

Controller support:

<u>Controller</u>	<u>Minimum version</u>	<u>Latest Version</u>
BECSys RCM	v1.41	v1.5x
BECSys 7	v1.00	v3.3x
BECSys BW	v1.02	v3.3x
BECSys 5	v0.28	v3.3x
ECS Command Controller	v0.32	v1.00
System 4	v3.01	v4.10
System 4M	v4.95	v5.10
System 5	v1.00	v1.10
System 5 ECS	v1.00	v1.31
System 5F	v1.01	v2.12
System 6	v1.00	v1.12
System 7	v0.47	v1.09
System 7 ECS	v0.47	v1.09

Supported Operating Systems:

- Windows XP (32 bit)
- Windows Vista (32 and 64 bit)
- Windows 7, 8, 8.1, 10 (32 and 64 bit)

BECSys for Windows v1.60.400 Release notes – June 18th, 2021:

- Added support for BECSys5/7/BW v3.30
- Fix errors that occur when connecting to a BECSysBW v3.2x+ controller.

BECSys for Windows v1.60.300 Release notes – December 9th, 2020:

- Added support for BECSys5/7/BW v3.20
- Added support for BECSysRCM v1.58

BECSys for Windows v1.60.200 Release notes – June 2nd, 2020:

- Fix issue with warning message for BECSys5/7/BW v3.00 controllers

BECSys for Windows v1.60.100 Release notes – April 24th, 2020:

- Added support for BECSys5/7/BW v3.00. First release that supports the new BECSys LUI board
- Added support for BECSys5/7/BW v3.10. This includes accommodations for 4-20mA free chlorine sensor.
- Added support for BECSys5/7/BW v2.60. This includes accommodations for 4-20mA free chlorine sensor.

BECSys for Windows v1.58.370 Release notes – October 29th, 2018:

- Added support for BECSys5/7/BW v2.50.

BECSys for Windows v1.57.369 Release notes – February 28th, 2018:

- Renamed TDS Control to Bleed valve for v2.2x and v2.3x B57W controllers.
- Fixed Log view Surge Pit event group label only showing up as the first character ('S' instead of 'Surge Pit') on both the graph and the event group selection list.
- Fixed About screen locking up since v1.57.367.

BECSys for Windows v1.57.368 Release notes – October 11th, 2017:

- Multiple minor bug fixes for BECSys5,7 & BW controllers.

BECSys for Windows v1.57.367 Release notes – September 29th, 2017:

- Added initial support for BECSys5/7/BW v2.40.
 - **Menu tree:**

- Added Alkalinity input and control
- Added pH CO2 feed
- Renamed pH feed down to pH Acid feed
- Added pH CO2 feed to operator's console.

BECSys for Windows v1.56.366 Release notes – August 16th, 2017:

- Corrected CI feed's TBP min on-time label in some versions of BECSys5s and BECSys7s.

BECSys for Windows v1.56.365 Release notes – August 14th, 2017:

- Added CI/Br lockout alarm to BECSys5/7 alarm panels and menu trees.
- Fixed blank EZConnect controller selection screen when changing the connection type from Direct, Modem, or TCP/IP to EZConnect on a site it had successfully communicated with before the change.
- Added missing menu file for BECSys5/7/BW v2.30.
- Added DNS IPs to menu tree for RCM.

BECSys for Windows v1.56.364 Release notes – July 17th, 2017:

- Fixed issue where vfd flow rate when using the no decimal place scale would cause error messages.

BECSys for Windows v1.56.363 Release notes – June 28th, 2017:

- Added support for BECSys5/7/BW v2.30.
- Added "TBP Minimum on time" for pH and CI feeds to menu trees on all versions of BECSys5/7 that have those settings.
- Installer now fixes file permission and activex issues.
- Fixed issue with installer installing Gigabit board USB drivers on all versions of OS instead of just XP and Vista/Server 2008 systems.

BECSys for Windows v1.55.362 Release notes – March 9th, 2017:

- Added BECSysRCM to EZConnect connections.
 - When BECSysRCM is selected as the controller type, dialog takes the RCM's Ethernet MAC address instead of a serial number.
- Added BECSysRCM v1.50 support including EZConnect and EZMail.
 - EZConnect authorization codes can only be viewed or generated through the USB direct connect or through a local Ethernet connection (RCM and PC must be on the same physical network).
- Added TCP error messages for host unreachable (likely bad IP address) and host down Winsock errors.
- Fixed issue causing error messages popping up when trying to display an EZConnect access code change event in the log view or when exporting logs.
- Fixed RCM "updating controller" menu tree items to say "yes" instead of "lookup error" when changing a value on a BECSys2/3.
- ActiveX:
 - Added RegisterActiveX.bat to be installed to the Support folder under the installation folder. This can be run to manually register the activeX components.
 - Changed installer to use Windows Installer Self-Registration instead of Install Shields'.
- Added Windows XP and Vista driver for Gigabit board USB direct connect.

BECSys for Windows v1.54.360 Release notes – December 5th, 2016:

- Added support for BECSys5/7/BW v2.20 including EZMail.
- Fixed issue with alarm panel not updating.

BECSys for Windows v1.53.358 Release notes – May 12th, 2016:

- Added support for Fluidra Backwash Control.
- Fixed RCM graph window title not updating when switching graph to a different controller.

- The name entered for a site/controller is used in constructing the filename for a status report and log exports. If the name contains characters that cannot be used in a filename, previous versions would fail to generate status reports or export logs. The illegal characters are: \ / : * ? < > |
This version now does the following:
 - Prevent entering illegal characters in site names when creating a site or renaming one.
 - When generating status reports or exporting logs, replaces illegal characters in the site name with _ so the generated filename is valid.
- Active Alarms Panel now displays yellow indicators for things that are not control alarms such as low battery or high strainer vacuum warning.
- Silenced "NewValueReceived() – Received update from unknown source" errors that indicate a panel received an update for a value it didn't request. The error message constantly reappeared and the condition it reported didn't actually cause any problems.
- Forced relay manual on times to display zero if the value was unreasonably large. Gigabit cards running v1.10 and earlier did not sync these values properly when it first started up and contained a very large number until a manual on for a relay was used. After that the value updated correctly.
- Changed all time print format statements to use unsigned numbers (%u) instead of signed number (%d) as no time values on the controllers are ever negative.

BECSys for Windows v1.52.357 Release notes – November 20th, 2015:

- Added a data limiting option to monitoring. See manual for details.

BECSys for Windows v1.51.356 Release notes – October 22nd, 2015:

- Fixed Auto-downloads failing even if the download actually successfully completed. This would prevent the site from monitoring or downloading again until the program was restarted and would also delay closing down the program.
- Fixed "downloading Kernel" download messages with BECSys5/7/BW controllers running v2.1x firmware. They now say "downloading events" like all other controllers/versions.

BECSys for Windows v1.51.355 Release notes – September 16th, 2015:

- Included latest available versions of OpenSSL dlls. V1.51.354 did not include any version of the dlls and therefore BECSys for Windows would fail to start if the dlls weren't already installed by another program. Also included the license file.
- Included the required OpenSSL acknowledgments on the about screen.

BECSys for Windows v1.51.354 Release notes – September 4th, 2015:

- Enabled TLS/SSL encrypted connections to EZConnect and BECSys5/7/BW controllers with gigabit Ethernet cards. Requires v1.04 or later Gigabit card firmware.
- Added option to site's right click menus to cancel reconnecting to that controller when the previous connection failed and the user left the reconnect option checked on the error message.
- Added a 30 second timer to force close the site database if one of the sites doesn't close properly and holds up closing the program or deleting a site. Pops up a Please Wait message while waiting.
- Fixed crash when EZConnect closes connection while displaying EZConnect Serial Number not found failure message.
- Fixed crash when attempting to close or delete site while displaying connection error message box.
- Corrected EZConnect spelling.

BECSys for Windows v1.51.353 Release notes – August 27th, 2015:

- Fixed crash when a EZConnect connection failed due to a bad authentication code.
- Now log all failed connection attempts for downloads in download report, including controller not found on EZConnect.

BECSys for Windows v1.51.352 Release notes – August 17th, 2015:

- Added support for BECSys7, BECSys5, and BECSysBW v2.11 firmware.

- Fixed EzConnect authentication codes not saving on some systems.
- Once verified (ie connected successfully), EzConnect authentication codes do not get marked bad unless that code is truly no longer valid on that controller.
- Fixed auto-reconnect not always working.
- Disabled tool tips and auto monitor while dragging (moving) sites around in site tree. Attempting to display a site's tool tip window or checking sites for auto monitor caused the program to crash while the user was moving a site.
- Changed Alt CI set point event color to yellow instead of green so it isn't confused as a feed.
- Added monitor log functions for factory troubleshooting/debugging (not available to end users).

BECSSys for Windows v1.51.351 Release notes – June 30th, 2015:

- Fixed adding or removing sites or groups not saving in the site tree.

BECSSys for Windows v1.51.350 Release notes – June 11th, 2015:

- Fixed randomly occurring issue that corrupted the site database after updating.
- Added missing labels for Authenticated Email settings.
- Added missing labels for NPC valves.

BECSSys for Windows v1.51.349 Release notes – May 12th, 2015:

- Support for RCM restored. (RCM support accidentally removed in build 347).
- Added support for BECSys7, BECSys5, and BECSysBW v2.10 firmware.

BECSSys for Windows v1.51.343 Release notes – February 20th, 2015:

- EzConnect enabled
- SSL is not yet enabled on BECSys5/7/BW v2.xx standard Ethernet connections. This version will not properly work with the production release of the 2.xx firmware/BECSys 1Gb Ethernet card.
- Version not supported error found in v1.50.342 fixed.

BECSSys for Windows v1.50.342 “Corporate Release” Release notes – December 23rd, 2014:

- Controller icons now turn red if the last connection failed.
- If connection error:
 - Right clicking on a controller or group will have an option to clear the connection error(s).
 - Controller info bubble will have a description of the last monitor failure and/or last download failure.
- Disabled EzConnect as this is not yet a released feature.
- BECSys7 v2.00 support removed. Next release will support v2.01.
- Changed storage of authentication codes so setting up a new site with the same serial number as an existing site does not inherit the authentication code already configured.

BECSSys for Windows v1.50.341 (2014 sales meeting) Release notes – November 10th, 2014:

- EzConnect support added.
 - Authentication codes are stored in the user's windows registry and not in the site database.
 - On a PC with multiple users, each user must enter the authentication code for each site they wish to connect to via EzConnect.
 - Authentication codes are stored encrypted with unique identifiers to prevent copying registry entries to other user accounts or computers.
- Added support for BECSys7 v2.00. Not included in production releases.
- **Windows 2000, NT4, and Windows 9x no longer supported.**

BECSSys for Windows v1.46.338 Release notes – May 9th, 2014:

- Fixed v1.46.337 issue with BECSys7/BW backwash panel preventing mechanical page from displaying initially.
- Fixed BECSys7/BW backwash panel relay status indicators not working.

- Removed relay numbers from labels on operator consoles.
- Fixed BECSys5/7/BW reassign inputs listing new flow rates, pump eff, and total ci inputs on versions that did not support them.
- Fixed BECSysBW showing Total CI when reassigning inputs.
- Fixed BECSys5/7/BW Pump Eff using Filter Eff input's input type (analog or digital) when determining what sensor types are allowed (4-20mA or digital). Previously, if Filter Eff was not assigned an input, the only option for Pump Eff's sensor type was "Not Installed".
- Fixed Strainer alarm not setting the right value on the controller for BECSys5/7/BW v1.06 – v1.26.
- Added Strainer High Vac alarm to Menu→Inputs→Pressure and Vacuum→Strainer Vacuum in the menu trees on BECSys5/7/BW v1.27-v1.45.
- Removed duplicate CI Booster ORP set point in BECSys5/7 menu tree for v1.25-v1.26.

BECSys for Windows v1.46.337 Release notes – May 1st, 2014:

- If monitoring prior to download, window switches back to previous menu tree or operator console view after download completes.
- Added Ozone and CI booster failsafe settings to BECSys5/7 menu trees.
- Added controller names to RCM graphs titles. Only works if site is downloaded or monitored with this version (or newer) of BECSys for Windows.
- Added displaying N and C after the version numbers for Nemato NPC versions of the BECSys7/BW and the no backwash version of the BECSys7.
- In history graphing, separated flow rate inputs 2-4 and combined flow from flow rate input 1 so they have different default colors and view options.
- Added to the operator console's mechanical page a TDH gauge and flow rate gauges flow rates 2-4 (with low alarms), combined flow rate (with low alarm), VFD control, and min flow for heater, ozone and UV. VFD and minimum flow gauges are duplicate flow gauges to allow easy distinction of their function. These gauges will arrange themselves to use any empty space to the right of the pressure gauges while staying grouped together and expand out below them if needed.
- Added date format parameter to RCM menu tree so people can see dates formatted dd/mm/yyyy on their alarms callouts if they prefer.
- Added downloading compatible BECSys for Windows version number from BECSys5/7/BW controllers. If a new version of firmware comes out that requires a newer version of BECSys for Windows than what's running, a message will pop up while making the connection to explain this, but the connection is not aborted.
- Added low and high bands (not settable) to LSI and RSI gauges and unlocked them so the scale adjusts to the current value like most other gauges.
- Fixed issue with users putting IPs with extra zeroes (192.168.001.028) in the connection dialog caused the connection to fail immediately.
- Silenced "IsSizeOK: code=0x302a size=1 error" type of errors.
- Fixed an unhandled exception due to the strainer gauge on mechanical page trying to autoscale itself to a negative number.
- Fixed issue where if the controllers on an RCM are not assigned sequentially, the controller selection box for graphing wouldn't contain the proper labels.
- Fixed long text shown in lists in certain windows being cut off.
- Fixed a memory leak in graphing VFD turndown events added in v1.46.335.

BECSys for Windows v1.46.336 Release notes – March 25th, 2014:

- Fixed a number of minor issues with BECSys5/7/BW v1.60.
- Fixed importing a RCM data dump into a new site.

BECSys for Windows v1.46.335 Release notes – March 19th, 2014:

- Added support for BECSys5/7/BW v1.60.
- Added BECSys5/7/BW Recirc and UV turndown groups to the graph event selections and added additional events to various groups.

- Flow rate inputs 2-4 and the combined flow rate are not shown on the operator console's mechanical page. This will be added in the next release.

BECSys for Windows v1.45.333 Release notes – December 24th, 2013:

- Fixed changes to trace configuration in log graphs being ignored.

BECSys for Windows v1.45.332 Release notes – December 11th, 2013:

- Added Download Report. This report can be generated by selecting Help→Download Report.
 - Added "Include in Download Report" option to site settings Auto Connect tab.
 - Sites with the above option set will be included in the download report.
 - The report is in html format and will open in the default web browser.
 - The report has a summary section at the top:
 - Lists the date, time and status of the last download of each site.
 - Details section follows the summary section listing the following for each site:
 - Details of each download attempt.
 - Links to the status report for each download.
 - When generating the report, the user is presented with a dialog box allowing them to select how far back in time and maximum the number of downloads to list in the details section.
- Added support for BECSys5/7/BW v1.49 and v1.5x.
- Fixed VFD set point issues.
- Fixed multiple menu tree and other display issues for BECSys5/7/BW.
- Added support for Nemato National NPC precoat valves/relays.
- Changed TCP/IP's IP address field to a text box to allow entering named addresses like mycontroller.mycompany.com in addition to IP addresses like 192.168.0.222.
 - This will allow the use of registering dynamic IPs with a dynamic DNS service for controllers behind cell modems or other devices that don't usually have static IPs.
- Serial/com port detection overhauled.
 - Eliminated part of the delay at program startup and opening a site's settings due to com port detection.
 - New com ports are detected while program is running. Reopening a site's settings will refresh the com ports available for use.
 - Removed default com port from global settings.
 - Removed Override global settings from site connection tab.
 - If a site is configured to use a com port not currently on the system, it defaults to the last com port.
 - If a site is configured to use a modem not currently on the system, it uses the default modem as set in the global settings. If the default modem is not on the system, it will default to the first modem available if any.
 - Changes to a site's selected com port or modem are only saved in the site database when it is used to successfully connect to the site. This prevents the com ports and modem settings being automatically changed/lost when the selected device is temporarily not present.
- If the last download failed, the site's tooltip will indicate this and also display the last good download.
- Disabled "BECSys for Windows detected a change in the system's history configuration" message.
- Added exception capturing and recovery to log database routines.
- Downloads can now recover gracefully without losing data when encountering most errors during a download.
- Added program version to program's title/caption bar.

BECSys for Windows v1.42.327 Release notes – November 26th, 2012:

- Added Active Alarms Panel.
- Reorganized BECSys5 Chemistry page to display flow rate and conductivity gauges before TDS and RSI gauges so flow rate can be viewed if the window is shrunk.
- Added standard Cl/Br control panel to BECSys3s with ppm sensors.

- Replaced round LED controls with square LED controls as the round control leaked GDI resources every time it was refreshed.
- Fixed GDI resource leak when creating new tabs.
- Enabled shrinking of operator console screens smaller and disabled the horizontal scroll bar to prevent crashing if user tried to scroll right.
- Fixed problem if window was resized smaller than the default size, the next time the site was monitored it would return to the default size instead of using the previous size.
- Disabled the warning message about no COM ports found when first starting the program.
- Fixed VFD turndown set points units.
- On sites never monitored before, defaulted the Operator Console Windows to the full size instead of the minimum.
- Fixed bug where the auto cycling between multiple operator consoles would get stuck on a BECSys 7 with Chemistry and Mechanical pages.
- Added Windows 8 to supported Operating Systems.

BECSys for Windows v1.41.320 Release notes – September 21th, 2012:

- Fixed value out of range error message when monitoring RCM's/BECSys3s with ppm sensors.
- Added support for new BECSys3s with internal RCMs.
- BECSys2/3 derived ppm panel now displays. Bug prevented it ever displaying with released version of RCM/BECSys3 firmwares.
- Modified BECSys2/3 derived ppm panel in operators console to support the 0.2 to 16.0 scale on newer BECSys3s.
- Fixed BECSys2/3 derived ppm set point not displaying or not displaying properly in menu trees.

BECSys for Windows v1.40.317 Release notes – November 30th, 2011:

- Resized operator windows and controls to fit more active connections on larger screens without overlap.

BECSys for Windows v1.40.315 Release notes – June 3rd, 2011:

- Fixed v1.40.314 bug that caused most controllers to fail when downloading.
- Added global setting to allow users to size the height of monitor windows to less than what is needed to display the contents. Monitor window widths still cannot be sized smaller than their contents.
- Fixed manual scaling of history traces on graphs.

BECSys for Windows v1.40.314 Release notes – May 16th, 2011:

- Added code to force redisplaying of site database window if user somehow managed to close the window.
- Re-implemented code that when unexpected or corrupted data is received, it delays sending or resending a message until the remote system finishes sending. Original code was more complicated and had been disabled prior to v1.01 as it was suspected it interfered with communications with some other controllers.
- Re-implemented code that filters out excessive E (error) messages sent by ECS Command and System 7/System 7 ECS controllers. Original code was disabled as it relied on the above mentioned delay sending code. This code simply filters out the messages and does not delay sending messages.
- Minor updates to ECS Command status report labels.

BECSys for Windows v1.40.313 Release notes – January 13th, 2011:

- Minor database correction for VFD set point selection.

BECSys for Windows v1.40.312 Release notes – August 24th, 2010:

- Minor database correction for BECSys7 v1.26 firmware.

BECSys for Windows v1.40.311 Release notes – August 3rd, 2010:

- Minor database corrections.
- Corrected USB driver preinstall.

BECSys for Windows v1.40.310 Release notes – July 15th, 2010:

- Updated to support BECSys5/7/BW firmware v1.40.
- Updated to support RCM firmware v1.45.
- Updated USB drivers with latest versions. Now installs 64-bit drivers for 64-bit OSes.

BECSys for Windows v1.36.308 Release notes – February 16th, 2010:

- When monitoring a BECSys RCM, a chemistry page is created for each installed BECSys3 instead of one chemistry page that you can select which BECSys3 to display on.
- The text on menu tree page tabs now blink red if any alarm is active.
- The text on BECSys3 chemistry page tabs now blink red if any alarm is active for that controller.
- The text on all other controllers' chemistry and mechanical page tabs now blink red if an input gauge on that page is in alarm.
- Chemistry and mechanical pages are now automatically added or removed whenever changes in the controller's configuration require it. Previously the monitor connection had to be closed then reopened.
- Pressure and vacuum gauges now properly add or remove themselves when a parameter is changed that affects whether that gauge gets displayed or not.
- Active tabs in child windows are now highlighted to help distinguish the currently selected tab.
- If a child window has more tabs than can be displayed, left and right arrow buttons will be shown to scroll to unseen tabs. Note this has not yet been implemented for the tabs at the bottom of the screen used to select the active child window.
- Fixed Auto-Connect timer not always running at program start.
- Fixed view only monitor sessions started by Auto-Monitor not prompting for access code when the user tries to change a value.
- Fixed gauges not always getting updated properly after user changes a set point or alarm point. Note that on BECSys RCMs, the set point or alarm points will reset back to the previous value while the RCM updates the BECSys3. It will then jump to the entered value if the BECSys3 accepted the value.

BECSys for Windows v1.35.307 Release notes – February 5th, 2010:

- When logged on as view only, the user will be prompted for an access code when attempting to change a value. If the access code is valid, the user will be elevated to that access level, and then return to view only five minutes after the user finishes changing values.
- Changed reconnect option to include monitor sessions started by the user, not just by auto-monitor.
 - Note: the reconnect feature only applies to monitor sessions, not downloads.
- Added reconnect checkbox to connection timeout/lost dialogs.
- Changed auto-connect to service both auto-monitor and reconnect.
- A site's balloon popup in the site database tree now indicates:
 - If the site is queued for auto-monitor or a reconnect.
 - What access level the user is logged in as during a monitor session.
 - If the user's access level was elevated from view only, the remaining time before returning to view only access is also displayed.
- If a user quits a monitoring session, auto-connect will be disabled for that site until the user manually connects to it again or the program is restarted.
- Made connection timeout/lost dialogs timeout if site is configured for auto-monitor or reconnect.
- Exporting logs now give the user the option to export all trace data and events or just hourly trace data with only feed and alarm events.
- Fully updated for BECSys5/7/BW v1.34 –v1.36 firmware.
- User's Guide (pdf) updated (B10).

BECSys for Windows v1.30.304 Release notes – January 20th, 2010:

- Changed auto-connect so it won't get interrupted if a connection is dropped or user quits.
- Added menu to disable or enable for auto-connect.
- Changed graphing trace selection for RCM/BECSSys3s so only one BECSys3 is shown at a time.
- Fixed problem with new site databases getting created for other users on same PC.
- Fixed problems when TCP/IP connection drops unexpectedly.

BECSSys for Windows v1.30.302 Release notes – November 3rd, 2009:

- Fixed bug that randomly prevented logging on to controllers with manager or operator access.

BECSSys for Windows v1.30.301 Release notes – October 15th, 2009:

- Fixed Flow Rate displaying incorrectly on Operator Consoles if flow rate reading or low alarm was > 3276.7.
- Added to alarm panels for BECSys5/7/BW: Flow Restored Feed Delay, VFD Turndown time remain, and several alarms overlooked since firmware v1.10.
- Updated menu tree for BECSys5/7/BW v1.3x

BECSSys for Windows v1.30.300 Release notes – September 29th, 2009:

- Added Operator Console Auto Cycle which cycles through all chemistry and mechanical operator console tabs on all controllers being monitored.
- Added Auto-Monitor options to sites.
- Added remembering Operator Console window locations so the user doesn't have to reorganize multiple Operator Console windows every time they restart the program.
- Converted the Connection Manager window into a new tab/page in the Operator Console window and expanded the information displayed.
- Added connection activity animation to the Connection Manager's page and the main window's tabs for Operator Consoles.
- Added timeouts to error or message dialogs. When monitoring a site set for auto-monitor or downloading due to an auto-download, error and message dialog boxes will be displayed for 20 seconds. If the user does not click on one of the buttons on the dialog box in that time, one of the buttons will be triggered to allow continuing with the monitoring or downloading.
- Fixed main window's tabs flickering when a new tab is selected.
- Updated BECSys5/7/BW icons to have the new white displays.
- In supervisor mode (/s on command line), increased the menu tree's font size (for easier use with the touch screen).
- User's Guide (pdf) updated (109).

BECSSys for Windows v1.30.278 Release notes – August 18th, 2009:

- Added support for BECSys5/7/BW v1.29-v1.31.
- Added pump effluent pressure gauge to operator's console mechanical screen.
- Fixed strainer gauge never showing values above 0 for BECSys5/7/BW v1.10 and later.
- Added ability to trigger callout test on BECSys5/7/BW v1.26 and later.
- Site database tree window retains whether or not it is pinned open from last time program ran.
- Added supervisor mode (/s on command line) which increases the site database tree's font size (for easier use with the touch screen), forces the site database to not be pinned open, and automatically maximizes operator console windows.
- Last loaded site database is now loaded after the main window is constructed and displays a message while loading.

BECSSys for Windows v1.27.275 Release notes – May 8th, 2009:

- Implementation of BECSys RCM v1.41 includes menu tree, operator's console, logging and graphing, and importing of logs via a USB thumb drive. Previous BECSys RCM firmware versions (prior to v1.41) are no longer supported, therefore, the firmware in these units must be upgraded.
- Fixed Low Flow rate alarm bug in Mechanical tab for the BECSys7 & BECSysBW.

- Fixed auto download scheduling issues.
- Fixed site database closing issues when a connection was not closed correctly.

BECSys for Windows v1.26.271 Release notes – March 13th, 2009:

- Fixed graphing date range selection dialog sometimes causing program to crash on Vista.
- Fixed bug with import site.

BECSys for Windows v1.25.270 Release notes – November 12th, 2008:

- Added support for BECSys5/BECSys7/BECSysBW firmwares v1.25 (Ethernet card callout support).
- Changed formatting of dates and times to follow the PC's localization settings by using system calls instead of MFC library calls.
- Fixed problems with history logs if VFD control and/or TDH are enabled on BECSys5/7/BW.
- Fixed Strainer vacuum on mechanical operators console not showing up for BECSys5/7/BW v1.06 and later firmware.
- Fixed digital readouts not showing up on mechanical operators console for pressure/vacuum and flow gages.
- Updated controller, toolbar, and program icons.

BECSys for Windows v1.20.263 Release notes – August 14th, 2008:

- BECSys RCM menu tree updates.

BECSys for Windows v1.20.262 Release notes – August 1st, 2008:

- Fixed intermittent history download failures to BECSys RCMs over Ethernet.

BECSys for Windows v1.20.260 Release notes – July 2nd, 2008:

- Enabled TCP/IP connection type for connecting to BECSys RCMs and BECSys5/BECSys7/BECSysBW via a BECSys Ethernet Card.
- Added support for BECSys5/BECSys7/BECSysBW firmwares v1.20 (Ethernet card support).
- Changed formatting of dates in graph titles to follow the PC's localization settings.
- Added monitoring (menu tree only) and graphing of history downloads support for BECSys3s connected to a BECSys RCM. Viewing BECSys3s as separate controllers will be added sometime in the future. For now, they show up as part of the BECSys RCM.
- Added BECSys for Windows User's Guide (pdf) (F08)

BECSys for Windows v1.11.250 Release notes – May 29th, 2008:

- Added support for BECSys5 and BECSys7 firmware v1.11 (calc ppm control).
- Changed second line in status reports "Status Report created on:" to print time and date according to the PC's localization settings.
- Fixed Remote Codes Mismatch error with BECSysBW v1.10 firmware.

BECSys for Windows v1.11.220 Release notes – May 13th, 2008:

- Added support for BECSys5, BECSysBW, and BECSys7 firmware v1.09 and v1.10.
- Added English localization for Canada, US, UK, and Ireland on address fields on the settings general tab for sites and groups.
- Eliminated long timeouts when disconnecting from a controller that is not responding.
- Enabled creation of new sites and groups while a site is selected in the site database tree.
- Now allow starting another modem connection before the modem finishes resetting from a previous connection. However, if the previous connection attempt failed and the modem does not get reset right away, you will get the error message "Modem is resetting. Please wait and retry." and will not be able to start a new connection until the modem resets.
- Added TCP/IP connection properties for BECSys RCM and BECSys Ethernet cards, however they are disabled in this public release.
- On the graphical operator consoles, fixed set point controls not getting rescaled when the input control rescales.

- Fixed BECSys5 & BECSys7 pH feed direction on the chemistry operator console.
- Fixed the site name not getting set to the entered name when creating a new site if clicking the next button while still in the Site Name text field. Pressing enter or clicking on a different edit box before clicking next worked okay.
- Fixed “No Current Record” bug when attempting to view logs on a site that started a download for the first time but didn’t finish.
- On a site’s right mouse click popup menu, the “Monitor”, “Download”, “View Logs”, and “View Status Report” options are disabled (grayed out) when appropriate.
- Miscellaneous display type fixes for all controllers.
- Some program stability fixes.

BECSys for Windows v1.10.120 Release notes – June 6th, 2007:

- Fixed problems with System 4, 5, & 6 downloads.
- Added check box option to connection manager window to allow automatically disconnecting when download completes. Only shown during a download that was started while monitoring the site.
- The installer program on NT based systems now checks that the user has administrator rights and aborts if the user does not.
- Added drivers for BECSys USB direct connect cables to install program.

BECSys for Windows v1.10.110 Release notes – May 23rd, 2007:

- Added support for BECSysRF.
- Added popup tool-tip help to site settings dialogs.

BECSys for Windows v1.10.100 Release notes – March 21st, 2007:

- V1.10 General features:
 - New look.
 - Toolbars are now attached to the child windows they serve.
 - Windows Vista compatible.
- Site database features:
 - Sites and groups can now be rearranged by dragging them.
 - Sites now display an icon representing the controller they connect to, and will indicate if an auto-download is configured by displaying a small clock in the bottom right corner of the icon.
 - Creating a new site database now queries for the global default settings, then automatically creates a new site.
 - Creating a new site now runs a wizard that steps through the site’s settings tabs.
- Operator consoles:
 - Chemistry screens were added for all controllers not previously supported.
 - Mechanical screens added for BECSys7, and were updated for the System 7 and System 7 ECS.
 - All gauges now popup tool-tips for their alarm set points when the mouse hovers over the gauge for a ½ second or more or when moving the alarm’s pointer.
- Graphing features significantly improved:
 - Each trace’s color, marker, and line thickness can be fully customized, supporting separate settings for screen and printer.
 - Events window lines up with the trace window and takes up less space.
 - Traces can be assigned to be on one of three stacked Y axis (top, middle, & bottom).
 - The Y axis for a trace uses the trace’s color and can be positioned on the left, the right, or not be shown. You can also display as many trace axes on a side as you like.
 - New auto-scale feature with a minimum span allows each trace to be displayed zoomed in as close as possible to display all of the data points while preventing it to be zoomed in so much that minor fluctuations are not exaggerated.
 - If auto-scale is not enabled, the minimum and maximum Y axis points can be manually set.

- Users can configure default settings for different trace types. New sites will use them by default and pre-existing sites can be individually reset to them.
- Trace settings windows include tool-tip popup help for all settings.
- Added a new zoom tool (X-Zoom) to allow zooming between two points in time while still allowing auto-scale to zoom the Y axes.
- Export function now brings up a save dialog to allow the user to specify the export file name and where to save the file.
- Added support for v1.02 BECSys5, BECSysBW, and BECSys7 firmwares.
- Added ability to enter LSI/RSI parameters to have the controller perform the calculations (BECSys5 and BECSys7 controllers ONLY).
 - Chemistry operator's console page: Click on the displayed value in the LSI or RSI panels.
 - Menu tree: click on any LSI/RSI parameter under the Calculations tree.

BECSys for Windows v1.02.003 Release notes – August 4th, 2006:

- Added chemistry operator consoles for BECSys5 and BECSys7.
- Removed fields displaying the com port for modems as this information is no longer needed or used.

BECSys for Windows v1.01.001 Release notes – June 29th, 2006:

- Full TAPI implementation. This resolves all known issues with detection and operation of modern modems.
- Added a button to open a site's directory in Windows Explorer to the Site Properties Connection page.
- Status reports are now saved in a Status Report subfolder in the site's data directory. A new status report is created each time you download from the controller, and these reports do not get overwritten like in previous versions.
- Status reports are now opened in Write/Wordpad instead of inside BECSys for Windows itself. This allows users to customize the format and print the reports as they wish.