

RsbSm - Statemachine library

Defined handling of any state machine.

Offers everything developers need—user-friendly and diagnosable.

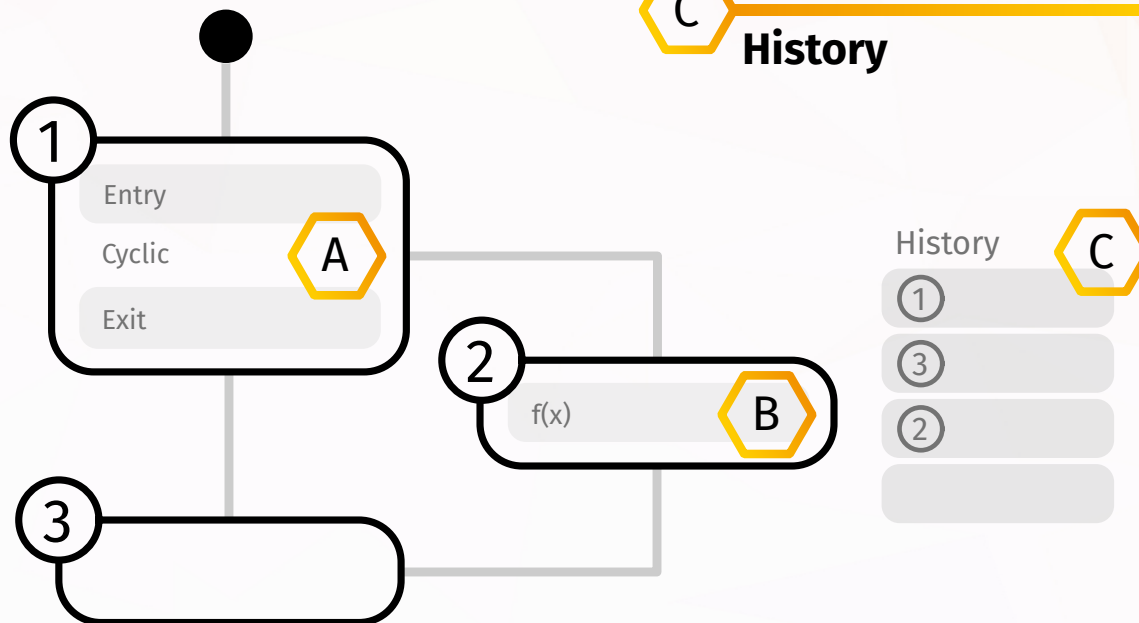
Standardized interface
Integrated documentation
Extendable
Modular / Flexible
Diagnosable
Configurable
Tested
Future ready

RSB Solutions
Automation Studio libraries

A Separation of state into
Entry- Cyclic-Exit-Phase
State-Phase handling

B Predefined transition functions based on
condition or time
Transition functions

C Freely scalable history for traceability
of processes with time measurement.
History



Rsblo - IO abstraction library

Comprehensive IO abstraction at the software level for optimal and flexible connection of any inputs and outputs.

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 **RSB Solutions**
Automation Studio libraries

Scaling, filtering, inverting
forcing, range check.

B

Extensive functions

processing as single function blocks
or with a single function call for each direction

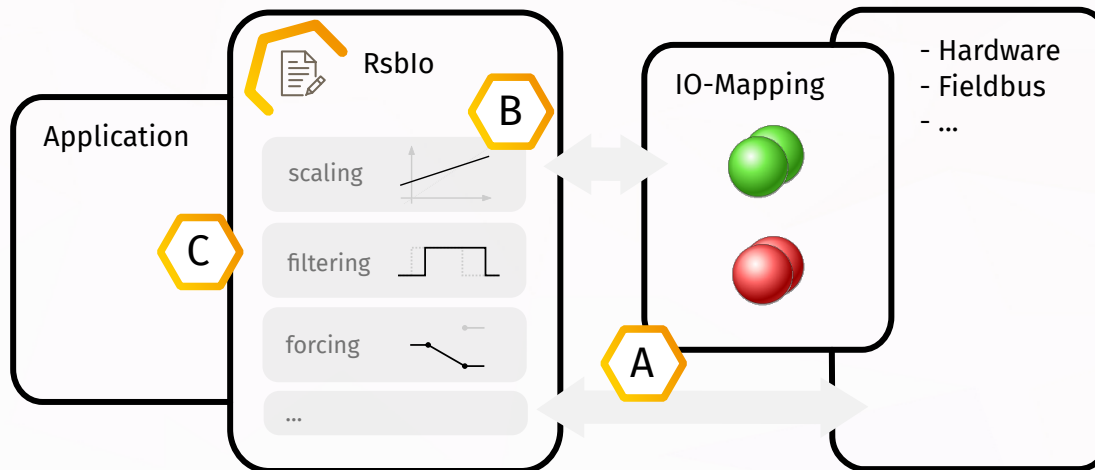
C

Flexible usage

Hardware / interface independant
abstraction of any datatype

A

Hardware-abstraction



RsbDevLog - Developer logger library

Get everything out of the developer logbook with the simplest possible access and lay the foundation for diagnosable software.

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RSB Solutions
Automation Studio libraries

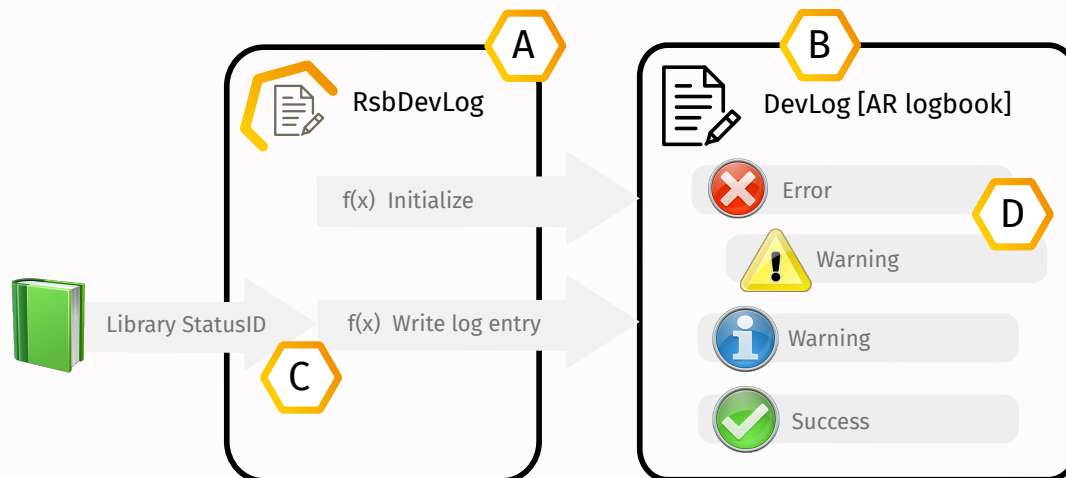
A Writing to logbook with functions instead of function blocks
Simple logbook access

D Offering easy way to use hierarchical log entries
EventID handling

C Handling 16bit legacy or 32it EventID.
EventID handling

B Easy creation of a logbook. No need to store ids
Variable logbook name

Many additional features like line numbers or simplified macros
Additional features



RsbPrgCom - program communication library

Freely and dynamic configurable inter program communication library.
Exchanging data consistently with definable interfaces and layers.

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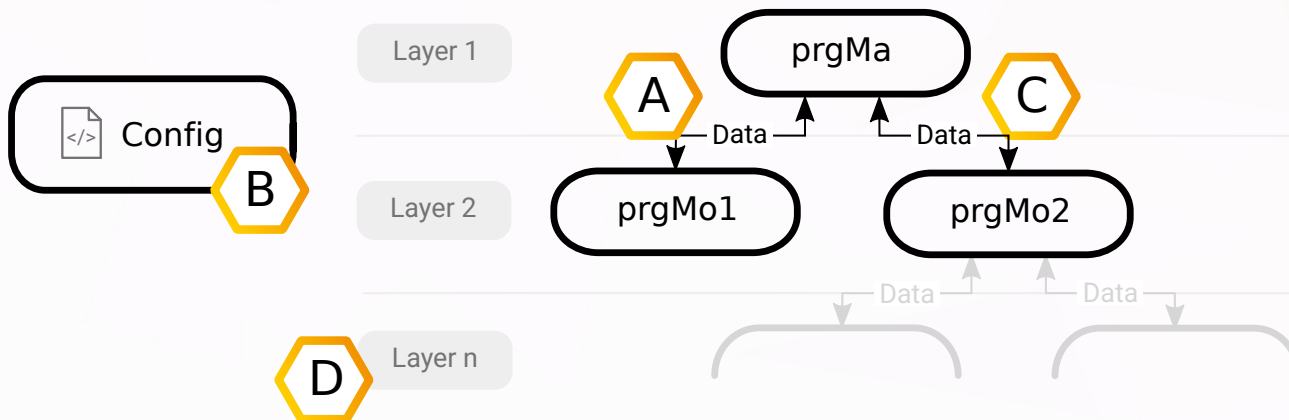
RSB Solutions
Automation Studio libraries

B Program-relations configurable
with XML-files
Freely configurable

A Consistent data exchange
between process-programs
Consistent data exchange

D Freely extendable program
hierarchy. The key to modularity.
Scalable hierarchy


C Definable interfaces structured and
definable direction of the data flow
Defined data flow



RsbLic - License handling library

Handling license handling for limitations or feature activation.
Based on hardware-bound encrypted license files.

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 **RSB Solutions**
Automation Studio libraries

B

Hardware-bound license-file with a customer-specific encryption algorithm.

Customer-specific

C

Project to create a hardware-bound license file

License-generator

D

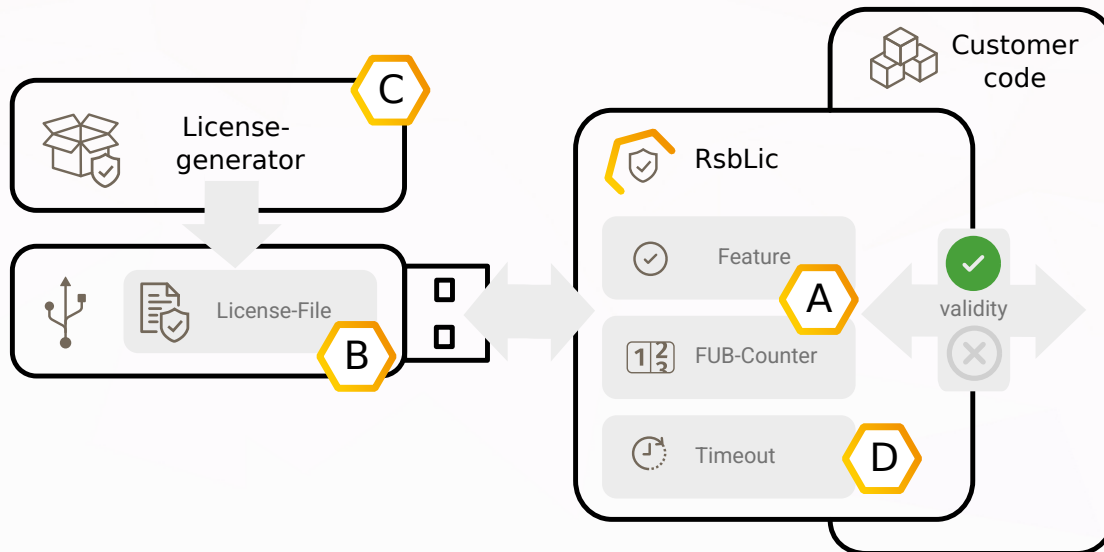
Configurable timeout as on-site action time window

Timeout-handling

A

Definable number of function block instances or unlocked a single feature

Freely gradable



RsbHal - Hardware abstraction library

Comprehensive abstraction at the software level for optimal and flexible connection of any hardware.

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 **RSB Solutions**
Automation Studio libraries

A

Offering a more dynamical way to access hardware during runtime

Extended access

B

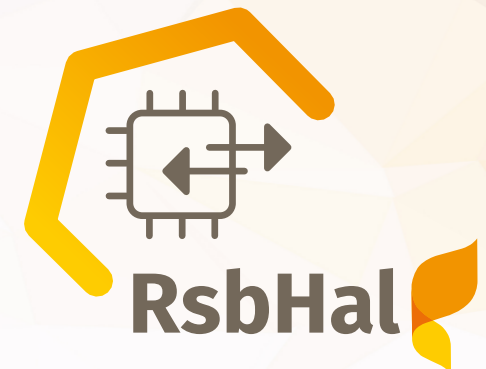
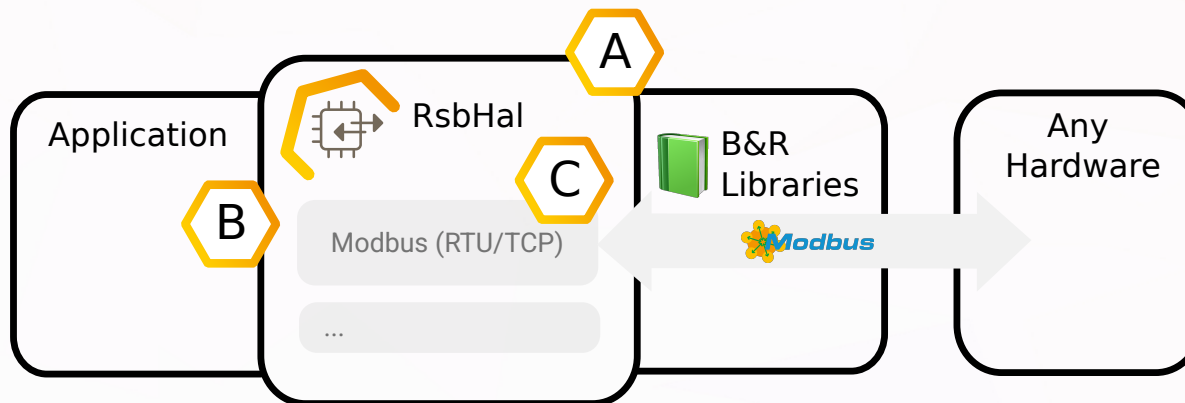
Offer more extensive diagnostic options

Diagnosis

B

Simple abstraction of any modbus device.
Configurable during runtime, with initialization list and definable cycle times.

Modbus RTU/TCP



RsbTmpl - Function block template

Template library for easy and fast creation of new function blocks. The starting point of standardization.

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RSB Solutions



Automation Studio libraries

Predefined command samples with state return.

C

Command-handling

Structures and variables with defined function, direction and behaviour

A

Clearly defined interface

Enabling / disabling statemachine and main-statemachine body

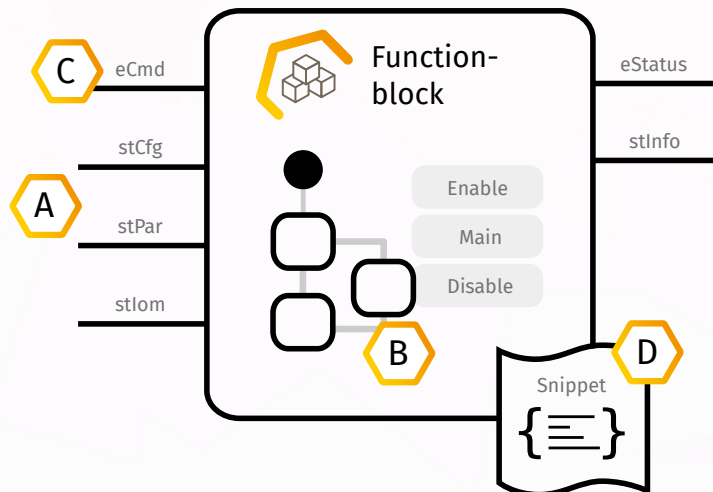
B

Standard statemachines

Fast creation of function block including all necessary elements.
Freely nameable

D

Code snippet



RsbTmpl