® 2003 Server, Windows® XP, Windows® Vista
- OPC or DDE server software, or SCADA/HMI software that supports OPC or DDE server functionality

Supported Software

The following software packages have been tested and are supported by Control-See's **U.C.ME™-OPC** software:
GE Fanuc **Cimplicity**™, Ci Technologies **CiTect**™, Control Microsystems **ClearSCADA**™, Wonderware **InTouch**™, KEP **Infilink**™, GE Fanuc **iFix**™, National Instruments **Lookout**™, ARC Info **PCVue**™, OSIsoft **PI**™, Rockwell **RSView**™, Siemens **WinCC**™, ELUTIONS **Wizcon**™.

U.C.ME™-OPC is at your service…We welcome enquiries and would be happy to discuss how U.C.ME™-OPC can help you.