Industrial Safety Systems

Flexi Soft Designer – Release Notes

SICK
Sensor Intelligence.

Version 1.9.7

General

- Improved stability and resolution of issues

- Flexi Soft Download Tool has been removed from the Flexi Soft Designer Setup and can now be downloaded directly from SICK.com

- Update to WIBU CodeMeter 7.60c

- Implementation of new firmware version 3.00.0 for the FX0-GMOD* module

New Features

- Implementation of a version information. The user is now shown whether the current version of the Flexi Soft Designer is used or if an update is available

Resolved Issues

- Correction of the occupied inputs by the DT35-S element

- Bug fixing in the download script for ACR supporting main modules

Version 1.9.6 SP1

General

- Improved stability and resolution of issues

New Features

- Discrepancy time of function block Two-hand control Type IIIA as adjustable parameter
- Synchronization time of function block Two-hand control Type IIIC as adjustable parameter

Version 1.9.6

General

- New elements in hardware configuration:
    - Safety laser scanner outdoorScan3
    - Safety encoder HIPERFACE
    - Standard encoder HIPERFACE
    - Safety radar sensor safeRS/safeRS3
    - Safety distance sensor DT35-S
    - Safety 3D camera safeVisionary2
- New safety systems:
    - Safe Guard Detector 2.0
    - sBot Speed
- Improved stability and resolution of issues

New Features

- Automated download: Now available for an ARM64 architecture

Resolved Issues

- Improved upload of Flexi Link projects
- Usability of analog module ANA0 only with main module versions v4.xx
- Bug fixing for checksum generation of CFB's (Customized Function Blocks)

Version 1.9.5

General

- Support of operating system Windows 11
- New element in hardware configuration for the safety locking device flexLock
- Improved stability and resolution of issues

New Features

- Automated download: Update of gateway IP address during download

Resolved Issues

- Improved display of the synchronization time of function block two-hand type III C, also in the report
- Display of the periodic position (wrap around) of the encoder in the report
- Automated download: Improved support for EFI systems with ACR (Automatic Recovery Configuration)

Improved Usability

- Automated Download: Improved support of write protected system plugs

Version 1.9.4 SP2

General

- Integration of CDS Version 3.7.2 SP7
- Discontinuation of Windows 7 support for licensed features and safety systems
- Update of device description files for gateways FX0-GETC and FX0-GPNT
- Improved stability, security, and resolution of issues

Resolved Issues

- Improved security by removal of the MSXML 4.0 parser from the Flexi Soft Designer setup
- Improved security through integration of WIBU CodeMeter 7.30a (Windows 10 only)
- Resolution of security vulnerability SCA-2022-0010 / CVE-2022-27579
- Optimized support for DPI scaling
- Improvement of ReLy OSSD4 in the hardware configuration. When adding ReLy OSSD4, two contactors are added to the parking area.

Improved Usability

- Display of the absolute recording time in the data recorder
- Display and selection of data recorder exports
- Improved display of large logic in report

Version 1.9.4 SP1

General

- Improved stability and resolution of issues

Resolved Issues

- Improved detection of safety system licenses

Version 1.9.4

General

- Licensing of SICK Safety systems
- New file formats for partial application and safety system
- Improved stability and resolution of issues

New Features

- Support of protected logic pages and checksums in partial applications
- Catalog in the logic editor for selecting and importing safety systems
- Extension of grouped and customized function blocks to 32 inputs and outputs and configurable parameters

Resolved Issues

- Download of configurations with verified protected logic pages
- Improvement of the alarm bit mask of the analog input module (FX3-ANA0) for CANopen (FX0-GCAN) and PROFINET IO (FX0-GPNT)
- Improved bit definition from byte 8 in the CSV export of the CANopen gateway (FX0-GCAN)
- Flexi Loop: Improved routing of diagnostic bits via fieldbus gateway
- MOC logic editor: Jump address support for motion signals

- Improved connecting of Flexi Soft Designer to a Flexi Soft system incl. Drive Monitor (FX3-MOCx) while processing of errors

- Improvement of the user interface texts

- Update of Flexi Soft Designer start page

Improved Usability

- Improvement of the licensing dialog. This now also contains the ticket ID

- Export of licensing dialog in csv format for documentation purposes

- Logic area of the logic pages increased by factor 4

- Saving the RS232 routing option in the project file

Version 1.9.3 SP1

General

- Improved stability and resolution of issues

- Change of software licensing solution

Resolved Issues

- Resolved Flexi Soft Designer freeze after opening a new project

- Improved detection of Flexi Soft Designer previous versions during upload

- Flexi Loop: restriction of configuration from element RE13/23/27 to EMSS5/8

- Update of Flexi Soft Designer start page

Version 1.9.3

General

- Integration of CDS Version 3.7.2 SP6

- New elements in hardware configuration for the inductive safety switches IME2S and IQB2S, safety laser scanner nanoScan3 and the safety encoder AFS/AFM60S Pro

- Improved stability and resolution of issues

New Features

- Partial verification of logic pages in CPU logic using checksum

- Partial verification of grouped and customized function blocks in CPU logic using checksum

- Display of the physical analog value in the logic editor

- Improved password length for authorized customer to increase security

- Creation of diagnostic packages for improved troubleshooting

Resolved Issues

- Improved documentation of MOC logic execution time in the report

- Improvement of project comparison of Flexi Link projects

- Optimized moving of logic pages in large projects

- Improved saving of comments with Asian characters in the logic editor

- Improved update of gateway IP address in verified configurations

- Selection of network adapters without MAC address in the connection settings dialog for Ethernet connections via VPN

- In this setup the RK512TcpIpRoutingService is installed again on Windows 7

Improved Usability

- Multiple selection in connection settings dialog

- Improved search of CPU markers in the logic editor

- Listing of jump labels in the inputs tab of the logic editor

- Unambiguous labelling of online and offline report

Version 1.9.2 SP1

General

- Improved stability and resolution of issues

Resolved Issues

- Resolved error message when closing the Flexi Soft Designer

- Improved simulation of projects with customized function blocks

- Improved error message when deleting a system plug in Flexi Link projects

- Improved addressing of Flexi Link stations with deleted system plug

- Improved saving of FX3-MOCx tag names

- Improved compatibility of the import of tag names regarding gateway firmware V2 and V3

- In this setup the Windows 10 RK512TcpIpRoutingService has again the startup type 'automatic'

Version 1.9.2

General

- Request to change password for user level 'authorized client' when connecting to new Flexi Soft systems

- New element in hardware configuration for the single-beam photoelectric safety switches L25 and L26

- Usage of Microsoft .NET framework 3.5 and .NET framework 4.6.2

- Improved stability and resolution of issues

New features

- Offline comparison of Flexi Soft Designer project files (diff)

- Support of unattended installation

- Automated download

    o Flexi Soft Download Tool for Linux

    o Check of main module and system plug serial numbers

    o Automatic detection of used USB and Ethernet interface

    o Time limited evaluation license

Resolved Issues

- Update of Flexi Soft Designer start page

- Improved calculation of execution sequence of function blocks in grouped and customized function blocks

- Automated download

    o Support of Unicode passwords

    o Improved support of safety relays

    o Improved execution of force download

    o Improved error code for failed module identity check

    o Improvements of user interface and support for small displays

- Improved support of Asian languages for function blocks Reset, Restart and AND

- Improvement of element „i10Lock, i110Lock, i14Lock" in the languages English and Spanish

- Improved support for DPI Scaling when using Windows 10

- Improved support of network adapters with static IPv4 and IPv6 address

Improved Usability

- Automatic activation of stored connection profile

- Configuration of function block execution sequence

- Improved save query when closing Flexi Soft Designer

- Improved connection algorithm in logic editor with new refresh option

Support of new products

- **Safety relay ReLy RLY-OSSD4**
  The safety relay RLY-OSSD4 offers 4 safety outputs and a diagnostic path for devices with OSSD outputs and integrated reset/EDM functions.

- **SIM1000 FXG**
  The programmable Sensor Integration Machine SIM1000 FXG combines the AppSpace functionality with the Flexi Soft system.

Version 1.9.1

General

- New features

    - Export of I/O matrix in csv format for documentation purposes

    - Automated download of Flexi Soft configurations (chargeable feature)

    - Introduction of a software licensing solution for the activation of chargeable features

- Improved stability and resolution of issues

Resolved Issues

- Improved translation of Flexi Soft Designer start page

- Calculation of logic editor used memory updated. This will now also be calculated when the system plug is full

- Improved calculation of execution sequence of function blocks in grouped and customized function blocks

- Improved and corrected representation of delayed jump address execution

- Improved and more secure Unicode password support. Unicode passwords set with FSD 1.9.1 are no longer backward compatible

- Corrected serial number representation of FX3-ANA0 modules

- Configuration check for missing analog module sensor unit added

- Improvement of the configuration of the position tolerance in function block Speed monitor

- Improvement of numbering of stop types in function block Safe Stop V2

- Parameter check for offset in function block Position cross check was added

- Improved colors in Flexi Loop elements window during online monitoring

Improved Usability

- Optimization of the Flexi Soft Designer menu

- Update of crash reporter tab 'contact'

- Delete items from the parking area by drag and drop to recycle bin

- Unification of the sequence of logic result bits in the logic editor for offline and online case

- Improved representation of article numbers of the gateways FX0-GENT and FX0-GPNT

- Improvement of markers in the data recorder. These are now time-dependent and keep their time position independent of the zoom range. They can be selected and moved using the keyboard

- Support renaming of tag names in MOC logic

Version 1.9.0 SP2

General

- Improved stability and resolution of issues

- Support of FX3-ANA0 firmware version 2.0.0

Resolved Issues

- Improved stability when uploading and opening projects with Flexi Loop energy supply accessories PWRI that have been created with Flexi Soft Designer version <1.9.0

- Improved stability of report generation

- Improved stability when loading Flexi Link project files created with an older Flexi Soft Designer version

- Improvement of Flexi Soft Designer installation regarding file path support

Version 1.9.0 SP1

General

- Improved stability and resolution of issues

Resolved Issues

- Improved compatibility when uploading FSD 1.8.0 SP1 configurations

- Improvement of Japanese translation in function block AND and OR

Version 1.9.0

General

- Integration of CDS Version 3.7.2 SP5

- Update of start page and translations into all available languages

- Increased maximum number of jump addresses from 128 to 256

- New elements in hardware configuration for 'safety locking devices' and 'electro-sensitive protective devices', e.g. MLP1, microScan3, deTec2, deTem

- Update of function block info

- Support of FX3-MOC1 firmware version 3.0.0
  Extension by function block speed cross check V2

- Support of FX0-GPNT/FX0-GENT firmware version 3.0.0
  Improved performance

- Translation of function block help in 5 languages: DE, EN, FR, JP und CN

Resolved Issues

- Improved support of operating system Windows 10

- Improved support for DPI Scaling when using Windows 10

- Support of tag name export also for configurations with Flexi Loop

- Support for Turkish language when creating customized elements

- Correct specification of MOC logic execution time in the report

- Improved text labels of the SSI encoder inputs

- Improved message box when changing 'Flexi Soft gateway network settings'

- Further improvement of stability and issue resolution

- Optimized logic behavior after deleting Flexi Loop nodes

Improved Usability

- Improved persistence of logic page order when switching from CPU logic editor to MOC logic editor in simulation mode

Support of new products

- **Safety relay ReLy RLY-OSSD1**
  The safety relay RLY-OSSD1 offers 2 safety outputs for devices with OSSD outputs and integrated reset/EDM functions.

Version 1.8.0 SP1

General

- Integration of CDS Version 3.7.2 SP4
- Improved stability and resolution of issues

Resolved Issues

- Improved import of partial applications containing FX3-ANA0 and FX3-MOC
- Improved interoperability with previous Flexi Soft Designer versions. Load and upload of Flexi Soft Designer 1.8.0 configurations in Flexi Soft Designer version 1.7.1 is no more supported.
- Improved MOC0 encoder scaling with rotary axis
- The parameter "Motion In 2 Delay" of function block Position Cross Check is available
- Loading projects with MOC1 group function block outputs is possible again

Version 1.8.0

General

- Support of operating system Windows 10
- Integration of Windows 10 compatible CDS Version 3.7.2 SP3
- Overview of used third party components
- New elements in hardware configuration for control devices, safety switches and interlocks, e.g. i12s, i16s, i10Lock, TR10 Lock, ER12
- Configuration of TCP port for TCP/IP connection profiles in Flexi Soft Designer for support of IP Masquerading respectively PAT (Port and Address Translation)

Resolved Issues

- Improved support of DPI scaling in hardware configuration
- Improvements with respect to checksums and safety configuration identifier
- Further improvement of stability and issue resolution

Improved Usability

- Improvement of Flexi Line usability for restart of Flexi Line system
- User information upon start of logic simulation if elements in parking area are used in logic
- Optimized activation of „heartbeat interval" and „COS-update" in FX0-GENT configuration

Support of new products

- **Flexi Soft Motion Control module FX3-MOC1**
  The Motion Control module FX3-MOC1 offers monitoring the relative and absolute position.
  It offers new drive safety functions in comparison to FX3-MOC0:
    - Safely Limited Position (SLP)
    - Safe CAM (SCA)

- **Flexi Soft analog input module FX3-ANA0**
  The analog input module FX3-ANA0 offers safe monitoring of analog process data with defined limits and manufacturer independent use of analog sensors through the 4-20mA standard interface.

Version 1.7.1 SP1

General

- Improvement of translations in Czech, Japanese and English
- Improved stability and bug fixes

Resolved Issues

- Optimization of loading times of project files
- Improved device support in combination with CDS 3.7.2 SP1
- The system bit "Simulation Bit" is now available again for all FX3-CPUs
- Eliminated MOC misinterpretation possibility of parameter "Limit 3 relative speed difference"

Version 1.7.1

General

- Support of CPU firmware version 4.0.0:
  General optimizations for faster logic execution also by disabling not used functionalities like EFI, Flexi Link, Flexi Line and Flexi Loop
- New function blocks for MOC (easy apps)
- Implementation of access protection for the configuration in the system plug
- Manipulation and visualization protection by password of logic editor
- Writing of passwords to system plug during configuration verification

Resolved Issues

- Improvement of function block „EDM"
- Optimization of communication between Flexi Soft Designer and CPU concerning ACR
- Improved graphical representation of the data in the data recorder by optimization of communication between Flexi Soft Designer and CPU
- User interface optimizations of inputs and outputs in the I/O matrix
- Update of links to manuals and tutorials

Improved Usability

- Improved display of safe and non-safe inputs of I/O modules in the hardware configuration

Version 1.7.0

General

- Know how protection for customized function blocks

Resolved Issues

- Improved memory performance

Flexi Loop Power Balance

- Implementation of a Power Balance for Flexi Loop system design. Currents and voltages can be calculated using the Flexi Loop system characteristics and checked against specified parameters.

Version 1.6.0 SP1

General

- Implemented device support according to CDS 3.6.8

Resolved Issues

- Text modifications in the report regarding increased capacitive loads
- TR4 Direct element's modification

Improved usability

- Improved classification of inputs, outputs as well as diagnostics information in the logic editor view
- Improved Tag name handling regarding Flexi Loop

Version 1.6.0

General

- Implemented device support according to CDS 3.6.8
- Safe and non-safe elements are displayed in different colors in the hardware configuration view as well as in the logic editor view
- A logic editor page can be protected from unauthorized access
- Customized paths can be defined for saving part applications, customized elements as well as function blocks
- CPU markers can be routed via Flexi-Soft-Gateways
- 100 Bytes CPU markers are available in the logic editor
- Easy replacement of Flexi-Soft-Gateways

Support of new products

Flexi Soft main module FX3 CPU3 with Flexi Line

Modular machine concepts require a high degree of flexibility:

The Flexi Line expansion function – safe networking of up to 32 Flexi Soft stations – offers this flexibility and maps the modular structure of machines.

Flexi Loop

The Flexi Loop can cascade up to 32 sensors while maintaining cat 4, SIL3 or PLe safety levels. Safety switches and OSSD safety sensors can be used together regardless of the sensor manufacturer.

Flexi-Soft Expansion Module

- XTDS input/output extension with eight safety inputs, four standard outputs, two switchable outputs or test pulse outputs
- STIO input/output extension with six inputs, six outputs, two switchable inputs or outputs

Version 1.5.0 SP1

General

- Implemented device support according to CDS 3.6.8

Resolved Issues

- Complete functionality is available in the logic editor view of the Drive Monitor in the French version
- Resolved an issue with transferring an project including elements in the Hardware editor which are not used in the logic editor
- Resolved an issue with more detailed description of some elements in the German version than in other languages.

Version 1.5.0

General
- Implemented device support according to CDS 3.6.8
- New data recorder: Data recorder can be used to record input –and output signals
- New Pro-face-HMI-Tutorial: explains the connection of a Pro-face-HMI with a Flexi Soft

Support of new products

Flexi Soft main module FX3-CPU2 (ACR)
ACR (Automatic Recovery Configuration) allows you to save the configuration of via EFI connected devices in the system plug. If the ACR function is active while exchanging equipment, the existing configuration will be automatically transferred to the newly connected sensor.

Drive Monitor FX3-MOC0
The Drive Monitor offers flexible and efficient drive monitoring. Therefore, it protects against hazardous machine movements with the target to make machine concepts more efficient. It is the perfect complement to the safety controller Flexi Soft.

Flexi Soft Gateway DeviceNet
The Flexi Soft Gateway enables the Flexi Soft System to send and receive non safety data for controlling and diagnostics into the external DeviceNet field bus system.

Improved usability
- Existing function blocks in the logic editor can be exchanged by other function blocks via drag & drop.
- Improved possibilities for report printing
- You can show references to logic sites with a right click on in- or output elements which are used in the logic editor

Version 1.4.0 SP1

General

- Implemented device support according to CDS 3.6.7 SP1
- Incorporation of the Turkish language in Flexi Soft Designer

Resolved issues

- Resolved an issue with the Flexi Soft Designer start-up screen that the status of the check box „Show support content" is not stored
- Resolved an issue with the report generation if a report for a verified project shall be generated and in the Documentation tree view "Configuration errors" is selected
    - Improved integration of Flexi Soft Designer into FDT/DTM frames

Version 1.4.0

General

- Supports Windows 7 (32- and 64-bit)
- Implemented device support according to CDS 3.6.6 SP2, including S300 mini and S3000 Expert
- New start-up screen with information on the Flexi Soft product family and links to tutorials for the first steps with Flexi Soft
- Incorporation of the Chinese language in Flexi Soft Designer
- New USB to RS-232 Configuration cable supported
    - USB to RS-232, 4-pin M8 cable – 2 m (P/N 6034574)
    - USB to RS-232, 4-pin M8 cable – 10 m (P/N 6034575)

Resolved issues

- Resolves issue that Flexi Soft Designer under Windows 7 required registration at each start up even if the registration process was already performed
- Resolves issue that jump addresses could not be saved on clip board
- Resolves memory allocation problem with Flexi Soft project files with more than 200 function blocks
- Resolves a problem with the use USB to RS232 converter (P/N 6035396) on Dell Laptops

Flexi Soft Gateways

- All TCP/IP capable Flexi Soft Gateways support now six connections per TCP/IP socket
- Flexi Soft EtherNet/IP Gateway FX0-GENT (Step V2.xx) – implemented support of Class 1 ("Implicit") messaging
- Flexi Soft PROFINET Gateway FX0-GPNT (Step V2.xx) – possibility to disable the PROFINET status LED if the device is only used for TCP/IP communication

Tag name handling

- Allows import and export of tag names from/to Excel or CSV format
- Allows the export of tag names and alarm messages into a Proface GP-Pro Ex format for an easy integration into a Proface HMI solution

Improved usability

- Provides more information to resolve issues which occur due to different firmware versions of Flexi Soft devices

- Improved copying functionality, as logic copying now includes markers
- Easy replacement of inputs and outputs in the logic editor. Simply drag the new input or output over the existing one and the input or output will be replaced

Version 1.3.0 SP1

- Update CDS DTMs to version 3.6.3 SP1
- Removed connection of Jump Addresses in Logic Editor remedied
- Performance of Logic Editor has been increased
- Improved image in wiring diagram for tested dual channel complementary elements
- Minimum size of station set to 800x600. If container is of less size then scroll bars will be shown
- Increased performance of Logic Simulation
- Identification problem of Scanners with CMS functionality remedied
- Updated function block descriptions

Version 1.3.0

- For the Flexi Soft product family several firmware versions and function packages exist that allow different functions. This table gives an overview which firmware version, which function package and/or which Version of the Flexi Soft Designer software is required to use a certain function or device. The features highlighted in blue are new in this version. For more information about these features, please read the Flexi Soft Software Users Manual 8012480/UE80.

	Minimum required firmware/software version		
Flexi Soft Feature	CPU Firmware	XTIO/XTDI Firmware	Flexi Soft Designer
Logic offline simulation	–[1]	–	V1.2.0
Logic import/export	–	–	V1.3.0
Two S3000 on one EFI interface	V1.00	–	V1.2.2
Automatic wiring diagrams	–	–	V1.3.0
Central tag name editor	–	–	V1.3.0
Flexi Link (only with CPU1)	V2.00 (Step 2.xx)	–	V1.3.0
Logic block documentation within the Designer	–	–	V1.3.0
Input/output relation matrix	–	–	V1.3.0
Invertable inputs for the AND, OR, RS Flip-Flop and Routing N:N function blocks	V2.00 (Step 2.xx)	–	V1.3.0
New function blocks (e.g. Ramp down detection, Adjustable delays)	V2.00 (Step 2.xx)	–	V1.3.0
Fast Shut Off with Bypass	V2.00 (Step 2.xx)	V2.00 (Step 2.xx)	V1.3.0
Verification without identical hardware possible	V2.00 (Step 2.xx)	–	V1.0.0
Status input data and Status output data in logic	V1.11 (Step 1.xx)	V2.00 (Step 2.xx)	V1.3.0
Several safety mats per XTIO/XTDI	–	V1.13	V1.3.0
Device	CPU Firmware	XTIO/XTDI Firmware	Flexi Soft Designer
ProfiNET, Modbus TCP, Ethernet/IP gateways	V1.11 (Step 1.xx)	–	V1.2.0
CANopen, CC-Link gateways	V1.11 (Step 1.xx)	–	V1.3.0
EtherCAT gateway	V2.00 (Step 2xx)	–	V1.3.0
0-Speed Monitor MOC3SA	–	–	V1.3.0

Notes

- o You can find the firmware version on the type label of the Flexi Soft modules in the field "Software version".
- o In order to use modules with a newer firmware version, a new Flexi Soft Designer version is required.
- o The version of the Flexi Soft Designer can be found in the **Extras** menu under **Info**.
- o The newest version of the Flexi Soft Designer can be obtained on the Internet under www.sens-control.com.
- o The function package (Step 1.xx or Step 2.xx) must be selected in the Flexi Soft Designer hardware configuration. Function package Step 2xx is available with Flexi Soft Designer 1.3.0 and higher.

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[1] "–" means "any" or "not applicable".

- In order to use function package Step 2.xx, the respective module must have at least firmware version V2.00. Otherwise you will receive an error message when you try to upload a configuration using Step 2.xx to a module with a lower firmware version.
- Newer modules are downward compatible so that any module can be replaced by a module with a higher firmware version.
- You will find the device's date of manufacture on the type label in the *S/N* field in the format yywwnnnn (yy = year, ww = calendar week, nnnn = continuous serial number in the calendar week).

- PROFIBUS gateway status display: Internal error "#cf0G485ErrCode_0x0203" fixed.

Version 1.2.2

- New installation routine. Fixes the problem that EFI devices are not available in the Flexi Soft designer due to a certain installation sequence of Flexi Soft Designer v1.2.1 and CDS 3.6.2

Version 1.2.1

- CDS- devices conform to the CDS version 3.6.2
- New element "Safety Mat Multi" is available. This makes the connection of up to two safety mats per module without extern diodes and four safety mats with extern diodes possible
- 64-Bit operating systems are supported.
  Windows 2000, Windows XP (32bit/64bit), Windows Vista (32bit/64bit).
  The Microsoft.NET Framework 2.0 is a prerequisite
- Flexi Soft Designer now in Japanese (not yet in every CDS-device)
- Bugs in the area of S300/S3000 EFI-connection are eliminated
- New EFI- devices "C4000 Fusion" and "S3000 Cold Store" are supported
- Improvements in the report section
- Many small issues concerning usability are corrected

Version 1.2.0

- Gateways integrated: Profibus-DP, Profinet, EthernetIP and ModbusTCP
- Force mode available for Logic Editor (CPU firmware 1.11 needed)
- Updated CDS components version 3.6.0
- Additional report page "Project Abstract" which contains information about project details and online status
- Support of current CPU firmware versions
- More detailed error messages on diagnostics page
- Spanish language available
- If configuration in Logic Editor is invalid, a report can be shown by clicking the upper right symbol
- Many small enhancements, e.g. Jump-Addresses can be renamed by double clicking them
- mini-Twin Icon inserted into input type list

Version 1.1.0

- Simulation mode integrated in the Logic editor
- Fast-Shut-off and message generator function blocks integrated
- Customized and grouped function blocks
- RS-232-routing for CPU integrated
- Customized tag names
- Improved usability, for example double clicking on I/O-Icons to populate)
- Safety relays UE10-2FG/UE12-FG integrated