
HELINKS Products and Services

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1. Scope of this Document

This document gives an overview on IEC61850 related products and services of HELINKS LLC.

2. HELINKS STS Professional Edition

HELINKS STS is a tool set for IEC61850 based Substation Automation System Engineering (SAS Engineering). It is designed to support a device independent top down engineering process according to part 4 and part 6 of the IEC 61850 Standard. The tool set comprises a

- System Specification Tool, a
- System Configuration Tool and
- Various utilities for SCL Handling.

Advanced graphical editors (Single Line Editor, Function Diagram Editor, System Diagram Editor) serve to build the SCL files for an SAS project.

Additional features are:

- Bay and Function Libraries
- Excel Import/Export of Signal List
- SCL import and export
- SCL direct editing and validation
- Signal Engineering
- Communication specification
- Automatic generation of IEC 61850 communication configurations (MMS Reports, GOOSE)
- Advanced documentation features

The software will be provided on the HELINKS STS portal as download version within 10 days after order reception.

The software is provided under the HELINKS STS Single User License Conditions.

See:

<http://helinks.com/data/documents/HELINKS-STS-general-license-conditions.pdf>

For the purpose of R&D, evaluation, training, demonstration, pilot projects and backup the customer is entitled to install several copies of the software on multiple computers and use them with multiple users.

3. HELINKS STS License Model

I. OVERVIEW

Helinks STS distribution is submitted to 4 different licensing models

- Single User License
- Project License
- Global License
- Source Code License

Single User Licenses and Project Licenses are the suitable licensing model for companies acting as System Integrators.

II. SINGLE USER LICENSE

The Single User License entitles one user at a time to use the software for a non-limited number of projects. However the tool must not be delivered as part of the project to the end customer. This applies also to backup copies of the project .

For non production purposes such as personal backup, education, evaluation, training , pilot projects or demo the Single User License can be used by multiple users on multiple computers.

Discounts are available for multiple users.

The price of the Single User License is listed in the currently valid HELINKS STS price list.

III. PROJECT LICENSE

The Project License is related to a specific project. A Project License should be delivered to the end customer as part of the project deliveries. In this case the System Integrator acts as reseller. A project license may be used by multiple users on multiple computers for sole purposes related to the project the license is bound to.

The price of the project license is listed in the currently valid HELINKS STS price list.

IV. GLOBAL LICENSE

The Global License is the suitable model for TSOs, DSOs and other utility end customers. Generally the Global License is linked to a Utility Package (Customized version of the Software) A Global License entitles the end customer to use the software for all substations owned by himself. The end customer may provide user rights of the software to a System Integrator. In this case the usage of the software by the System Integrator is subjected to the conditions of the Project License model. However in this case the System Integrator does not act as reseller.

Optionally the Global Licence can be extended to include the non exclusive right to access the HELINKS STS source code in case HELINKS is no more able or willing to maintain STS. This right is limited to the sole purpose of maintaining and evolving STS for the customers systems. It does not grant the right to sell the source code to third parties or to sub licence STS to third parties.

The price of the Global License is negotiated case by case. It generally is related to the number and voltage levels of the customers substations and systems.

V. SOURCE CODE LICENSE

The source code license is suitable for Vendors or Software companies which intend to include HELINKS STS or parts of it as OEM version into their own products.

Terms and prices of the Source Code License will be negotiated case by case.

4. Vendor Packages

Vendor Packages are plug ins for HELINKS STS which provide improved support for a particular IED manufacturer. The automatic generation of an SCD communication configuration generally requires a Vendor Package in order to take into account specific options of this manufacturer.

Vendor packages are supplied free of charge.

Available Vendor Packages are:

- ABB
- Siemens
- Alstom Grid
- Schneider Electric
- GE
- StreamX
- A.Eberle
- Camille Bauer
- Copa Data Zenon

Vendor Packages for the following Manufacturers are in preparation:

- SEL
- Nari Relays

5. Regular Software Updates

HELINKS issues new releases of STS 4 times a year. If enabled, the update happens automatically, but it can also be done manually. The first-year after buying a license, updates are free of charge. They are included in the purchase price. After the first year we charge 15% of the total license costs for the regular updates.

6. Standard Support Contract

The Standard Software Support Contract comprises software updates and bug fixes of purchased product versions and eMail/web-conference support for the duration of the products life cycle and the terms of the contract.

Updates and bug fixes are delivered as scheduled in the HELINKS development plan. Response to support requests is generally within 2 working days.

7. Training Contents

Intended audience for this training are substation and system engineers. The participants should be familiar with IEC61850 and with the substation engineering process in general.

The training consists of 2 parts. The first part introduces the tool, the main concepts and the usage of the major tool features.

On the second part we will implement an example project. This part is highly interactive. We define together the functional scope of a project and select IED's we want to use. Based on this we engineer and discuss the solution.

- Training language will be English/ optionally German or French
- Maximum number of participants : 5
- Training will be held at Customers site. Customer will provide a meeting room with internet access, flip chart/whiteboard and projector.
- Each participant should bring a (portable) PC with Windows XP or higher nfor the hands on part of the training.

8. HELINKS STS Evaluation Workshop

This 1- or 2-day workshop is offered to allow our customers to efficiently assess and evaluate HELINKS STS.

The workshop will be a mix of STS tool tutorial, IEC 61850 engineering process and custom specific evaluation discussion. At the end of the workshop a customer will have a comprehensive overview off the tool functionalities and how they apply to his environment.

9. IEC 61850 Design workshop (2-4 days)

This workshop serves to identify the automation and protection functions, select the appropriate Logical Nodes and signals (Data Attributes). Together we define typical bays with their functions and signals. We discuss the IEC 61850 Data Attribute mapping to the utilities signal definitions. Generally this is a lengthy process. In the workshop we will be able to cover some examples and settle the procedures..

Results of this workshop are

- an IEC61850 SSD File produced with the HELINKS Single Line Editor and Function Editor.
- a PDF System Specification document produced with HELINKS STS Document Generator.
- an IEC 61850 example Signal List
- an example of a customer specific library

10. IEC 61850 Integration workshop (3-4 days)

Goal of this workshop is to create an SCD file (System Specification Description) based on an existing IEC 61850 specification (SSD File). Starting with IED Capability Descriptions (ICD Files) we will

- Instantiate the IEDs from different vendors. We will observe how STS integrates IEC 61850 Data Type Definitions from different vendors. The IEDs will be connected to a single subnet.
- We will do a mapping of the IEDs, Logical Nodes and Data Attributes to the physical process (Single Line) according to the specification.
- We will create MMS Reports and GOOSE message configurations based on the specification and finally
- Load the resulting SCD into the IEDs and run them.

Prerequisite for the last step is a working Lab environment with IEDs, proper firmware and corresponding IED Tools. Implementation of the functions and IED Application Programming is not part of the workshop.

11. Custom Software Development & Engineering

HELINKS STS is a modular set of software tools. Additional independent plug-ins can interact with the core software in order to customize data structures and engineering process support. HELINKS provides software development services for our customers to implement specific requirements

12. Consultants and Trainers

For each of our services we are able to provide experienced consultants and trainers with a well-known reputation in the IEC61850 community

13. Summary and prices

HELINKS STS Professional Edition Single User License which includes:

- System Specification Tool
- System Configuration Tool
- Actual available Vendor Packages (see list of available Vendor Packages)
- 1 Year regular updates

7'200,-€

I. DISCOUNTS

No Licenses	Price	Total
1	€ 7'200	€ 7'200
2	€ 6'200	€ 12'400
3	€ 5'600	€ 16'800
4	€ 5'200	€ 20'800
5	€ 4'900	€ 24'500
6	€ 4'700	€ 28'200
7	€ 4'500	€ 31'500
8	€ 4'300	€ 34'400
9	€ 4'200	€ 37'800
10	€ 4'100	€ 41'000
11	€ 4'000	€ 44'000
12	€ 3'900	€ 46'800
13	€ 3'800	€ 49'400
14	€ 3'700	€ 51'800
15	€ 3'630	€ 54'450
16	€ 3'560	€ 56'960
17	€ 3'500	€ 59'500
18	€ 3'440	€ 61'920

19	€ 3'390	€ 64'410
20	€ 3'340	€ 66'800
21	€ 3'290	€ 69'090
22	€ 3'250	€ 71'500
23	€ 3'210	€ 73'830
24	€ 3'170	€ 76'080
25	€ 3'130	€ 78'250
26	€ 3'100	€ 80'600
27	€ 3'070	€ 82'890
28	€ 3'040	€ 85'120
29	€ 3'010	€ 87'290
30	€ 2'980	€ 89'400

HELINKS STS Project License for delivery on site with a project:

- System Specification Tool
- System Configuration Tool
- Actual available Vendor Packages (see list of available Vendor Packages)

3'600,-€

II. DISCOUNTS PROJECT LICENSE

No of Licenses	Project License	Project License Total
1	€ 3'600	€ 3'600
2	€ 3'100	€ 6'200
3	€ 2'800	€ 8'400
4	€ 2'600	€ 10'400
5	€ 2'450	€ 12'250
6	€ 2'350	€ 14'100

7	€ 2'250	€ 15'750
8	€ 2'150	€ 17'200
9	€ 2'100	€ 18'900
10	€ 2'050	€ 20'500
11	€ 2'000	€ 22'000
12	€ 1'950	€ 23'400
13	€ 1'900	€ 24'700
14	€ 1'850	€ 25'900
15	€ 1'815	€ 27'225
16	€ 1'780	€ 28'480
17	€ 1'750	€ 29'750
18	€ 1'720	€ 30'960
19	€ 1'695	€ 32'205
20	€ 1'670	€ 33'400
21	€ 1'645	€ 34'545
22	€ 1'625	€ 35'750
23	€ 1'605	€ 36'915
24	€ 1'585	€ 38'040
25	€ 1'565	€ 39'125
26	€ 1'550	€ 40'300
27	€ 1'535	€ 41'445
28	€ 1'520	€ 42'560
29	€ 1'505	€ 43'645
30	€ 1'490	€ 44'700

Utility package base permitting a customized version of HELINKS STS.	3'000,-€
1 year of software updates (4 updates per year)	15% of total license volume
Standard Support Contract:	1'995,-€
Helinks STS Evaluation workshop 1 day: Includes one evaluation license and travel costs inside Europe	'400,-€
Helinks STS Evaluation workshop 2 days: Includes one evaluation license and travel costs inside Europe	3'650,-€
HELINKS STS Tool Training (mandatory if license is ordered): 1 day training at customer site for up to 5 participants	2'900,-€
Helinks STS Tool Training: 2 days training at customer site for up to 5 participants	4'800,-€
IEC 61850 Modeling and Application Design 4 days workshop at customer site with up to 5 participants	7'200,-€
IEC 61850 IEC 61850 Integration workshop 4 days workshop at customer site with up to 5 participants	7'200,-€
Pilot project coaching and participation 2- 6 workshops depending on complexity of the project and support on demand	Starting from 12'000,-€
Custom Software Development	950,-€ / day
Project engineering (if not offered as fix price, discounts available) IEC 61850 Expert	1250,-€ / day

We hope the products and services exposed in this portfolio will be useful for your company and projects. If you have any questions, please do not hesitate to contact us. We will be glad to respond to your needs in the best possible way to add real value to your projects.

Zug, 03/04/2019