

Smart view SE Release 5.50 (62133) - 2024-Apr-10

Product changes of "Smart view SE" Release 5.50, which is a package of the following 4 applications:

- "Smart view"
- "DataVisualizer"
- "Page Editor"
- "SCADApter"

(Changes against previous released "Smart view SE", Release 5.40, Build 61357)

Product changes in Application Smart view, Release 5.50 (Build 62133)

New Features:

- Task #106616: Smart View: Provide "Modbus Tunnel" Connection. Take over from PowerPortE
- Task #106635: Smart view does not give me the chance to save changes if the file is read-only.

Bug Fixes:

- Smart view: "Save as" did not work as expected
RM#106622
- Smart View: backward compatibly issue to old Edition1
RM#105586
- Smart view shows empty dialog.
RM#106556

Product changes in Application DataVisualizer, Release 5.40 (Build 59291)

Bug Fixes:

- Help could not be opened.
RM#106875

Release 5.40 (61357) - 2023-Nov-20

Product changes of "Smart view SE" Release 5.40, which is a package of the following 4 applications:

- "Smart view"
- "DataVisualizer"
- "Page Editor"
- "SCADApter"

(Changes against previous released "Smart view SE", Release 5.30, Build 60012)

Product changes in Application Smart view, Release 5.40 (Build 61357)

New Features:

- WIC1g2 Fault-/(Alarm)-Recorder
- WIC1g2 Deliver new WIC DM 2.1 (Modbus TCP)

Modified Features:

- Update of third party BCGControl to improve Windows 11 compatibility
- Support IEC61850 Edition 2
- Overcurrent Protection: tMin support in Smart view / PP-E: For Thermal Flat Curve t-Min setting in not relevant and shall not be considered in case of drawing the characteristic.
RM#105507
- Pass DeviceModel folder to PageEditor and SCADApter Fix
RM#105535
- For Thermal Flat Curve t-Min setting in not relevant and shall not be considered in case of drawing the characteristic.
RM#105507

Bug Fixes:

- Smart View: Windows - View histogram was is not properly shown
RM#105068
- Pass deviceModelFolder to PageEditor and SCADApter
RM#105535
- backward compatibly issue to old Edition1
RM#105586
- Autodetect Ed1 or Ed2 according to the given SCD file
RM#105585
- Smart view runs out of memory while exporting an ICD Edition 1
RM#105557

Product changes in Application DataVisualizer, Release 5.40 (Build 59291)

Modified Features:

- Update of third party BCGControl to improve Windows 11 compatibility

Bug Fixes:

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Product changes in Application "Page Editor", Release 1.7 (Build 59441).

Bug Fixes:

- Fixed some symbols in the symbols library
RM#41769
- Fixed dm_search_path command line parameter
RM#105672

Modified Features:

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Product changes in Application "SCADapter", Release 1.6-1 (Build 58371).

- Additional command line option to export Excel datapoint Lists

Bug Fixes:

- Fixing Profibus exel export which leads to a unhandled exception
#106526

Modified Features:

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New Features:

- Extended support for for HighPROTEC and WIC1g2 Modbus
= Release 5.20 (58625) - 2023-Jan-20 =

Product changes of "Smart view SE" Release 5.20, which is a package of the following 4 applications:

- "Smart view"
- "DataVisualizer"
- "Page Editor"
- "SCADapter"

(Changes against previous released "Smart view SE", Release 5.10, Build 58062)

Product changes in Application Smart view, Release 5.20 (Build 58176)

New Features:

- Support SEG certificate (for Eaton release) and Woodward certificate
- Use Modbus tunnel without encryption.

Modified Features:

- Increase DM_VERSION_SYNTAX: 14 -> 15 ("versionSyntax")
- We want to explicit force an update of SV to R5.20.
- Use latest Modbus tunnel for new releases (driven by Eaton devices.)

- Smart View: Peak Pointer does not show a measurement overflow
RM#104859

Bug Fixes:

- SmartView -- Python API not functional: Fixing the DLL TLS_PROXY_Init
RM#105076
- SmartView -- R5.10 shows only "strange error" when trying to connect to Platform R3.8 with Security Version 2. Increase max support service version
RM#105074
- SmartView -- After using Modbus tunnel Power-Port E connection over ethernet does not work
RM#105073
- SmartView -- Review and Handle "Set to Default for DeProjected Modules" in datamodeltohmi
RM#105027
- SmartView -- Default length of "Definition list is too long Multiplied GetSystemMetrics(SM_CYSCREEN) with 0.7 to reduce the hight of project engineering hight
RM#104988
- SmartView -- PP-E uses the wrong threshold value to draw the characteristics for 51X instances and does not show reset characteristics when the threshold is below 0.03In
RM#104289

== Product changes in Application DataVisualizer, Release 5.30 (Build 53297) ==

=== Modified Features: ===

=== Bug Fixes: ===

Product changes in Application "Page Editor", Release 1.7 (Build 49440).

Bug Fixes:

Modified Features:

Product changes in Application "SCADapter", Release 1.5-1 (Build 58371).

- SCADapter needs to be Eatonized
- Additional command line option to export Excel datapoint Lists
=== Bug Fixes: ===
- SCADapter CSV export may abort due to unicode characters used in help texts
- Write the csv file with utf-8 encoding
- SCADapter - Profibus config save aborts with unhandled exception
- Fixed this issue, accepting dataobjects not supporting the localId attribute. (localIds are currently only used in WI-Line)
RM#105147
- Create ETR-5000 Modbus SMap file
- Script to generate HptSMap file from ModbusAddressMap and DeviceModel
RM#105100

Modified Features:

New Features:

Release 5.10 - 1 (58496) - 2023-Jan-06

Product changes of "Smart view SE" Release 5.10-1, which is a package of the following 4 applications:

- *"Smart view"*
- *"DataVisualizer"*
- *"Page Editor"*
- *"SCADApter"*

(Changes against previous released *"Smart view SE"*, Release 5.10, Build 58062)

Product changes in Application "SCADApter", Release 1.5-1 (Build 58371).

Bug Fixes:

- Fix: The creation of Profibus SMap files failed with an unexpected exception.
RM#105147
- Fix: The CSV Export could fail for due to special characters in names or help messages.

Release 5.10 (58062) - 2022-Nov-07

Product changes of "Smart view SE" Release 5.10, which is a package of the following 4 applications:

- "Smart view"
- "DataVisualizer"
- "Page Editor"
- "SCADApter"

(Changes against previous released "Smart view SE", Release 5.00, Build 57994)

Product changes in Application Smart view, Release 5.10 (Build 58062)

New Features:

- Display Histogram graphic view (currently only available in WIC1-2)
- Display Ammeter graphic view (currently only available in WIC1-2)
- Display Vector diagram view

Modified Features:

- For WIC1-2 R2.0 - Enforce update of Smart view to R5.10.
- WIC1-2: Switch off option to change single parameter. "Transfer only Changes Settings" Button is disabled to avoid inconsistency/implausible Settings in WIC-Device
RM#104914

Bug Fixes:

- Smart view declares implausible setting on correct (value) DirctCtrl
- Check direct control dependencies only if required
RM#104326
- Smart view may create implausible settings in the WIC1-2 on transferring "changed settings" only. Switch off button/command "transfer only changed settings"
RM#104914
- Smart view Translation corrections (english)
RM#104787
- "Read failure" in auto refresh mode if parameter changed by DiggiMec
RM#104808

Product changes in Application "SCADApter", Release 1.5 (Build 57655).

Bug Fixes:

- SCADApter shows SCADA protocols which are not available for the OEM devices.
RM#104291
- SCADAPTER: IEC103+104: Excel Datapoint Documentation
RM#103839

New Features:

- New command line option to export the excel or csv file.
RM#103839
- New command line option --dm-clear-cache to handle not identified Device Model files.
RM#103791

Release 5.0 - 1 (57995) - 2022-Oct-25

(Changes against previous released "*Smart view SE*", Release 5.00-1, Build 57205)

Product changes in Application Smart view, Release 5.00-1 (Build 57995)

No functional change

Bug Fixes:

The previous Release did not collect Smart view application having the "released" status set.

Release 5.0 - 1 (57205) - 2022-Sep-06

(Changes against previous released "Smart view SE", Release 5.00, Build 56383)

Product changes in Application Smart view, Release 5.00-1 (Build 57205)

Bug Fixes:

- Smart view: WIC PC4 Adapter - Cannot connect localhost 52164 Improvements, but I cannot localize the failure, because the failure is gone.
RM#104555
- Smart View: False Implausible marker at tree item, if direct control dependencies used.
RM#104136
- Smart view declares implausible setting on correct (value) DirctCtrl. Check if device is connected and direct control value is not "?"
RM#104326:
= Release 5.0 (56383) - 2022-May-02 =

(Changes against previous released "Smart view SE", Release 5.00, Build 56242)

Product changes in Application Smart view, Release 5.00 (Build 56383)

Bug Fixes:

- Allow multiple Smart view to WIC (g2) connections.
RM#103795

Release 5.0 (56265) - 2022-Apr-08

Product changes of "Smart view SE" Release 5.0, which is a package of the following 4 applications:

- "Smart view"
- "DataVisualizer"
- "Page Editor"
- "SCADApter"

(Changes against previous released "Smart view SE", Release 4.90, Build 50565)

Product changes in Application Smart view, Release 5.00 (Build 56242)

New Features:

- Support of WI Line (V2) Devices
- Optional Display of Three Phase Measurement as Vector Diagram
- Added Connect/Disconnect option in Menu "View". It connects/disconnects without closing all open dialogs.

Modified Features:

- Display the Device Time at the Toolbar of some Recorder Windows (e.g. Event-, Fault-, Disturbance-Recorder).
- Display only fault records, which are stored on connected device.
- Set first selection item of password level to active

Bug Fixes:

- Connection issue via USB-Front-Interface if other program use the Smart View private port 52163. Ports can be define via Registry. Keep internal TLS proxy connection open as long device is connected.
RM#103608
- Red question mark in Tree-View not removed after reworking the implausible configuration.
RM#103710
- Update referenced component "HPT_Chart_Data": Bug Fix for "Eaton Cooper" characteristic "EF"
RM#102775

Release 4.90 (50965) - 2020-Dec-14

Product changes of "Smart view SE" Release 4.90, which is a package of the following 4 applications:

- "Smart view"
- "DataVisualizer"
- "Page Editor"
- "SCADApter"

(Changes against previous released "Smart view SE", Release 4.80, Build 47593)

General Product changes in "Smart view SE" Setup Application

- Installation folder changed from "Woodward" to "SEG"

Product changes in Application "Smart view", Release 4.90 (Build 50964)

Modified Features:

- Change company brand from "Woodward Kempen GmbH" to "SEG Electronics GmbH"
- Converting parameter: Do not display an added value, if this value is currently not visible.
RM#99656

Bug Fixes:

- Editing of specific temperature value and usage of Fahrenheit is activated.
RM#94231
- Display of "Time Overcurrent" Characteristic charts supports now lower setting values which could be used for the sensitive setting range.
RM#101144
- Display of "Time Overcurrent" + "Thermal Overload" Characteristic charts consider now the dynamic ranges of the different current sources.
RM#101159
- Improvement/Fix of "Unbalance" Characteristic charts with finer resolution and correct starting point in the range 2.0 - 10.0.
RM#101273

Product changes in Application "DataVisualizer", Release 5.20 (Build 50560)

Modified Features:

- Change company brand from "Woodward Kempen GmbH" to "SEG Electronics GmbH"

Bug Fixes:

- In seldom use cases the application name was not displayed correct in the "Program Information" Dialog.
RM#94102

Product changes in Application "Page Editor", Release 1.7 (Build 49440).

Modified Features:

- Change company brand from "Woodward Kempen GmbH" to "SEG Electronics GmbH"

Product changes in Application "SCADapter", Release 1.3 (Build 49350).

Modified Features:

- Change company brand from "*Woodward Kempen GmbH*" to "*SEG Electronics GmbH*"

Release 4.90 (50939) - 2020-Dec-11

Product changes of "Smart view SE" Release 4.90, which is a package of the following 4 applications:

- "Smart view"
- "DataVisualizer"
- "Page Editor"
- "SCADApter"

(Changes against previous released "Smart view SE", Release 4.80, Build 47593)

Product changes in Application "Smart view", Release 4.90 (Build 50939)

- Pre-release version for customer review
= Release 4.80 (47593) - 2020-Apr-23 =

Product changes of "Smart view SE" Release 4.80, which is a package of the following 4 applications:

- "Smart view"
- "DataVisualizer"
- "Page Editor"
- "SCADApter"

(Changes against previous released "Smart view SE", Release 4.71, Build 43483)

Product changes in Application Smart view, Release 4.80 (Build 46736)

New Features:

- Support of additional Professional Line Devices: XRI1-ER, XRI1-IE, XRI1-XR, XI1-S-1, XI1-S-5
RM#70827
- Support of additional HighTechLine Device: MRI3-IXR
RM#79181

Modified Features:

- Adapted application layout (e.g. colors, toolbars)
RM#75069

Bug Fixes:

- Characteristic Curve for IG if Sensitive Measurement is used
RM#68978
- Display of decimal places for the min/max range.
RM#75647

Product changes in Application DataVisualizer, Release 5.10 (Build 46707)

Modified Features:

- Adapted application layout (e.g. colors, toolbars)
RM#77777

Product changes in Application "Page Editor", Release 1.6 (Build 46892).

Bug Fixes:

- Do not display "Under Construction" image for official support devices
RM#69335 RM#75625
- Enable the Romanian language selection
RM#91726
- Menu items and symbol attributes, which are only visible in serviceinfo mode, are no longer enclosed in curly braces.
RM#91772

Modified Features:

- Adapted application layout (e.g. colors, toolbars)
RM#77776

Product changes in Application "SCADapter", Release 1.2 (Build 47585).

New Features:

- Support Profibus
RM#69280
- Support IEC-60255-103
RM#31070

Modified Features:

- Adapted application layout (e.g. colors, toolbars)
RM#77776
- Application manuals also for the languages Spanish, French, Polish, Portuguese, Romanian, Russian

Release 4.80 (47563) - 2020-Apr-22

Product changes of "Smart view SE" Release 4.80, which is a package of the following 4 applications:

- *"Smart view"*
- *"DataVisualizer"*
- *"Page Editor"*
- *"SCADApter"*

(Changes against previous released *"Smart view SE"*, Release 4.71, Build 43483)

Product changes in Application Smart view, Release 4.80 (Build 47563)

- Pre-release version for customer review

Release 4.71 (43539) - 2019-May-29

Product changes of "Smart view SE" Release 4.71, which is a package of the following 4 applications:

- *"Smart view"*
- *"DataVisualizer"*
- *"Page Editor"*
- *"SCADAPTER"*

(Changes against previous released *"Smart view SE"*, Release 4.70, Build 41375)

Product changes in Application Smart view, Release 4.71 (Build 43466)

Bug Fixes:

- The default decimal places of float values remain constant.
RM#75309

No product changes in Application DataVisualizer, Release 5.0 (Build 41089)

Product changes in Application "Page Editor", Release 1.5 (Build 43513)

Bug Fixes:

- Do not display "Under Construction" image for official support devices
RM#69335 RM#75625

No product changes in Application "SCADAPTER", Release 1.0 (Build 41369)

Release 4.70 (41375) - 2019-Feb-06

Product changes of "Smart view SE" Release 4.70, which is a package of the following 4 applications:

- "Smart view"
- "DataVisualizer"
- "Page Editor"
- "SCADAPTER"

(Changes against previous released "Smart view SE", Release 4.60, Build 37753)

Product changes in Application Smart view, Release 4.70 (Build 41343)

New Features:

- Support devices with User Defined SCADA configuration.
RM#53974
- Support devices with encrypted communication.
RM#49844
- Display Characteristic Curves for Phase Fault Direction and Ground Fault Direction (including Watt Metric).
RM#61552

Modified Features:

- IEC 61850 validation: Limit GOOSE subscription to 'GOSINGGIO'
RM#61126
- Disable "Parameter Copy" and "Parameter Compare" commands, if loaded device has only ONE Parameter Set.
RM#54390
- Minor extension for the application Status Bar: Display also the Device Type and Version of the currently loaded device.
RM#66018
- General update of the "Smart view" manuals.
- Help content is now based on the same text as the separate "Smart view" manuals.

Bug Fixes:

- Display Overcurrent characteristic for invers curves according to IEC 60255-151: Trip curve limiter has to be at $(20 * I_{>})$ and NOT $(20 * I_n)$.
RM#61445
- Disable the display of the wrong characteristic curve for Thermal Model (ANSI 49)
RM#63338
- Avoids occasional application crash during disconnection of HLT3/PL/WIP devices.
RM#66019

Product changes in Application DataVisualizer, Release 5.0 (Build 41089)

New Features:

- Deliver "DataVisualizer" documentation also as PDF.

Modified Features:

- General update of the "DataVisualizer" HTML Online Help documentation.

Bug Fixes:

- Bug fix to read "OLD" HighPROTEC Disturbance Files which are not container based.
RM#66393

Product changes in Application "Page Editor", Release 1.5 (Build 40747).**New Features:**

- Added translations for Spanish (es), French (fr), Russian (ru), Romanian (ro) and Portuguese (pt) as available language in the application and the manuals.
- Provide an "Online Help" like Smart view in addition to the manuals in the PDF format.
- Improved some workflows by asking the user to load a device model if none is referenced or found.

Bug Fixes:

- Fixed a memory leak which occurred on opening and closing the device selection dialog.
RM#56140

Product changes in Application "SCADAPTER", Release 1.0 (Build 41369).**New Features:**

- New tool to map device specific data-points to protocol-internal addresses.
- First supported SCADA protocols in Release 1.0 are "Modbus" and "IEC-60870-5-104".

Release 4.70 (41161) - 2019-Jan-03

Product changes of "Smart view SE" Release 4.70, which is a package of the following 4 applications:

- "Smart view"
- "DataVisualizer"
- "Page Editor"
- "SCADAPTER"

(Changes against previous released "Smart view SE", Release 4.60, Build 37753)

Product changes in Application Smart view, Release 4.70 (Build 41111)

New Features:

- Support devices with User Defined SCADA configuration.
RM#53974
- Support devices with encrypted communication.
RM#49844
- Display Characteristic Curves for Phase Fault Direction and Ground Fault Direction (including Watt Metric).
RM#61552

Modified Features:

- IEC 61850 validation: Limit GOOSE subscription to 'GOSINGGIO'
RM#61126
 - Disable "Parameter Copy" and "Parameter Compare" commands, if loaded device has only ONE Parameter Set.
RM#54390
 - Minor extension for the application Status Bar: Display also the Device Type and Version of the currently loaded device.
RM#66018
 - General update of the "Smart view" manuals.
 - Help content is now based on the same text as the separate "Smart view" manuals.
- === Bug Fixes: ===
- Display Overcurrent characteristic for invers curves according to IEC 60255-151: Trip curve limiter has to be at $(20 * I_{>})$ and NOT $(20 * I_n)$.
RM#61445
 - Disable the display of the wrong characteristic curve for Thermal Model (ANSI 49)
RM#63338
 - Avoids occasional application crash during disconnection of HLT3/PL/WIP devices.
RM#66019

Product changes in Application DataVisualizer, Release 5.0 (Build 41089)

New Features:

- Deliver "DataVisualizer" documentation also as PDF.

Modified Features:

- General update of the "DataVisualizer" HTML Online Help documentation.

Bug Fixes:

- Bug fix to read "OLD" HighPROTEC Disturbance Files which are not container based.
RM#66393

Product changes in Application "Page Editor", Release 1.5 (Build 40747).**New Features:**

- Added translations for Spanish (es), French (fr), Russian (ru), Romanian (ro) and Portuguese (pt) as available language in the application and the manuals.
- Provide an "Online Help" like Smart view in addition to the manuals in the PDF format.
- Improved some workflows by asking the user to load a device model if none is referenced or found.

=== Bug Fixes: ===

- Fixed a memory leak which occurred on opening and closing the device selection dialog.
RM#56140

== Product changes in Application "SCADAPTER", Release 1.0 (Build 40950). ==

New Features:

- New tool to map device specific data-points to protocol-internal addresses.
- First supported SCADA protocols in Release 1.0 are "Modbus" and "IEC-60870-5-104".

Release 4.60 (37753) - 2018-May-24

Product changes of "Smart view SE" Release 4.60, which is a package of the following 3 applications:

- "Smart view"
- "DataVisualizer"
- "Page Editor"

(Changes against previous released "Smart view SE", Release 4.50, Build 35776)

Product changes in Application Smart view, Release 4.60 (Build 37284)

New Features:

- Support devices with additional communication password.
RM#43180
- Support devices with encrypted communication.
RM#49844
- Support devices with extended System Messages (e.g. with Information, Warnings and Errors).
RM#50827

Modified Features:

- Display of characteristics now with "Nominal current scaling" and not with "Multiple of pickup". Units of Axis scaling now displayed in more international standard.
RM#26869
- Specific USB driver for Windows 10 are only used for older Windows 10 versions.
RM#51120
- If a changed password should be empty, then the user has to confirm this.
RM#52298
- Support also PROFESSIONAL LINE device "XU2-AC".
RM#54492

Bug Fixes:

- Print of DDI values is also possible if print from tree item is used.
RM#48904
- Avoid application crash if Access Level is used, but DeviceModel without Access Level info is loaded.
RM#51204
- Avoid implausible setting values if values are received from device.
RM#51249
- Avoid increased memory consumption.
RM#52256

Product changes in Application DataVisualizer, Release 4.90 (Build 37249)

New Features:

Modified Features:

Bug Fixes:

- COMTRADE decoder does not crash if a huge number of channels are available.
RM#50712

Product changes in Application "Page Editor", Release 1.4 (Build 36750).

New Features:

- Additional symbol for Lockout Relays.
RM#50006

Bug Fixes:

- Application could crash if DeviceModel container file is corrupt.
RM#51810

Release 4.50 (35776) - 2017-Oct-13

Product changes of "Smart view SE" Release 4.50, which is a package of the following 3 applications:

- "Smart view"
- "DataVisualizer"
- "Page Editor"

(Changes against previous released "Smart view SE", Release 4.40, Build 33505)

Product changes in Installer "Smart view SE", Release 4.50

New Features:

- Supports a "silent" installation with command line options "/SILENT" or "/VERYSILENT" Additional command line option "/UNINSTOLD" for automatic uninstallation of older releases.
RM#47114

Modified Features:

- General Setup modification (for all installed applications) Register the file extension association (e.g.".HptPara") for ALL users now (and not only for the current user who installed the applications).
RM#33108

Product changes in Application Smart view, Release 4.50 (Build 35676)

New Features:

- Support of WIP LINE devices
RM#42388
- Support of more HIGH TECH LINE 3 and PROFESSIONAL LINE devices
RM#41588
- Additional characteristic charts e.g. "Phase Distance", "Out of Step", "Load Blinder" for next release of HighPROTEC MCDGV4 device.
RM#36943, RM#36957, RM#36962, RM#37067
- New "System Recorder" for devices which support this recorder.
RM#38864
- Support Devices with DeviceModel Version Syntax == 10 (e.g. for enhanced dependency check with "greater than").
RM#43876

Modified Features:

- Manual Device Time synchronization: Use the UTC time, if the device supports this.
RM#34985
- Enhancements for the Time Overcurrent characteristic charts (according to IEC 60255-151).
RM#41384
- Improvement for Loss of Excitation characteristic charts: Display Z-Directional only if activated and as one chart with the Mho circle.
- Allow editing of NOT RELEVANT setting value if it is implausible and display the Adaptive Set value also if it is not used but currently implausible.
RM#42501

- Improvement in DDI Assignment Dialog: If an assignment is removed from the "added Assignment" list, then it is put into the original order of the "Available Assignments" list (and not at the end of the list). Also some performance improvement for the display of the DDI Assignment.
RM#42818
- Default filenames of saved Recorder files are easier recognizable, now.
RM#45768

Bug Fixes:

- Set Date/Time on the Device Dialog: User will be informed now if the device use automatic time synchronization such like SNTP or IRIG-B.
RM#14071
- Set Date/Time on the Device Dialog: Avoid unexpected disconnection or check password failure.
RM#42155
- Displayed the wrong connected device for HTL3/PL/WIP connection if the device was changed.
RM#42644
- Bug fix in Time Overcurrent characteristic "ANSI MINV".
RM#30687
- Bug fix in Time Overcurrent characteristic if Thermal Characteristic is used.
RM#30691
- Bug fix in IEC61850 validation to allow the coexistence with IEC61850 Edition 2 devices within a substation configuration. This functionality is restricted to Smart views service info mode, which enables the option to update the IEC6850 configuration, even if the substation configuration isn't compliant with the IEC61850 Edition 1 schema.
RM#39623
- Bug fix in IEC61850 validation to support measured value references in GOOSE messages.
RM#40354
- Bug fix in IEC61850 validation to avoid an application crash when measurement data attributes are used in GOOSE control blocks.
RM#40083
- Bug fix in IEC61850 validation, removing an incorrect reference check for EnumTypes.
RM#43814
- Bug fix in Compare Setting File. Fix/Improvement if "hidden" values are displayed.
RM#45479
- Display also the "new" front panel for the special HighPROTEC releases 2.6.
RM#45517
- Improvement/fix to enable input of decimal places for HIGH TECH LINE 3 devices (e.g. MRG3).
RM#48538

Product changes in Application DataVisualizer, Release 4.80 (Build 35406)

New Features:

- Support of COMTRADE Export for COMTRADE Standard 2013 (IEC 60255-24, Edition 2.0).
RM#34152
- Add the option to invert the display of Digital Channels.
RM#38877

Bug Fixes:

Minor improvement and bug fix for time display in the status bar.
RM#32926

Minor Bug Fix in Time Slider window if channel color is changed.

RM#42493

Product changes in Application "Page Editor", Release 1.3 (Build 35354).

Bug Fixes:

- Fixed and unhandled exception using the Drag & Drop functionality for an entire folder.
RM#42312
- Replaced a too detailed warning message on dragging a symbol multiple times to the project.
RM#42308
- Prepared the Page Editor to show the correct device graphics for 2.6 releases.
RM#45476

Release 4.40 (33505) - 2017-Apr-19

Product changes of "Smart view SE" Release 4.40, which is a package of the following 3 applications:

- "Smart view"
- "DataVisualizer"
- "Page Editor"

(Changes against previous released "Smart view SE", Release 4.32, Build 31132)

Product changes in Application Smart view, Release 4.40 (Build 33152)

New Features:

- Support Remote Configuration of LineDiff devices
RM#29061

Modified Features:

- Move the Tab Control labels from the bottom to the top and add more info into this label.
- Each password input control has a preview option to see the entered password.
RM#35196
- Display device images which fits for PROFESSIONAL LINE devices which are now also supported.
RM#35784
- Improvement for the Serial or USB Connection settings if a connection is currently established (e.g. from another "Smart view" instance).
RM#35809
- Improvement for parameter converting if developer devices are used.
RM#35815
- Improvement for the RemoteConsole Client with timeout support if the device does not answer.
RM#36580
- Improvement to save Fault Recorder files to avoid snapshot file issue with DataVisualizer.
RM#32927
- Parameter File Compare has the option to take over setting values from the comparison file into the current loaded parameter settings.
RM#36855
- Support line break where DeviceModel helptext is displayed.
RM#36326
- Enhancement in the "Edit Parameter Dialog.
Selection values can be found/selected now additional with text input in the EditControl of the ComboBox.
RM#38234
- Minor EventRecorder Enhancement: Add option to clear the currently displayed entries.
RM#39619
- Minor improvement of the Date/Time representation: Add more spaces between Date and Time to be easier to read.
RM#40484
- Support Romanian language for the User Interface.
RM#40602

- Disturbance Recorder Enhancement: Add option to download ALL currently available records.
RM#40964

Bug Fixes:

- Supports now dependencies from a SingleSet to a MultiSet with LocalSet values.
RM#34362
- Bug fix for the additional supported PROFESSIONAL LINE devices.
Fix the selection of the recently used device in the Create new Parameter File Dialog.
RM#35741
- Bug fix for HIGH TECH LINE 3 device MRR1.
RM#35901
- Bug fix in "Edit Parameter Dialog" if a value is inserted via Windows Clipboard.
RM#38317
- Application does not exits properly if "Accessibility Support" is enabled.
RM#38572
- Improvement/Fix in ListView MDI Window which displayed an uncompleted scrollbar.
RM#39561
- Unexpected display of the Characteristic Curve Icon.
RM#39580
- Improvement of "Auto Refresh" to avoid seldom but not reproducible application crash.
RM#39743
- Bugfix in IEC61850 Validation. Preventing an application crash in the special case of a non-valid FCDA configuration.
RM#40083
- USB Connection could fail if "HighPROTEC Direct Connection" is already established.
RM#41161
- Fault Recorder improvement: Do not display an empty dialog window if the requested measurements are no longer available on the device.
RM#41208

Product changes in Application DataVisualizer, Release 4.70 (Build 33153)

Modified Features:

- Enabled consistent representation for HighPROTECs Line Differential Disturbance Records.
Aligned representation of analog channels, measured by local and remote relays in a Line Differential Protection setup.
RM#32658
- Extended the Display Factor Dialog to shift channels on the x-axis.
RM#37400
- Support Romanian language for the User Interface.
RM#40602

Bug Fixes:

- Update HTML Online Help to avoid error message "Failed to launch help." if Help (F1) is called at different UI controls.
RM#30407
- Application does not exits properly if "Accessibility Support" is enabled.
RM#38572

- Avoid application crash in some use cases if snapshot file (.snp) will be written.
RM#39039
- COMTRADE export did not support decimal places for float values.
RM#41475
- User defined colors for digital channels did not work as expected.
RM#41478

Product changes in Application "Page Editor", Release 1.2 (Build 31609).

Modified Features:

- Improvement in "Page Editor" if used language is set via command line option.
RM#30409

Bug Fixes:

- Bug fix regarding selection lists and right/left alignment.
RM#36537
- Bug fix regarding Copy & Paste of Switchgears.
RM#36553

Release 4.31 - 1 (30620) - 2016-May-04

Product changes of "Smart view SE" Release 4.31-1, which is a package of the following 3 applications:

- *"Smart view"*
- *"DataVisualizer"*
- *"Page Editor"*

(Changes against previous released *"Smart view SE"*, Release 4.31, Build 29877)

Modified Features:

- Support download of the installer application *"Smartview_SE_Install.exe"* with Microsoft Internet Explorer applications.

RM#33841

No product changes in Application "Smart view", Release 4.30 (Build 29407).

No product changes in Application "DataVisualizer", Release 4.60 (Build 29482).

No product changes in Application "Page Editor", Release 1.1 (Build 29318).

Release 4.31 (29877) - 2016-Apr-22

Product changes of "Smart view SE" Release 4.31, which is a package of the following 3 applications:

- *"Smart view"*
- *"DataVisualizer"*
- *"Page Editor"*

(Changes against previous released *"Smart view SE"*, Release 4.30, Build 29487)

Bug Fixes:

- Support *"Smart view"* connection with *HighPROTEC* USB devices on *Windows 10*.
Only the *"Smart view SE"* installer was updated with working USB driver for *Windows 10*.
RM#30376

No product changes in Application "Smart view", Release 4.30 (Build 29407).

No product changes in Application "DataVisualizer", Release 4.60 (Build 29482).

No product changes in Application "Page Editor", Release 1.1 (Build 29318).

Release 4.30 (29487) - 2016-Jan-12

Product changes of "Smart view SE" Release 4.30, which is a package of the following 3 applications:

- Smart view
- DataVisualizer
- Page Editor

(Changes against previous released "Smart view SE", Release 4.10, Build 28340)

Product changes in Application Smart view, Release 4.30 (Build 29407)

New Features:

- Support more HIGH TECH LINE 3 / PROFESSIONAL LINE devices

The following HIGH TECH LINE 3 devices are currently supported:

MRF3, MRG3, MRG3-IE, MRG3-IU0, MRI1-IE, MRI3-E, MRI3-IE, MRI3-IHE, MRIK3-ICXR, MRIK3-IE, MRN3-1, MRQ1-1, MRR1, MRU3-1, MRU3-2

The following PROFESSIONAL LINE devices are currently supported:

XRN2-1, XRN2-2, XRW1-4

RM#23417

- Support Bus Scan for HIGH TECH LINE 3 / PROFESSIONAL LINE devices

RM#12197

- New settings feature to switch on/off the "Shortcuts"-Window.

RM#28830

Modified Features:

- "TCP/IP Device Configuration"-Dialog: DHCP Checkbox Control removed if the device does not support DHCP.

RM#28196

- Menu item "Program Manuals..." added to the "Help" menu.

RM#28925

- Display an information Message if the process "Receive Data from Device" was interrupted.

RM#29555

- Better support if modifying of Connection Settings for Serial or USB fails.

RM#30201

Bug Fixes:

- Printed characteristic curves could differ from displayed curves.

RM#27655, RM#27700

- Application could crash if multiple overcurrent reset characteristic curves are displayed.

RM#27657

- Add more detailed check if setting values are modified via command line.

RM#28501

- Transfer Parameters to the device has to be a non-interruptible process.

RM#28779

- Application could crash after DeviceModel files are downloaded.

RM#29573

Product changes in Application DataVisualizer, Release 4.60 (Build 29482)

Modified Features:

- If the help file for the selected language is not available, the English help file will be used.

RM#30407

- Menu Item "Print Setup..." removed. This is no longer necessary, because "Print..." offers the same function.

RM#30414

- Allow only numerical input for some Edit Controls in the Preference Dialog Pages "Printing" + "Display"

RM#30415

Bug Fixes:

- Remove the Keyboard Shortcuts CTRL-N and CTRL-S, because functions "File New" and "File Save" are not used.

RM#30412

- Application could crash if an invalid disturbance file was loaded.

RM#30413

Product changes in Application Page Editor, Release 1.1 (Build 29318)

New Features:

- Additional symbols provided.

RM#29969

Release 4.10 (28340) - 2015-Oct-02

Product changes of "Smart view SE" Release 4.10, which is a package of the following 3 applications:

- Smart view
- DataVisualizer
- Page Editor

(Changes against previous released "Smart view SE", Release 3.50)

Product changes in Application Smart view, Release 4.10 (Build 28310)

New Features:

- Show Characteristic curves graphically.
- Support of HighPROTEC device with USB connection port.
- Optional display of ANSI Device Numbers (if supported by device)
- Exchange of Single-line for devices which support this.
- Support of Spanish language for the user interface.
- Additional support for HIGH TECH LINE 3 / PROFESSIONAL LINE devices

Modified Features:

- User Interface Enhancement for the improved IEC 61850 SCD-File Validation
Details see Redmine Issue 16807
- More detailed checks if RAS connection (used by HighPROTEC Serial or USB) is already established by another application.
Details see Redmine Issue 17245
- Multiple application Instances can connect to different devices.
Details see Redmine Issue 18236
- Some Performance improvements if setting values received from device.
Details see Redmine Issue 18401
- Add command line option to set the application language.
Details see Redmine Issue 26432
- Default Installation Folder changed from "Woodward/HighPROTEC/Smart view SE" to "Woodward/Smart view SE"

Bug Fixes:

- Do not clear the current filename from application title bar, if disconnect is called.
Details see Redmine Issue 14100
- DeviceModels with version numbering such like "V2.2.e_emv" unable to find.
Details see Redmine Issue 14628
- Avoid application crash if specific printer driver is used.

Details see Redmine Issue 16130

- Convert Parameter: Optional target DeviceModel not found if only the major version ID is higher.
Details see Redmine Issue 16297
- Depending of the current settings of the WINDOWS Operating System the application could crash in rare cases.
Details see Redmine Issue 16777
- Depending on the language of the WINDOWS Operating System the application could crash if the language selection dialog is selected.
Details see Redmine Issue 17024
- In some circumstances setting values are displayed as modified but they are already saved.
Details see Redmine Issue 17050
- Avoid invisible Device Data Tree Control window if application window is decreased with mouse.
Details see Redmine Issue 18047
- Edit Typecode dialog: In some use cases the "Apply" Button was disabled if Typecode was modified.
Details see Redmine Issue 18238
- DDI Assignment view does not refresh properly, if a same DDI Assignment value was modified in another view.
Details see Redmine Issue 18240
- Support enhanced DeviceModel download from devices since platform release 3.0 which avoids lost file handles on the device.
Details see Redmine Issue 19705
- Application doesn't ask to save modified settings, if WINDOWS is shutting down.
Details see Redmine Issue 21583
- Recorder Windows could display texts in wrong columns under specific circumstances.
Details see Redmine Issue 21812
- Read Trend Recorder Timeout increased.
Details see Redmine Issue 24739

Product changes in Application DataVisualizer, Release 4.50 (Build 27881)

New Features:

- Support of Spanish language for the user interface.
- Optional display of ANSI Device Numbers (if supported by device)

Bug Fixes:

- COMTRADE Export supports also 60Hz for disturbance records.

Details see Redmine Issue 12439

- Depending on the language of the WINDOWS Operating System the application could crash if the language selection dialog is selected.

Details see Redmine Issue 17024

- Optimize the Display of Sample number in application Status Bar

Details see Redmine Issue 18082

- Enhancement in the Y-Axis scaling to support large values in a finer raster.

Details see Redmine Issue 22193

- Support of COMTRADE records if only digital channels are available

Details see Redmine Issue 26223

Product changes in Application Page Editor, Release 1.0 (Build 28336)

New Features:

- First time that this application is delivered with "Smart view SE".

Release 4.0 (27974) - 2015-Sep-01

IMPORTANT RELEASE NOTE

THIS IS AN INTERMEDIATE RELEASE WITH "HIGH TECH LINE 3" SUPPORT

WITH DEVICES "MRI3-I1E1-DB" AND "MRIK3-I1E1-DB"

Product changes of "Smart view SE" Release 4.0, which is a package of the following 2 applications:

- Smart view
- DataVisualizer

(Changes against previous released "Smart view SE", Release 3.50)

Product changes in Application Smart view, Release 4.0 (Build 27800)

New Features:

- Support of HIGH TECH LINE 3 Devices
Note for this Intermediate Release: Currently only MRI3-IE and MRIK3-IE
- Show Characteristic curves graphically.
- Support of HighPROTEC device with USB connection port.
- Optional display of ANSI Device Numbers (if supported by device)
- Exchange of Single-line for devices which support this.
- Support of Spanish language for the user interface.

Modified Features:

- User Interface Enhancement for the improved IEC 61850 SCD-File Validation
Details see Redmine Issue 16807
- More detailed checks if RAS connection (used by HighPROTEC Serial or USB) is already established by another application.
Details see Redmine Issue 17245
- Multiple application Instances can connect to different devices.
Details see Redmine Issue 18236
- Some Performance improvements if setting values received from device.
Details see Redmine Issue 18401

Bug Fixes:

- Do not clear the current filename from application title bar, if disconnect is called.
Details see Redmine Issue 14100
- DeviceModels with version numbering such like "V2.2.e_emv" unable to find.
Details see Redmine Issue 14628
- Avoid application crash if specific printer driver is used.

Details see Redmine Issue 16130

- Convert Parameter: Optional target DeviceModel not found if only the major version ID is higher.
Details see Redmine Issue 16297
- Depending of the current settings of the WINDOWS Operating System the application could crash in rare cases.
Details see Redmine Issue 16777
- Depending on the language of the WINDOWS Operating System the application could crash if the language selection dialog is selected.
Details see Redmine Issue 17024
- In some circumstances setting values are displayed as modified but they are already saved.
Details see Redmine Issue 17050
- Avoid invisible Device Data Tree Control window if application window is decreased with mouse.
Details see Redmine Issue 18047
- Edit Typecode dialog: In some use cases the "Apply" Button was disabled if Typecode was modified.
Details see Redmine Issue 18238
- DDI Assignment view does not refresh properly, if a same DDI Assignment value was modified in another view.
Details see Redmine Issue 18240
- Support enhanced DeviceModel download from devices since platform release 3.0 which avoids lost file handles on the device.
Details see Redmine Issue 19705
- Application doesn't ask to save modified settings, if WINDOWS is shutting down.
Details see Redmine Issue 21583
- Recorder Windows could display texts in wrong columns under specific circumstances.
Details see Redmine Issue 21812

Product changes in Application DataVisualizer, Release 4.50 (Build 27783)

New Features:

- Support of Spanish language for the user interface.
- Optional display of ANSI Device Numbers (if supported by device)

Bug Fixes:

- COMTRADE Export supports also 60Hz for disturbance records.
Details see Redmine Issue 12439
- Depending on the language of the WINDOWS Operating System the application could crash if the language selection dialog is selected.

Details see Redmine Issue 17024

- Optimize the Display of Sample number in application Status Bar

Details see Redmine Issue 18082

- Enhancement in the Y-Axis scaling to support large values in a finer raster.

Details see Redmine Issue 22193

= Release 3.50 - 2 (25651) - 2015-Jan-28 =

Product changes of "Smart view SE" Release 3.50-2, which is a package of the following 2 applications:

- Smart view
- DataVisualizer

(Changes against previous released "Smart view SE", Release 3.41)

Product changes in Application Smart view, Release 3.50-1 (Build 25650)

New Features:

- Support of HighPROTEC devices with the new "Trip-Cause" feature.

Modified Features:

- Update User Interface to create a new parameter setting file
Necessary to support different device families in the future (e.g. HighPROTEC, HIGH TECH LINE 3, PROFESSIONAL LINE)
- Add new feature to reset to "Read Only" state if a device is currently "opened" for writing parameter settings.
Details see Redmine Issue 12678.
- Improvements to read Fault Recorder Details or Event Recorder Info from device:
Add cache mechanism which avoids unnecessary data transfer of "fixed" data from the device which was already received.
- Minor improvement for the display of local set values:
Add the used local set number to the ListCtrl column title (e.g. "2: V[2].Alarm")
- Convert Parameter Enhancement - Set Implausible and Invisible Parameter to Default
Details see Redmine Issue 13863
- Convert Parameter Modification - Allow conversion only to newer versions
Details see Redmine Issue 13919

Bug Fixes:

- Improvements/Fixes in RPC service communication:
Fixes all the use cases if "Auto Refresh" is active and other device request are done by specific user actions.

Details see FogBugz Cases 3501, 5782, 5994, 7231, 7306 (or also Redmine Issue 11127)

- If DataVisualizer is called via "Smart view" then always the correct DataVisualizer application is called.
Details see FogBugz Case 6307
- Minor Fix/Enhancement in Visual Logic Editor:
If implausible selection values available, then display the first available selection item.
Note: This is now the same behavior as it is for the general Edit Parameter Dialog.
Details see Redmine Issue 11043
- IEC 61850 validation does not work in combination with EATON and Woodward devices
Details see Redmine Issue 12677
- Fix the minor issue that filename is not displayed in application title if it is saved via command line option.
Details see Redmine Issue 12529
- Minor Fix/Enhancement for CSV export:
Use the Local Set Value view attribute for export only, if a view attribute is available for this item.
Otherwise use the "global" view attribute of this setting value.
- Property of some setting values was set to modified, if setting values were received from a device.
Details see Redmine Issue 11891
- Company name "Woodward" has to be removed for if a printing job will be done to a PDF printer driver.
Details see Redmine Issue 14542
- Fix a problem of implausible value check in wrong modeled DeviceModels (e.g. MRA4, Release 1.5)
Details see also Redmine Issue 15316
- Enhancement/Fix which decrease the IEC 61850 CID file for some use cases and this avoids a crash of the device.
Details see also Redmine Issues 18465, 18505

Product changes in Application DataVisualizer, Release 4.40 (Build 23687)

None significant modifications, only update to the latest BCGControlBar User Interface framework.

Bug Fixes:

- Avoid application crash if specified language data is not available in the recorder container file.
Details see Redmine Issue 13965

Release 3.41 (23140) - 2014-May-30

Product changes of "Smart view SE" Release 3.41, which is a package of the following 2 applications:

- Smart view
- DataVisualizer

(Changes against previous released "Smart view SE", Release 3.40)

Product changes in Application Smart view, Release 3.41 (Build 22896)

New Features:

- Add command line option to create IEC 61850 SCD file.
- Add command line option to send IEC 61850 configuration to a connected device.
- Add command line option to export information about setting values to CSV formatted text file.
Details see Redmine Issue 10123

Modified Features:

- Improvements to set up a serial connection.
Details see Redmine Issue 8139
- Update User Interface of Communication Settings Dialog
Necessary to be more flexible for the different communication and device types
- Update the behavior of the command line feature which changed parameter setting values: Do not modify a setting value if the setting value of the current loaded parameter data is identical with the specified setting value of the command line.
Details see FogBugz Case 7249.
- If serial connection is used then check the used RAS connection if it is used as a default gateway, which is NOT recommended.
Details see FogBugz Case 7251.

Bug Fixes:

- Support now dependencies from/to MultiSet values (e.g. used in "Auto Reclosing Shot Manager")
Details see FogBugz Case 7406.
- Spin controls in print dialog margin settings works now as expected. In all previous releases down arrow increase and up arrow decrease the value.
Details see FogBugz Case 7073
- Commandline option "-file:<filename>" does not work on Windows 7 if <filename> is given without pathname.
Details see FogBugz Case 7518
- Compare parameter file could display wrong setting values if differences are in adaptive setting values.
Details see FogBugz Case 7523
- "Smart view SE" Installer displays wrong character set, if Polish installation is used.

Details see Redmine Issue 10732

Product changes in Application DataVisualizer, Release 4.30 (Build 22866)

Bug Fixes:

- Avoid application crash if snapshot file contains unexpected data.

Details see FogBugz Case 5927 or Redmine Issue 12201.

Release 3.40 (18697) - 2012-Nov-20

Product changes of "Smart view SE" Release 3.40, which is a package of the following 2 applications:

- Smart view
- DataVisualizer

(Changes against previous released "Smart view SE", Release 3.30)

Product changes in Application Smart view, Release 3.40 (Build 18695)

New Features:

- Support for device with different password access levels.
- Enhanced Control support for Single-Lines.
Details see FogBugz Case 6806.
- Add Spanish, Portuguese(Brazilian) and French user interface languages.
- IEC 61850: Improved handling of ExtRef nodes (support of relative IntAddress paths).
- IEC 61850: Ignore of empty ExtRef nodes (possible use template).

Modified Features:

- Performance enhancement during editing setting values and support of previous/next buttons also in Device Planning.
Details see FogBugz Case 6412.
- Performance enhancement to read all Device Models during operation "Create new setting file" or "Save as..."
- Enhancement for editing numeric values < 1.0 with spin buttons.
Details see FogBugz Case 6415.
- Display the last used connection address into the application status bar.
- In the Device Configuration Dialog it is now also possible to enter the Typecode more directly.
- Support "Save As..." for Parameter setting files if no Device Model is available.
- Add more detailed error message if all Device Model were deleted during application run.
Details see FogBugz Case 6897.
- Add a confirmation dialog before any direct control will be sent to the device.
Details see FogBugz Case 6919.
- Increase the input field for the TCP/IP address (there was a limitation of 17 characters).
Details see FogBugz Case 7003.

Bug Fixes:

- If new setting file should be created, then the shortcut buttons is always cleared now.
Details see FogBugz Case 6622.
- Cancel button is needed to be hit twice to abort "Receiving Data from Device" operation.

Details see FogBugz Case 5255.

- In some cases it is possible to set a negative zero value (-0).

Details see FogBugz Case 6656.

- Some English Online Help contained German text.
- Parameter setting file couldn't be opened if it was already opened by another application.

Details see FogBugz Case 6699.

- If print range is selected for a tree item, then display now a question mark "?" for "Measurement" and "State" values and not the default value or blank.

Details see FogBugz Case 7220.

- On Windows Vista or Windows 7 the modified or implausible icon in the Device Data Tree wasn't display properly.
- IEC 61850: Fixed compatibility issues with SCD files generated ABB Substation Configurator and Siemens DIGSI.
- IEC 61850: Support of "LLN0" in Datasets.

Details see FogBugz Case 7227.

- IEC 61850: Refuse Control block names containing white space characters. This validation is only performed for the particular device.

Details see FogBugz Case 7067.

Product changes in Application DataVisualizer, Release 4.20 (Build 18078)

New Features:

- Add Spanish, Portuguese(Brazilian) and French user interface languages.
- Support recorder files with Enhanced Control information from Single-Lines.

Details see FogBugz Case 6806.

Release 3.30 (16584) - 2012-Jun-25

Product changes of "Smart view SE" Release 3.30, which is a package of the following 2 applications:

- Smart view
- DataVisualizer

(Changes against previous released "Smart view SE", Release 3.10)

Product changes in Application Smart view, Release 3.30 (Build 16583)

New Features:

- Support of device MRM4, Release 2.0 (and compatible devices).
- Support switching of unit Celsius/Fahrenheit for temperature parameter setting values.
Details see FogBugz Case 6346.
- IEC 61850: Evaluate maximum amount of elements in an SCD-file.
(GOOSE, ConfReportControl, ConfDataSet, ConfDataSet:maxAttributes, ConfLogControl)
Details see FogBugz Case 5756.
- IEC 61850: Empty DataSet detection.
- IEC 61850: ControlBlock reference validation.
- IEC 61850: Improved validation of FCDA nodes used by GOOSE.
Details see FogBugz Case 6183.

Modified Features:

- Display of Motor Protection Curve for devices which support the 2-Speed option.
- Display of Motor Protection Curve supports now up to 6 protection instances and supports "Definitive Time" settings.
Details see FogBugz Case 6406.
- Display of Motor Protection Curve supports selectable parameter setting groups.
- Performance enhancement to create new parameter setting files.
Details see FogBugz Case 6561.
- Support editing of Adaptive Settings also via context menu.
- Add additional service information for Event Recorder entries into the clipboard.
Details see FogBugz Case 1874.
- Add additional service information for the current viewed list into the clipboard.
Details see FogBugz Case 6397.
- Better error handling if user canceled receiving data from device for devices with available Single-Lines.
- Details see FogBugz Case 6505.

Bug Fixes:

- View the TCP/IP setting of the device could fail if auto refresh is enabled.

Details see FogBugz Case 5994.

- Application could crash during comparing of parameter setting files.
Details see FogBugz Case 6112.
- Dependencies from Single-Set values to Adaptive-Set values could fail.
Details see FogBugz Case 6342.
- Display of optional time values for counter and history measurement values could fail.
Details see FogBugz Case 6423.
- IEC 61850: Fixed incompatibility with SCD files, modified by Siemens DIGSI.
Details see FogBugz Case 5937.
- IEC 61850: Accept the lack of standard EnumTypes (Quality, Check, Dbpos and Tcmd).
Details see FogBugz Case 6044.
- IEC 61850: Detection of invalid FCDA references.
Details see FogBugz Case 5409.

Product changes in Application DataVisualizer, Release 4.10 (Build 16325)

New Features:

- Support Display of Motor Start Records for devices which support the 2-Speed option.
Details see FogBugz Case 6333.

Modified Features:

- Support optional displaying of module names for analogue channels.
Details see FogBugz Case 6220.

Bug Fixes:

- Invalid display of Trend Recorder records.
Details see FogBugz Case 6277.

Release 3.10 (15432) - 2012-Mar-30

Product changes of "Smart view SE" Release 3.10, which is a package of the following 2 applications:

- Smart view
- DataVisualizer

(Changes against previous released "Smart view SE", Release 3.0)

Product changes in Application Smart view, Release 3.10 (Build 15431)

New Features:

- Visualization of Motor Protection Curve for Motor Protection devices.

Modified Features:

- Add more detailed information about the used device into the printout.
Details see FogBugz Case 6124.

Bug Fixes:

- During plausibility check float values were reset to default although they were identical with the current value (e.g. "1.00" and "1"). In this case these values were unnecessary added into the modified value list.
Details see FogBugz Case 5935.
- Popup window is still visible if Device Planning dialog is closed.
Details see FogBugz Case 6034.
- On Windows 7 systems Parameter Setting files are not saved in the expected folder.
Details see FogBugz Case 6164.
- Dependency check for adaptive setting values could fail.
Details see FogBugz Case 6090.
- Sending implausible data to device could be enabled, if a Multi Set setting value is implausible.
Details see FogBugz Case 6173.
- If "Print" is chosen from "Print Preview" then the Print window is empty.
Details see FogBugz Case 6153.
- IEC 61850: Disabled the validation of the DataTypeTemplate section as workaround.
Details see FogBugz Case 5937.

Product changes in Application DataVisualizer, Release 4.0 (Build 15430)

New Features:

- Support of automatic channel display via filter definition.
- Support recorder files with alternate scaling.
- Support of time zones in recorder files.

Details see FogBugz Case 6087.

Bug Fixes:

- Now Axis Stretching button is not disabled by Time Slider.

Details see FogBugz Case 5788.

Release 3.0 (14595) - 2012-Mar-30

Product changes of "Smart view SE" Release 3.0, which is a package of the following 2 applications:

- Smart view
- DataVisualizer

(Changes against previous released "Smart view SE", Release 2.61)

Product changes in Application Smart view, Release 3.0 (Build 14593)

New Features:

- Application writes Parameter Setting files in a new format (e.g. with information about supported languages or the used Single-Line). Note: Parameter Setting files created with previous releases of this application could be read.
- Application writes Recorder files in a new format (e.g. with information about supported languages or information of the used Single-Line).
- Support of device MCA4, Release 2.0 (and compatible devices).
- For devices with Statistic Recorder, an additional view with all summary values is available.
Details see FogBugz Case 5346.
- IEC 61850: Improved hiding unused logical notes (in dependence on project settings).
- IEC 61850: Support of DataObjects in Datasets.

Modified Features:

- Add accelerator keys for functions "Send ALL Parameter to Device" + "Send modified Parameter to Device".
- If implausible values available, then do not display all Adaptive Settings if they are not implausible.
Details see FogBugz Case 5308.

Bug Fixes:

- Copy Service Info from Device Planning into clipboard could copy the wrong data.
Details see FogBugz Case 5474.
- Do not set "invisible" parameter values via command line option.
Details see FogBugz Case 5489.
- Application crashed if a tooltip text is longer than 1024 characters. Details see FogBugz Case 5556.
- Do not display empty main menu items (such like Logic or System Alarm) if they are currently not projected.
Details see FogBugz Case 5566.
- Failure could occur if application opened more than 100 parameter setting or value list windows.
Details see FogBugz Case 5637.
- Device Data Tree window could be invisible.

Details see FogBugz Case 5237.

- Quick browsing through Fault Recorder measurement values causes strange behavior.
Details see FogBugz Case 5783.
- Setting values with adaptive sets could display a wrong icon in the list.
Details see FogBugz Case 5218.
- Printout of setting values with adaptive settings did not display the values in all cases.
Details see FogBugz Case 5926.
- IEC 61850: Fixed address validation for "Enum" and "Dbpos".
- IEC 61850: Ignore unused LNodeTypes, DoTypes and DaTypes (previous version aborted with an error).
- IEC 61850: Key attributes in ICD files do now start with manufacturer name as prefix.
- IEC 61850: The "daName" attribute in FCDA nodes isn't mandatory anymore (change requested by Kema).
- IEC 61850: Fixed syntax of private nodes (according to SCL syntax checks).

Product changes in Application DataVisualizer, Release 3.60 (Build 14263)

New Features:

- Application reads Recorder files also in the new format (e.g. with information about supported languages or information of the used Single-Line).

Bug Fixes:

- Erroneous illustration of "Lost Events".
Details see FogBugz Case 5474.
- Application could crash if specific number of "Lost Events" recorded.
Details see FogBugz Case 5412.

Release 2.61 (12784) - 2012-Mar-30

Product changes of "Smart view SE" Release 2.61, which is a package of the following 2 applications:

- Smart view
- DataVisualizer (Note: No changes for this "Smart view SE" Release)

(Changes against previous released "Smart view SE", Release 2.50)

Product changes in Application Smart view, Release 2.61 (Build 12733)

New Features:

- Visual Logic Equation Editor.
- Supports devices with IEC 61850 support.
 - Creation of device specific ICD files.
 - Creation of example SCD files.
- Supports devices with "System Alarm" settings.
- Diagnostic data could be copied into clipboard, if "ServiceInfo" is enabled.
- Add Polish user interface language.

Modified Features:

- Adapt the timeout for parameter transfer from and to the device depending on the size of the transferred data.
- Converting parameter files supports also the settings for the different LCD displays.
Details see FogBugz Case 4695.
- Default installation destination changed from "Woodward SEG" to "Woodward".
- Increase performance during plausibility check.
- If Adaptive Values used, then the assigned adapted value will be displayed as a title in the column header.
Details see FogBugz Case 4850.
- Support dependencies over different opened parameter setting windows.
Details see FogBugz Case 4848.
- If a measurement value could not read again from the device, then add a question mark at the end of the previous read value.

Bug Fixes:

- When large fonts were used in WINDOWS then some text didn't fit into the display list.
Details see FogBugz Case 4756.
- The file extension was not added to a saved file, if registered extensions are not displayed in the WINDOWS settings.
Details see FogBugz Case 4800.
- Depending on the "View Options" of the WINDOWS "File Explorer" the application could crash if it used the "File Open" dialog.

Details see FogBugz Case 4806.

- Navigation via the popup menu in the Device Planning dialog opened the wrong parameter setting window.

Details see FogBugz Case 5066.

Product changes in Application DataVisualizer, Release 3.51 (Build 12641)

New Features:

- Add Polish user interface language.

Release 2.50 (10785) - 2012-Mar-30

Product changes of "Smart view SE" Release 2.50, which is a package of the following 2 applications:

- Smart view
- DataVisualizer (Note: No changes for this "Smart view SE" Release)

(Changes against previous released "Smart view SE", Release 2.40)

Product changes in Application Smart view, Release 2.50 (Build 10784)

Modified Features:

- Adapt the receiving of the language information from the device to the behavior of new devices with Russian language support.
Details see FogBugz Case 4617.
- Support factory default settings for different type codes.
Details see FogBugz Case 4422.

Release 2.40 (10497) - 2012-Mar-30

Product changes of "Smart view SE" Release 2.40, which is a package of the following 2 applications:

- Smart view
- DataVisualizer

(Changes against previous released "Smart view SE", Release 2.30)

Product changes in Application Smart view, Release 2.40 (Build 10487)

Modified Features:

- If the device password is empty then no password request occurs from the user interface.
Details see FogBugz Case 4395.
- Command line option to send parameter settings to the device supports now the option to send only the currently modified parameter setting values.
Details see FogBugz Case 4400.
- Update Online Help how to setup a serial connection for WINDOWS 7.
- If the serial connection is used, then the necessary settings will be checked before the connection starts.
Details see FogBugz Case 5436.

Bug Fixes:

- Application crashed if Adaptive Setting values were selected via keyboard (and not via mouse).
Details see FogBugz Case 4386.
- The MODBUS and TCP/IP settings were not visible for some devices.
Details see FogBugz Case 4404.
- Printing of values did not display the value name.
Details see FogBugz Case 4471.
- Fault recorder measurement display did not check the display resolution properly. In case of many measurement entries the user could see the entries at the end of the list.
Details see FogBugz Case 4473.
- Receiving of Trend Recorder data from device could fail.
Details see FogBugz Case 4464.
- Comparing of parameter setting values could fail if numeric Adaptive Values available.
Details see FogBugz Case 4537.

Product changes in Application DataVisualizer, Release 3.40 (Build 10496)

New Features:

- Support single points and gaps in Trend Records.
Details see FogBugz Cases 4020 + 4084.

Modified Features:

- Support different time units depending on the size of the time window.
Details see FogBugz Case 4019.

Bug Fixes:

- Application could stand still if "Freeze View" is used with "Automatic" settings.
Details see FogBugz Case 4459.
- Depending on the recorder data the display of the trigger time could be wrong.
Details see FogBugz Case 4320.
- Application crashed if Trend Record contains duplicate channels.
Details see FogBugz Case 4463.

Release 2.30 (9932) - 2012-Mar-30

Product changes of "Smart view SE" Release 2.30, which is a package of the following 2 applications:

- Smart view
- DataVisualizer

(Changes against previous released "Smart view SE", Release 2.10)

Product changes in Application Smart view, Release 2.30 (Build 9931)

New Features:

- Add support for devices which supports Trend Recorder.
- Add support for devices which supports Statistic Recorder.
- Add support to edit easier assignments (e.g. for digital inputs) with a new "Edit Multiple Selection" dialog (if the device supports this feature).
- Add Russian user interface language.

Modified Features:

- Build a new default file name for parameter setting files (the previous default name was "Untitled"). The new default name is build from device name, version and optional serial number (e.g. "MRA_V1.6.a" or "MRA_V1.6.a_SN12345678").
- Build a new default file name for received disturbance files. The new default name is build from device name, device serial number and trigger time (e.g. "MRA4_SN12345678_20091028235958123").
- Shortcut bitmaps gets a more Windows Vista/Windows 7 style.
- Most of the Device Data Tree icons use now more than 256 colors. It should looks a bit more smooth now.
- Redesign of the list of setting parameters/values. Move functions such like "edit" from the list items to an own toolbar.
- Redesign of the list of Disturbance and Fault Recorders. Move functions such like "receive" or "delete" from the list items to an own toolbar.
- Add support to delete ALL available Disturbance Records.
- Event Recorder displays more details in an additional dialog (e.g. help information of the event state)
- Measurement values (e.g. statistic values) could have an optional measurement time value.
- If a parameter setting selection value offers currently only ONE possible selection, then this is indicated in a grey styled edit icon.

Bug Fixes:

- Send parameter to the device failed, if a type code was modified and only modified parameter settings were sent to the device.
Details see FogBugz Case 4308.
- Event Recorder displayed in some cases only numbers for the module name and not the module text.

Details see FogBugz Case 4363.

Product changes in Application DataVisualizer, Release 3.30 (Build 9320)

New Features:

- Add support to display Trend Records.
- Add support for variable scan rate.
- Add Russian user interface language.

Release 2.10 (8163) - 2012-Mar-30

Product changes of "Smart view SE" Release 2.10, which is a package of the following 2 applications:

- Smart view
- DataVisualizer (Note: No changes for this "Smart view SE" Release)

(Changes against previous released "Smart view SE", Release 1.60)

Product changes in Application Smart view, Release 2.10 (Build 8162)

New Features:

- Add support for Device modeling for transformer protection devices (e.g. ETR-4000).
- Optional communication support via Modbus TCP/IP Gateway.

Modified Features:

- If a device supports TCP/IP connection then add a specific TCP/IP symbol in the device data tree.
- Display the adaptive setting values only, if they are currently active in use.
- Do not display a Device Data tree item or empty parameter lists if currently no items for this list available.
- Minor redesign of "Edit Parameter Dialog" to support longer text items (e.g. for other supported languages).

Details see FogBugz Case 2790.

- Support Drag & Drop for a parameter file onto a application desktop link.
- Use English default Device Model text and online help if no localized language file for the current selected language available.
- Dynamic dependencies for Direct Controls.

Details see FogBugz Case 3547.

- More detailed error information if parameter update to the device fails.

Details see FogBugz Cases 2808 + 3594.

- Fault recorder supports the fault entry display with module name.

Details see FogBugz Case 3780.

- Display the Modul name only if it is not redundant.

Details see FogBugz Case 3831.

Bug Fixes:

- Resolving of an implausible value could fail.

Details see FogBugz Case 3575.

- Changing parameter settings via command line option result in implausible values if parameter has adaptive values.

Details see FogBugz Case 3607.

- Display of Direct Controls fails if status changed from disconnect to connect.

Details see FogBugz Case 3672.

Release 1.60 (6983) - 2012-Mar-30

Product changes of "Smart view SE" Release 1.60, which is a package of the following 2 applications:

- Smart view
- DataVisualizer (Note: No changes for this "Smart view SE" Release)

(Changes against previous released "Smart view SE", Release 1.50)

Product changes in Application Smart view, Release 1.60 (Build 6981)

Modified Features:

- Add online help section for a connection with TCP/IP.
- Display the TCP/IP address also into the status bar, if device is connected.
- Add serial number prefix "S/N:" where the device serial number is displayed.
- Better support if connection changed from TCP/IP to serial.

Details see FogBugz Case 3288.

Bug Fixes:

- Changing parameter settings via command line options did not reset implausible values correct.

Details see FogBugz Case 3338.

Release 1.50 (6718) - 2012-Mar-30

Product changes of "Smart view SE" Release 1.50, which is a package of the following 2 applications:

- Smart view
- DataVisualizer (Note: No changes for this "Smart view SE" Release)

(Changes against previous released "Smart view SE", Release 1.30)

Product changes in Application Smart view, Release 1.50 (Build 6713)

New Features:

- Support of adaptive parameter settings.
- Edit TCP/IP configuration of the device.


Modified Features:

- Command line option enhancement for serial connection (RAS Connection).
- The default device communication timeout is now increased from 45 second to 60 seconds.

Bug Fixes:

- Project Engineering did not check the display resolution properly. In case of many project engineering parameters the user could not selected the entries at the end of the list.

Details see FogBugz Case3164.

- After saving a parameter file, the modified icon was still visible in the modal dialogs (e.g. project engineering). 

Release 1.30 (5963) - 2012-Mar-30

Product changes of "Smart view SE" Release 1.30, which is a package of the following 2 applications:

- Smart view
- DataVisualizer

(Changes against previous released "Smart view SE", Release 1.20)

Product changes in Application Smart view, Release 1.30 (Build 5962)

Modified Features:

- Support of case sensitive parameter setting values.

Details see FogBugz Case 3055.

Bug Fixes:

- Under some circumstances the application crashed if transfer parameter setting data to device was canceled by user.

Details see FogBugz Case 2805.

- If project engineering were done, it could be occurred that invalid project settings were sent to the device.

Details see FogBugz Cases 3018 + 3068.

- If type code modifications were done, it could be occurred that the resulting parameter setting did not fit for the type code configuration.

Details see FogBugz Case 1376.

- Better application behavior if a user canceled "Receiving data from Device" process.

Details see FogBugz Case 3039.

Product changes in Application DataVisualizer, Release 2.60 (Build 5642)

Modified Features:

- Enhancement for drag & drop of channels.
- Function "Edit Display Factor" supports shift of Y-axis.

Release 1.20 (5313) - 2012-Mar-30

Product changes of "Smart view SE" Release 1.20, which is a package of the following 2 applications:

- Smart view
- DataVisualizer

(Changes against previous released "Smart view SE", Release 1.10)

Product changes in Application Smart view, Release 1.20 (Build 5310)

New Features:

- Add additional command line option to set the used TCP/IP address for device communication.

Modified Features:

- Some Enhancement to use the keyboard during type code editing.
- The MDI windows have now a tabbed style.
- Enhancement of the dialog for setting the device Date/Time. Add graphical images for the workstation and device time.
- Recent file list shows the full path for those files which are not in the current working folder.
- Add information in Online Help how to setup a serial connection under Windows Vista.

Bug Fixes:

- Implausible data was saved into parameter setting file although user answered NO.
Details see FogBugz Case 2828.
- After parameter converting a warning is displayed now if implausible values occurred in type code section.
Details see FogBugz Case 2789.
- Bug in displaying list control icons, if a list item was currently in a "Modified" AND "Not Relevant" state.
Details see FogBugz Case 2631.
- Bug fix in Dialog "Edit Device Configuration (Type code)": If type code item was selected with a mouse click in the first column, then the resulting type code was not displayed
Details see FogBugz Case 2609.

Product changes in Application DataVisualizer, Release 2.50 (Build 5260)

Modified Features:

- Support of displaying "Lost Events".
Details see FogBugz Case 1980.
- Display only path in application title (without pathname).
- Some "File" menu redesign.

Bug Fixes:

- Distorted curves for analog signals.
Details see FogBugz Case 2470.
- Missing sample information in status bar.

Details see FogBugz Case 2709.

- Comtrade Export: Export invalid time.