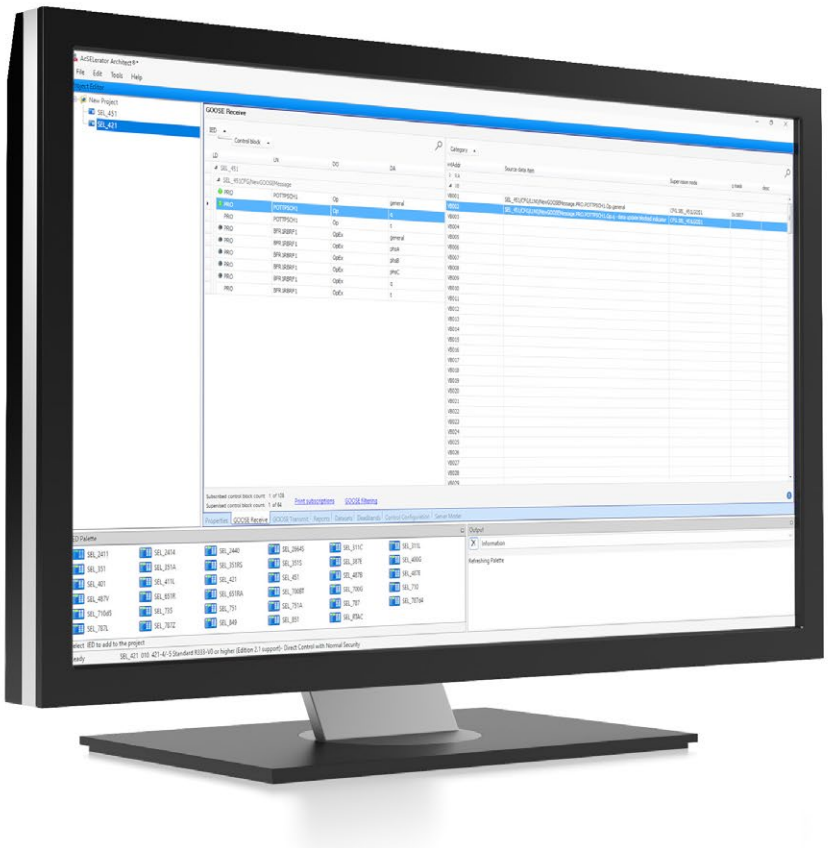
ACSELERATOR Architect®

SEL-5032 Software



Simplify IEC 61850 configuration for SEL devices

- Configure and manage IEC 61850 communications protocols.
- Visualize configured message and control implementations.
- Use reports and diagnostics to fix configuration errors.
- Import and export Substation Configuration Language (SCL) files.
- Edit the IEC 61850 server model for SEL devices.

Architect configures IEC 61850 systems, including GOOSE messaging, Sampled Values (SV), or Manufacturing Message Specification (MMS), for process bus and station bus networks. Easily create and edit projects for SEL devices by using its intuitive software interface.

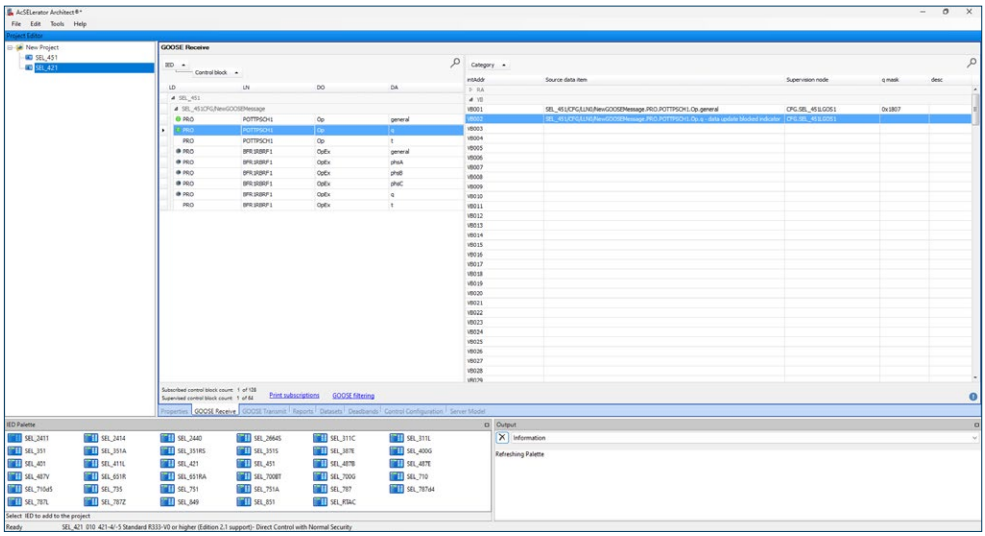
Architect supports the following SCL files:

- SCD—Substation Configuration Description
- ICD—IED Capability Description
- CID—Configured IED Description
- IID—Instantiated IED Description

Reduce engineering effort by using SCL files to build device-specific IEC 61850 configurations. The standardized organization of information within SCL enables interoperability between devices from different suppliers as well as streamlined file export. SEL ICD files describe IEC 61850 communications capabilities, which are imported into Architect, configured for GOOSE, SV, or MMS reporting, and then sent to SEL devices as a CID file or exported for use in other software. Additionally, other suppliers' SCL files can be imported into Architect for SEL devices to subscribe to those GOOSE, SV, or MMS reports.

Navigate Projects Efficiently

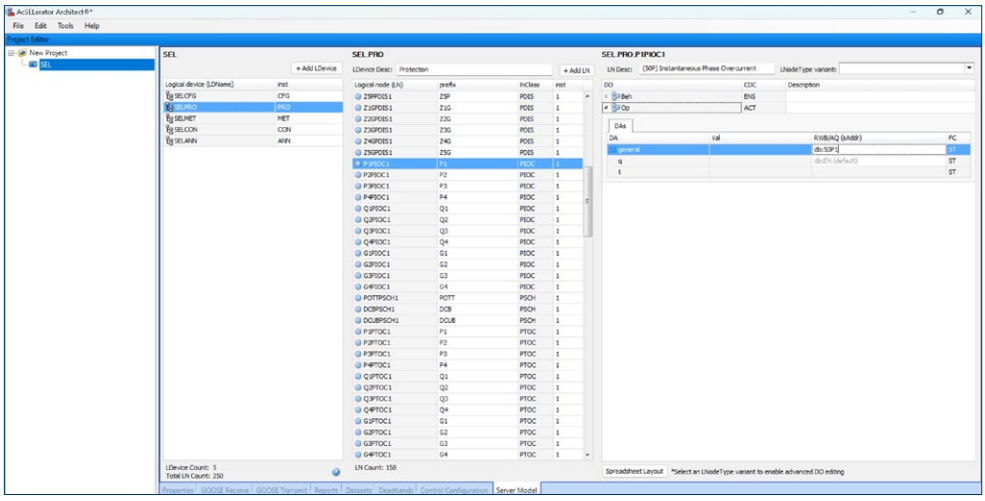
Design and configure SEL devices in IEC 61850 installations. Simply drag and drop devices from the IED Palette to the Project Editor, or right-click in the Project Editor to select a device from a list. Tabs in the software clearly distinguish between IEC 61850 protocol types to simplify the configuration process.



Edit Server Model to Meet Project Needs

In the Server Model tab, view and edit the SEL IED server model logical device, logical node, data object, and data attribute for supported devices. For more information, refer to the instruction sheet, *ACSELERATOR Architect Flexible Server Model*.

selinc.com/api/download/140681



Tools in Architect

IED Upgrade

Upgrade old CID files to new versions of the standard for added features.

Deploy CIDs

Deploy CID files to multiple SEL devices in the SCD project file.

Clone Data Sets

Clone data sets for common SEL device applications to avoid repetitive and error-prone processes.

Project Builder

Build an SCD project from several SCL file types, including SCD and CID files. Reconstruct lost SCD files or easily create common SEL device applications where the CID or SCD contain common device configurations.

Semantic XML Compare

Compare two SCL files to identify differences in the files.

Schema Validator

Compare and validate the schema of an SCL file against published versions of the IEC 61850 standard.

Server Model

View and edit the SEL IED server model logical device, logical node, data object, and data attribute.

Print Subscriptions and Reports

Document device configurations using MMS reports and GOOSE and SV subscriptions.

Document Device Configurations

Print and export MMS reports and GOOSE and SV subscriptions to document device configurations and add them to existing workflows.

Reports

Type	Name	ID	Dataset	Description	ClientLNs
Buffered	BRep01	BRep01	BRDSet01	Buffered Report 01	0 / 1
Buffered	BRep02	BRep02	BRDSet02	Buffered Report 02	0 / 1
Buffered	BRep03	BRep03	BRDSet03	Buffered Report 03	0 / 1
Buffered	BRep04	BRep04	BRDSet04	Buffered Report 04	0 / 1
Buffered	BRep05	BRep05	BRDSet05	Buffered Report 05	0 / 1
Buffered	BRep06	BRep06	BRDSet06	Buffered Report 06	0 / 1
Buffered	BRep07	BRep07	BRDSet07	Buffered Report 07	0 / 1
Unbuffered	URep01	URep01	URDSet01	Unbuffered Report 01	0 / 7
Unbuffered	URep02	URep02	URDSet02	Unbuffered Report 02	0 / 7
Unbuffered	URep03	URep03	URDSet03	Unbuffered Report 03	0 / 7
Unbuffered	URep04	URep04	URDSet04	Unbuffered Report 04	0 / 7
Unbuffered	URep05	URep05	URDSet05	Unbuffered Report 05	0 / 7
Unbuffered	URep06	URep06	URDSet06	Unbuffered Report 06	0 / 7
Unbuffered	URep07	URep07	URDSet07	Unbuffered Report 07	0 / 7

MMS Reports

Drag a column header here to group by that column

Subscriber IED	IED type	desc	Subscription status	Service type	intAddr	Publisher IED	Source data item	Supervision node	Source	Operator blocked	Control block
= SEL_411L2S			=	=							
SEL_411L2S	SEL_411L_2S		Connected	GOOSE	VB001	SEL_401	SEL_401/CFG/LLN0/BreakerFail.PRO.BFR1RBRF1.OpEx.general	CFG.SEL_401LGOS1	False	True	BreakerFail

GOOSE and SV Subscriptions

Architect Specifications

Minimum System Requirements	
Operating System	Microsoft Windows 10 Microsoft Windows 11 Microsoft Windows Server 2019
Processor	1 GHz processor
RAM	512 MB
Required Third-Party Software	Microsoft .NET Framework 4.6

Watch videos about how to use Architect, and download the latest software version at selinc.com/products/5032.

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