

Parameterization & Analysis Software enSuite

Change history

Business Segment Electronic Systems

Version 4.8

Release date

Main new features / bug fixes

General

- Improved table of DSfG freeze function, correct calculation of average values
- Bugfix: File-Choosers cannot be opened anymore if an invalid path was entered
- Bug fix: Problem with DSfG freeze function (access codes can be entered again)

Npp devices

- Support MC1 03-39-C
- Support DC1 03-39-C
- Support FC1 with MID approval Rev.7 (meter correction up to 20 points)
- Flow Computer - Wizard and normal mode for legal functions of DC1 added
- Flow Computer - Option for manual exclusion of I/O board from legal use removed
- GasLab Q2 - Generate and sign FARC for GasLab Q2 NMI Rev. 3
- Data books – Data logger section for MC1 added
- Bugfix: GasLab Q2 - Software configuration offers duplicate entry for Q2 AFB
- Bugfix: Flow Computer - Invalid parameterization may show up as valid after reopen
- Bugfix: enSuite does not merge some archives via MMS and DSfG
- Bugfix: Cannot exchange approval file via enSuite, button sometimes not active
- Bugfix: NPE in SetDateTimeController
- Bugfix: DSfG connection via USB shows up in navigation with IP address instead of "USB: local DSfG bus"
- Bugfix: enSuite 4.7 connection issues with devices prior to 03-39-A
- Bugfix: Drag and drop of exports sometimes leaves unassigned import
- Bugfix: Closing parameterization with FB-Version change causes exception
- Bugfix: Superfluous actions on device types in product parameterizations
- Bugfix: NPP-USB - Connect triggers an error message if two devices are connected

Version 4.7

Release date

July, 16th 2020

Main new features / bug fixes

General

- Notification window added for 32-bit version
- Parameter tables - Pressing the delete key, triggered the editor instead of deleting the selected rows
- Favorites - Delete Message improved
- Derby server option removed from the data base settings
- WinPADS compatible Trace File generation removed
- Security log added (permanent log, with security relevant entries)
- Bugfix: Archive Export failed on some (very rare) system locales
- Bugfix: Serial connections not possible if the "High Entropy Bottom-up Randomization" is forced by Windows

Npp devices

- Support GasLab Q2 03-39-A
- Support EnCal3000 proChain 03-39-A
- Support FC1, BM1 and ZM1 version 03-39-A

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- Security - TLS to secure MMS communication added
- Security - TLS certificate handling in enSuite
- Security - handling of sensitive data
- Security - enSuite GUI changes for sensitive data
- Security - export parameterization without sensitive data
- Security - HTTP protocol for enCore remote operation panel removed
- Security - Remote operation panel via MMS/TLS added
- Security - Remote display (security adaptations) added
- Open parameterizations prevented the deletion of other elements belonging to the same device
- Pasting parts of parameterization does not update parameter table
- Firmware configuration: confusion concerning FARC files
- Modbus - Adding register takes too long
- Modbus - Validation blocks GUI for too long time
- whitelist 'Holding time' on MFA8 MessageOut and TriggerOut
- DSfG freeze function - allow for simultaneous freeze of 2 streams
- DSfG GetIt - allow for tables with results of more than one std request (e.g. bka, bkc)
- enSuite wizards - add option for MFA8
- EnCal3000 proChain - Peak Polarity added to recalculation parameters (in Overlay View)
- EnCal3000 - direct MODBUS connection, overview page of latest measurements of all streams
- EnCal3000 - import and display of chromatograms
- EnCal3000 - assign gas-net 3000 devices (frontend) to EnCal3000 in navigation
- Bugfix: DSfG communication does not handle RMG devices correctly
- Bugfix: Some exports of AFB SoftPLC are not displayed correctly when assigned to imports
- Bugfix: Error when creating or importing log files for GQ adjustment via DSfG
- Bugfix: Parameter are missing when copying parameterizations

LIS200 devices

- Data books - The data book tree in the parameterization reflects now the real data book
- Data books - Texts between data books of different device types aligned
- Data books - Note for cp-Value " not used for encoder operation" added.
- Data books - Manufacturer ID according DIN 43863-5 added (if available in device)
- Data books - Information about SW-Update possibility added.
- Data books - Mode of Volume Comparison added.
- Data books - EK205 Output 2 added.
- Document "BRG & HBA" approval number corrected.
- Parameterization - Counter sync: "VbP"/"VnP" are now automatically written before the synchronization function is executed.
- Parameterization - status values are now periodically updated.
- Parameterization - Monthly event dialogues allowed "0" as day of month.
- Parameterization - Inputs - "Gas Meter Type" changed to "Gas Meter Size".
- Parameterization - Modbus: Support for devices with more than 70 registers.
- Parameterization - Order of Parameters in Hardware menu changed according to new device versions.
- Parameterization - List of communication status messages updated.
- Parameterization -Modem Battery voltage - visibility restricted (not supported by all modems).
- Saved parameterizations - Values with the format "ATTRIBUTE_SOURCE" (used by some FTP transmission modes) could not be restored.
- Saved parameterizations - The limits of events (e.g. time windows) could not always be restored (the parameterization must be applied twice, if the source has changed).
- Saved parameterizations - Offline view improved: more parameters can now be shown offline
- Device search title - "(EK/DL Series)" added to "LIS200"

Gas-net devices

- Support gas-net D1n 1.03

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Business Segment Electronic Systems

Version 4.6.1

Release date

October, 10th 2019

Main new features / bug fixes

General

- DSfG console is now able to send time sync telegrams (Attention Z)

NPP devices

- Support ZM1 03-38-A including signature function with MID/PTB approval (Rev. 4)
- ZM1 - Provide recent default settings for GQ: Default gas quality settings for a new parameterization changed to MKV H-gas according to DVGW-486
- Allow clock synchronization via MMS also if security switch is closed (Device is responsible to keep restrictions e.g. sync interval).
- encore FC: Production year is now part of read out parameterization (\geq NPP 03-38) and will be printed in the data book
- Flow computer - Missing message exports of 2nd stream added to Normal Mode
- Flow computer - It is now possible to turn off wire break detection on ExMFE5 in Normal Mode
- Improved handling in MMS protocol - communication retries if device signals busy (e.g. read out parameterization directly after restart)
- Bugfix: Save button was not enabled after upgrading Normal Mode parameterization

LIS200 devices

- WPP Files updated
-

Parameterization & Analysis Software enSuite Change history

Business Segment Electronic Systems

Version 4.6

Release date

August, 29th 2019

Main new features / bug fixes

General

- Alternative to the tree view in the navigation window removed
- Visualization - Hint added to indicate that a column is calculated by enSuite

NPP devices

- Support EnCal 3000 proChain 03-37
- Existing but unused AFBs can be removed from device during software update

LIS200 devices

- LIS-200 Archives - Show short description of the value instead of LIS-200 address by default
- Bugfix: Only available actions should be shown for a device in the favorites folder
- Archive-Viewer - additional options to filter warnings and hints
- FTP "Clear readout control" commands added
- WPP-Files updated
- Bugfix: Measurement period archive EK260 - Some alarms and warnings are not handled correctly by the corresponding filters
- Bugfix: Visualization - Problems with value status filter solved

Version 4.5.3

Release date

July, 12th 2019

Main new features / bug fixes

General

- enSuite 32-bit version again available on the homepage

NPP devices

- Bugfix: 'NullPointerException' when creating a new MC1 parameterization from scratch
- Improved online help for Orifice AFB

LIS200 devices

- Parameters for 'Best-Netz' (available in EK280 V2.53) added
- WPP-Files updated

Version 4.5.2

Release date

July, 2nd 2019

Main new features / bug fixes

General

- Improved handling of DSfG bus member list if only internal addresses are available

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- Bugfix: Problem with reading archives (MMS) from devices with negative time zone solved

NPP devices

- Support MC1 03-36 (PTB approval for Signature Function)
- Support GasLabQ2 03-36
- Provide SigCheckV2 as separate tool for signature verification
- Startup display - Predefined SFB display as startup display possible (e.g. error list main display)
- Online help for AFB Orifice added
- Bug fix: Problem when reading log book from EnCal device solved

LIS200 devices

- WPP Files updated

Version 4.5.1

Release date

May, 29th 2019

Main new features / bug fixes

NPP devices

- Support FC1 03-35-A (Support for Orifice meters)
- Support Q2 03-34-A (Support for AFB TCPSerial Revision 03-02-F)

Version 4.5

Release date

May, 17th 2019

Main new features / bug fixes

General:

- The setup includes now an OpenJDK version. Requirements changed: 64bit Windows 7 or newer- see enSuite installation-instruction
- Document function (data book): dialog did fail to open if the user defined logo has an unsupported format.
- Speed up archive readout for NPP devices

NPP devices

- Support MC1 03-34 (4 PreProc groups in MeasTools, IEC60870 with stations, DSfG signature unit without approval, DSfG event forwarding)
- Data books: Do no longer print current year as 'year of production', field left empty for editing
- Support Q2 Version 03-34

Version 4.4

Release date

March, 7th 2019

Main new features / bug fixes

NPP devices:

- Support FC1 03-33-A

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- Support proChain 03-33-A
- New feature DSfG GetIt: Configure requests and export results for various verification and calibration purposes
- HART calibration of Honeywell pressure transmitter can be done directly via the Flow Computer FC1
- Counter comparison pre-warning value set to half of warning value in normal mode
- Bugfix: Ask for new comparator settings if comparator setup changed
- Bugfix: DSfG "Zeitsync durch Zentrale zulassen" does not work in normal mode
- Bugfix: The DSfG console could not be opened from the favorites

LIS200 devices:

- WPP-Files updated
- Calorific value for S-GERG added to the data book section of the parametrization.

gas-net devices:

- Connection to DSfG bus now also possible via serial connection (DSS)

Version 4.3.2

Release date

January, 8th 2019

Main new features / bug fixes

NPP devices:

- German-language properties for AFB Postprocessing added (translation of new parameters was still missing)
- Bugfix: enSuite freezes when requesting the 'Remote operation panel' via USB if it is not supported by the device
- Bugfix: Changes are sometimes not recognized by copy and paste operations
- Bugfix: The hyperlink in the output window of imported NQM product parameterizations did not work

LIS200 devices:

- Parameter "Encoder reading cycle time" added
- WPP Files updated
- Lock handling changed: Admin Lock is now always closed by default at the end of a connection
- Firmware update: Multiple devices can now be updated simultaneously
- ComTCPServ: Support for S0 parameter

gas-net devices:

- Bugfix: Set counters for gas-net series 1 not possible

Version 4.3.1

Release date

November, 23rd 2018

Main new features / bug fixes

NPP devices:

- Support EnCal 3000 proChain 03-32-A
- Bugfix: Error using parameter 'Inhibit on revision' in Normal mode for pulses calculated from flow rate
- Bugfix: enSuite hangs-up after definition of some min/max indicators
- Bugfix: Error by assigning consumption values to pulse outputs

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Version 4.3

Release date

October, 4th 2018

Main new features / bug fixes

General:

- Files can now be imported by dropping them in an empty area of the navigation window
- Bugfix: Problem in 'Adjust gas composition' via DSfG

NPP devices:

- Support FC1 03-31-A
- Support ZM1 03-31-A with PTB approval
- Support EnCal 3000 proChain 03-30-A
- Missing 'set counters' for DSfG data logger in normal mode added
- Bugfix: Possible wrong I/O description in data book
- Bugfix: Wrong status of parameter activation checkboxes in online parameterization (normal mode)

LIS200 devices:

- Data book for EK280-T added
- WPP-Files updated

Version 4.2.1

Release date

August, 8th 2018

Main new features / bug fixes

NPP devices:

- Support Q.Sonic Firmware V2.11 again

Version 4.2

Release date

July, 13th 2018

Main new features / bug fixes

General:

- Handle incompatibilities in DSfG archive readout of RMG devices
- Improved DSfG connectivity via Modem

NPP devices:

- Support MC1 03-29-A (incl. general DSfG requester and IEC60870-5-104 standards)
- Support BM1 03-29-A (MID release)

LIS200 devices:

- Bugfix: The "Sync to PC time" function could not be used if the time zone was negative

gas-net devices:

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- Import ZUG files (DSfG connection parameters) from GASWORKS

Version 4.1.1

Release date

June, 8th 2018

Main new features / bug fixes

LIS200 devices

- Parametrization for FTP-Transmission improved
- More names are now shown in the tree part of the parametrization.
E.g. the receiver name in the telephone book
- Support for fixed communication intervals smaller than "hourly"
- Bug fix for the first versions of DL240 and EK260 devices:
Switching from or to time windows including midnight did not work correctly.
- WPP-Files for DL230 V1.01
- Position of the CP-Value changed for DLs

Version 4.1

Release date

April, 10th 2018

Main new features / bug fixes

General

- Support of modem communication for DSfG

NPP devices:

- Support DSfG for FC1 in normal mode
- Support Q.Sonic Firmware V2.11

gas-net devices:

- Bug fix: 'select modem type'
- 'set counters' added in function 'end of commissioning'

Version 4.0.2

Release date

March, 6th 2018

Main new features / bug fixes

NPP devices

- Support FC1 03-28-A with MID approval
- New MODBUS register format 'counter (fractional part)' available
- 'Chromatograms' action removed for Q2 devices
- Bug fix: Problem after closing enSuite with open USB connection

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Version 4.0

Release date

January, 4th 2018

Main new features / bug fixes

General

- Support of gas-net parameterizations

NPP devices

- Support FC1 03-27-A

LIS200 devices

- ComTCPServ - autobaud feature added

Version 3.11.1

Release date

November, 24th 2017

Main new features / bug fixes

NPP devices

- Fixed missing CRCs in data books (ZM1, BM1, FC1)

Version 3.11

Release date

November, 23th 2017

Main new features / bug fixes

NPP devices

- Support BM1 03-26-A
- Support ZM1 03-24-A with updated AFBs DSfG 3-10-B and Notification 03-00-B
- Allow for renaming of streams (ZM1, FC1, BM1)
- Daylight savings settings now consistent in expert mode and normal mode
- Improvements in data book (ZM1, FC1, BM1)

LIS200 devices

- Support DL230 V1.10
- Support EK280 V2.51

Version 3.10.1

Release date

September, 22nd 2017

Main new features / bug fixes

NPP Devices

- Support FC1 03-25

File: enSuite_Change-history_V48

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- DSfG connection via USB possible

Version 3.9.2

Release date

July, 21st 2017

Main new features / bug fixes

LIS200 Devices

- Bug fix: DL230 time window overview was broken
- EK290 Compressibility Factor Calculation: Gost30319-3 added

Version 3.9.1

Release date

July, 18th 2017

Main new features / bug fixes

NPP devices:

- support ZM1 03-24-A
- support FC1 03-24-A

Version 3.9

Release date

July, 12th 2017

Main new features / bug fixes

General

- Chinese translation updated.
- Support remote operation panel of gas-net devices via DSfG

NPP devices:

- support Q.Sonic 2.10

LIS200 devices:

- Support for parameterizing ComTCPServ Modem
- Support for FTP functionality (next version of EK280 V2.50 release planned for 1st October 2017)
- Data book for EK205-T added
- Bug fix: DLs: Captured values are not displayed if encoder mode is active
- Bug fix: The Modbus map could not be transferred between older devices series and EK280

Version 3.8.3

Release date

March, 16th 2017

Main new features / bug fixes

File: enSuite_Change-history_V48

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NPP devices:

- Support Q2 03-08

LIS200 devices:

- Disconnect behavior improved

Version 3.8.2

Release date

February, 13th 2017

Main new features / bug fixes

LIS200 devices:

- Databook for EK205-T added
- Time sync output mode: Source selection of EK output 2 corrected
- Time sync output mode: Additional sources for DLs added

Version 3.8.1

Release date

December, 16th 2016

Main new features / bug fixes

NPP devices:

- Bugfix: Print ZM1 data book including I/O configuration and CRCs

Version 3.8

Release date

December, 1st 2016

Main new features / bug fixes

NPP devices:

- Support FC1 03-22
- Support MC1 03-22
- Support Q2 03-07
- Allow switchback to normal mode in some cases
- Support 'End of commissioning' in normal mode online parameterization
- Editable templates for print jobs via enSuite

LIS200 devices:

- Extensions for future device versions EK280 V2.50 and DL230 V1.10
- Compressibility calculation parameters were not available for EK260 V2.21

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Business Segment Electronic Systems

Version 3.7.1

Release date

November, 11th 2016

Main new features / bug fixes

General:

- Chinese translation updated

NPP devices:

- Support GasLab Q2 03-06

LIS200 devices:

- French data book (EK series) reviewed

Version 3.7

Release date

October, 21st 2016

Main new features / bug fixes

NPP devices:

- Support enCore MC1 03-21
- Support missing gas components C6H6, C6H12, C7H8, C7H14 in normal mode (FC1 and ZM1)
- Allow for drag&drop in expert mode gas components table

LIS200 devices:

- Compressibility factor and conversion factor were not displayed correctly for EK260
- Improvements for EK260 support
- AGR Export for archives is now restricted to measurement archives
- Texts for French EK200 data books added and shortened

Version 3.6

Release date

September, 20th 2016

Main new features / bug fixes

General:

- enSuite requires Java 8 installed
- Shortcut F5 for the 'Refresh' action added

NPP devices:

- Support for the new device enCore ZM1
- Support DSfG communication including archive readout
- Databook for ZM1, printable Modbus lists and parameter lists (without Modbus) for ZM1 and FC1
- Added invert parameter (Message output) to FC1 and ZM1 normal mode

LIS200 devices:

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- Support for new features of EK280 V2.40
- Support for EK205 V1.01
- Support for EK220-T
- Data book design improved
- ComFTP: Date and time added to the overview page
- Saved parametrizations: APN and FTP server passwords will be restored now
- Data books also appeared under saved parametrizations

Version 3.5

Release date

March, 9th 2016

Main new features / bug fixes

General:

- 64bit setup additionally available. enSuite does no longer need 32bit JRE to be installed
- Options dialog allows to configure when the output window opens

NPP devices:

- Full support of FC1 03-04-A release
- Minor improvements in Modbus configuration
- Generally floating point values are accepted and displayed in separator for active locale; additional acceptance of dot as decimal separator in German locale removed to avoid misunderstandings

LIS200 devices:

- Support of EK205 (for the time being only for countries outside the European Union)
- The online parameterization opens automatically after a connection is established
- Parameterization: Parameters can be searched via CTRL-F or via the search action
- Online parameterization: Selected rows are read before other rows. Helpful for slow data connections
- Available COM ports can be detected
- Passwords and Pins are hidden in parameterization tables
- Data books in French language are available for all EKs
- The compressibility calculation parameters can be set for EK260 Version 2.40
- EK data books: The meter section is empty if no meter type is set

Version 3.4

Release date

November, 10th 2015

Main new features / bug fixes

General:

- Assistance Window removed. The language can be changed in the options dialog
- Czech translation added

NPP devices:

- Full support for FC1 03-03 release
- Support of all previous Q.Sonic plus releases 2.3, 2.5, 2.6, 2.7 and 2.8
- Several improvements in normal mode

LIS200 devices:

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- Support of EK290 (only for Russia)
- Support of ComFTP Parameterization (Modem Application)
- Manufacturer ID according DIN 43863-5 added
- More range selection options on “Current Archive Content” page
- Further improvements in parameterization:
 - Current values are shown in the parameterization of SMS layouts and sub-menu 'User values' (sub-menu for user-specific parameters of the device display)
 - Save parameterization: Improvement in location selection (device or/and product parameterization)
 - Time sync output: The interval can now be selected directly (instead of entering the corresponding object code)
 - Option to clear the SMS buffer
- User lists: The user lists can now be sorted via drag and drop. If a new user list is added, the user is asked to choose the new name.

Version 3.3

Release date

September, 4th 2015

Main new features / bug fixes

General:

- Java 7 required. Will only be supported for limited time (Java 8 coming)

NPP devices:

- Support of Station AFB 03-02
- Support of Q.Sonic releases 2.7 and 2.8 (no separate enSuite version required any more)
- Several additions to normal mode, e. g. time synchronization via Modbus, use of gauge transmitter, GQ measurement via Modbus, consumptions additionally available for current hour
- Nice dialog for the AFB Table Z
- Possibility to delete the content of an archive in an NPP device via enSuite

LIS200 devices:

- WPP files can now be loaded per drag and drop in the ‘Send parameter file’ window.
- The advanced connection settings (timeouts, device address ...) can be modified again for LIS200 devices without DLMS/COSEM communication.
- Navigation: Saved parameterization can now be viewed by double clicking on the node in the navigation
- Navigation: Archives are now sorted by Instance

Version 3.2.2

Release date

August, 5th 2015

Main new features / bug fixes

General:

- Online help amended with content formerly available in separate PDF document on Elster homepage
- Windows 8 compatible

NPP devices:

- Support FC1 release 03-02-A (including MID approval)

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- New AFB TableZ

LIS200 devices:

- The software debounce parameters of inputs can be set
- The description of the values in the User list can be changed again

Version 3.2.1

Release date

May, 18th 2015

Main new features / bug fixes

NPP devices:

- enSuite 2.8.1 contains only one bug fix: Intelligent measurement devices are not shown for MFE7 RSA-RSB in Expert Mode

LIS200 devices:

- For LIS200 devices customers, enSuite 3.2 is as good as enSuite 3.2.1.

Version 3.1

Release date

March, 11th 2015

Main new features / bug fixes

General:

- Updated translation Spanish and Chinese
- Text in the closing dialog changed in the case that the parameterization view should be closed with unsaved changes ('There are changes ... Transfer now?' instead of 'There are changes ... really close?')
- If files cannot be imported, an error dialog is now displayed

NPP device:

- Support of FC1 release 03-01
- New USB driver - important for compatibility with Windows 8
- Expert mode: Better structuring of parameters at some places
- Automatic selection of compatible AFB versions if version for basic system is changed
- New concept for controlling memory usage (instead of max. of 100 credits)
- Further improvements in Modbus configuration.
- Archive readout via Modbus now also configurable in Normal mode.

LIS200 devices:

- A Parameterization can now be read out of a device and saved in the enSuite database as well as reloaded to the device
- Parameter Qmin and Qmax for the function of volume correction added in parameter tree
- The output permissions can now be set for the EK280 V2.30
- When viewing LIS200 addresses as values also the short term is now displayed.
- Devices with Cyrillic display are now handled correctly
- Text Correction: The customer name was designated as customer number.
- All 'old' LIS200 device types are now available in the 'New' dialog.
- The 'trend' function (part of function 'user lists') continuous reading when a connection is re-established.

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Version 3.0.1

Release date

January, 1st 2015

Main new features / bug fixes

NPP devices:

- The instruction for updating NPP devices from version 02-x to version 03-x has been extended for better information in context of firmware update.

LIS200 devices

- Data books in German language for devices of the DL-series can be created again.
- The archive readout for the DL240 is now possible.

Version 3.0

Release date

December, 16th 2014

Main new features / bug fixes

General:

- Order of devices in navigation tree can now be chosen by the user.
- New structure "Favorites" available - this allows to order devices in user-defined structure.
- Folder 'Favorites' added to group devices into user-specified folders.
- The devices in Folder 'My Device' can be sorted by various criteria.
- Additional language "Chinese" available (translation of online help contents will follow for enSuite 3.1)

NPP devices

- Improved user friendliness for FC1 parameterizations - introducing normal mode and wizard to create new parameterizations for standard use cases.
- Full support of FC1 03-00-A release
- Support for AFB Printer
- Support for AFB Orifice

LIS200 devices

- Support for 'old' devices of the DL-series: DL210, DL220, DL240 (from version 2.00)

Version 2.8.2

Release date

January, 5th 2015

Main new features / bug fixes

This version includes support of the Q.Sonic-plus release 2.7.

The version is only for use together with Q.Sonic-plus as a more up to date version (enSuite 3.0) is available for all other use cases.

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Version 2.8.1

Release date

September, 15th 2014

Main new features / bug fixes

NPP devices:

- For FC1 and Q.Sonic-plus customers, enSuite 2.8 is as good as enSuite 2.8.1.

LIS200 devices:

- enSuite 2.8.1 contains a small bug fix for enSuite 2.8 in context of EK280.

Version 2.8

Release date

September, 3rd 2014

Main new features / bug fixes

General:

- Fixed some issues concerning export to Excel
- All device types can now be created with action 'New'
- Automated detection of the data format during establishing a session is now supported
- Archives which contain only the archive internal order number (no time stamp and no global order number are existing) can be read and displayed in the visualization module

NPP devices

- Support of G260 AFB
- Support of new NPP device MC1

LIS200 devices

- Updated WPP files and corrected WPP file version detection

Version 2.7

Release date

August, 13th 2014

Main new features / bug fixes

General:

- AGR file export
- CSV file export
- Direct export archive data to Excel out of the visualization module
- Locale change now requires a restart. Locale change at runtime is only possible with developer rights and known restrictions (not all content is directly changed).
- A connection establishment process can now be canceled.
- A notice is now displayed in case a device disconnection is requested and not all changes are transferred.
- For the readout of process data an interval of 2 seconds can now be set.
- The protocols available on a device interface (such as DLMS, Modbus ...) can now be easily configured.
- If an already existing device will be achieved by using different or new connection parameters in the search

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dialog, the parameters can now be transferred directly to the device connection parameter.

LIS200 devices

- Improved support for new Data Logger DL230
- Support for 'old' devices of the EK-series: EK260, EK230, EK220, EK210
- The file index of WPP files is now displayed.

Version 2.6

Release date

April, 15th 2014

Main new features / bug fixes

General

- CSV export of archives and single archive readouts
- AGR file import: Detailed options dialog page to set additional import parameter (e.g. date & time format)

NPP devices

- Full support of FC1 02-14-A release
- Resolved problems when setting counters via USB connection.

LIS-200 devices (EK280):

- Parameterization of flexible archives
- Special table type for values that contain multiple information (e.g. time stamp & status in addition to the value itself)
- User interface to parameterize the call acceptance window improved
- Clock adjustment: Calculate clock adjustment value from measured period.
- Pressure & Temperature adjustment: Read out binary values for continuously & possibility to set an unchanged value again (e.g. Pressure value during the sensor adjustment process)

Version 2.5

Release date

January, 6th 2014

Main new features / bug fixes

General:

- Readout archives - The start time of the read out process is now automatically set to 00:00:00
- Visualization - After starting the most recent values are displayed.

NPP devices

- Not all parameters of NPP devices allow to be set to "unused" (implementation together with NPP release 02-13)
- Full support of FC1 02-13 release
- Additional online help - short description for all SFBs in German and English (other languages together with next translation)
- Copying internal names for parameters and export data objects now alternatively possible using MMS format (\$ instead of dot).

LIS200 devices (EK280):

Parameterization & Analysis Software enSuite

Change history

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- Bug fix: Each archive reading creates new archives rather than to expand the existing one.
- Bug fix: In some cases, enSuite has become unresponsive when function 'Set to PC Time' was used.
- Changes of parameters in user lists can now be withdrawn.
- GSM Parameter 'SMSC service No.' added.
- The station name will only be applied during the automated creation of a device if it is not "Name_x".

Version 2.4.1

Release date

November, 28th 2013

Main new features / bug fixes

General:

- French language: Resolved problems with online help. Additional texts translated.

NPP devices

- FC1: Resolved problem with invalid parameterization after firmware downgrade

LIS-200 devices (EK280):

- Online parameterization: Overview page with basic device information added. / Function "Set to PC" adapted.
- Data Book: Description of the conducted actions (stored in EK280) can be edited (EK280 from V2.20) / several terms used in the data book improved.
- Modbus configuration (client): Works now also for EK280 V2.20.
- Visualization: Value Vo (<i>: 240) is now recognized as a meter reading.
- AGR file Import: A date with a dot after the year is now accepted.
- Others: French translation updated. / WPP files updated. / The 'connection status' terms in English language corrected.
- DLMS devices (EK280): Installation views for EK280 adjusted

Version 2.4

Release date

October, 2nd 2013

Main new features / bug fixes

General:

- New version of the installation program is used. Problems with obsolete messages on Windows 7 are resolved with this version.
- Progress bar while reading the Online parameterization added.

NPP devices:

- New version of the MMS stack used. Communication with old and new versions of NPP devices should not be changed.
- Full support of FC1 02-12 release

LIS200 device (EK280):

- Parameter tree of the Online parameterization restructured (similar to EK280 V2.20).
- Parameterization of the SMS send function added.
- Parameterization of the Modbus function (client and master) added.
- Support of Counter synchronization function added.

Parameterization & Analysis Software enSuite Change history

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- Modem settings extended (Dial prefix, hang up with AT H).

Version 2.3.1

Release date

August, 14th 2013

Main new features / bug fixes

General:

- Minor bug fixes and improvements

NPP devices

- Full support of FC1 02-11-C releases

Version 2.3

Release date

July, 5th 2013

Main new features / bug fixes

General:

- Selection of service / developer rights is no longer possible for normal users. Special file can be given to those who need access - the file is imported in enSuite, after importing additional selection possibilities are available.
- Information about the build number is additionally available in the About dialog (especially useful during test).

LIS200 devices:

- Data book for EK280
- Parametrization of access rights for outputs

Version 2.2.2

Release date

June, 14th 2013

New features / bug fixes

NPP devices:

- Full support of FC1 02-11-A release
- Improved description of preprocessing functionality in online help
- Removed support of outdated Enagas AFB (use Station AFB instead!)
- Login on device can be used for enSuite operation (login has to be performed after enSuite shows login dialog)

Parameterization & Analysis Software enSuite Change history

Business Segment Electronic Systems

Version 2.2

Release date

March, 28th 2013

Main new features / bug fixes

General:

- Masterviews are now always opened in new windows (context menu "in new tab..." no longer available)

NPP devices:

- Full support of FC1 02-09-A release
- Support of pre-alarms in preprocessing of NPP devices (adaptation of nice dialog for keypad values)
- Support of archive readout via Modbus for NPP devices (addition / update of nice dialog for Modbus AFB)
- Updated Spanish translation

Version 2.1.1

Release date

February, 26th 2013

Main new features / bug fixes

NPP devices:

- For FC1 and Q.Sonic-plus customers, enSuite 2.1 is as good as enSuite 2.1.1.

LIS200 devices

- enSuite 2.1.1 contains a small bug fix for enSuite 2.1 in context of EK280.

Version 2.1

Release date

February, 18th 2013

Main new features / bug fixes

General:

- Copying parameters from one parameterization part to another parameterization part is possible
- Default font size is set according to size of Windows font (Note: Manual overwrite to other font size with parameter --font size <size> is still possible).

NPP devices:

- FC1 02-08-A release additionally supported
- Support of FARC files for different approvals in context of user rights for NPP devices

LIS200 devices:

- Management of LIS200 parameter files (WPP files): Functions to import & update WPP file packages as well as to export and transfer individual files
- Archive Visualization: Possibility to display plain text instead of LIS200 address information in audit trail and log book
- LIS200 master views: 'Reconnection' a master view again after a connection is re-established
- Set the device time in LIS200 devices: The device time can be synchronized directly with the PC time in

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consideration of the device settings (e.g. time zone, daylight saving time option)

- Extended settings for LIS200 connection establishment (IEC timeouts & device address)
- LIS200 device function 'read and set single parameters' adjusted: Multiple addresses in multiple lines possible (acc. to function in WinPADS)

Version 2.0.1

Release date

December, 14th 2012

Main new features / bug fixes

NPP devices:

- For FC1 and Q.Sonic-plus customers, enSuite 2.0 is as good as enSuite 2.0.1.

LIS200 devices:

- enSuite 2.0.1 contains a small bug fix for enSuite 2.0 in context of EK280.

Version 2.0

Release date

December, 12th 2012

Main new features / bug fixes

NPP devices:

- Support of user rights
- Parameterization: Gas components can be switched between import / constant / not used for all components at once.
- Updated online help contents for AFB Gas quality (now also fits for second base condition)

LIS200 devices

- Improvements for EK280