

## Feature Availability List

| Feature / Enhancement  | Workbench improvement | Target improvement | Version 4.21 | Version 4.51 | Version 5.0 | Version 5.1 |
|--|-----------------------|--------------------|--------------|--------------|-------------|-------------|
| Function Blocks in SFC   | X                     | X                  | X            | X            | X           | X           |
| Monitoring mode license  | X                     |                    | X            | X            | X           | X           |
| Single-resource editing mode   | X                     |                    | X            | X            | X           | X           |
| Password protection  | X                     |                    | X            | X            | X           | X           |
| Read-only mode   | X                     |                    | X            | X            | X           | X           |
| Coherency verification between workbench project and runtime code  | X                     | X                  | X            | X            | X           | X           |
| I/O limited license for Multiscan and Distributed licenses   | X                     |                    | X            | X            | X           | X           |
| Compiler runs in separate thread (can be stopped)  | X                     |                    | X            | X            | X           | X           |
| No need to recompile project after compiling 1 resource  | X                     |                    | X            | X            | X           | X           |
| Symbol table is automatically sent to target during online change  | X                     |                    | X            | X            | X           | X           |
| Events Viewer in Workbench displays target errors  | X                     |                    | X            | X            | X           | X           |
| Step-by-Step debugging for ST, IL, LD  | X                     | X                  | X            | X            | X           | X           |
| Can change mapping of I/Os during online change  | X                     | X                  | X            | X            | X           | X           |
| Project backup is made when updating   | X                     |                    | X            | X            | X           | X           |
| Compilation speed improved by 86% since 4.20   | X                     |                    |              | X            | X           | X           |
| Import/export projects, configs, resources, POUs   | X                     |                    |              | X            | X           | X           |
| Embed source files for projects, configs, resources on target  | X                     | X                  |              | X            | X           | X           |
| System variables available in variable selector window   | X                     |                    |              | X            | X           | X           |
| Version Source Control Mechanism   | X                     |                    |              | X            | X           | X           |
| Workbench saving time improved   | X                     |                    |              | X            | X           | X           |
| Variable bindings possible between different projects  | X                     | X                  |              | X            | X           | X           |
| Improved document generation   | X                     |                    |              | X            | X           | X           |
| Enhanced debugging and simulation<br>- values of locked variables in dictionary, LD, FBD<br>- monitoring of block output values                                    | X                     |                    |              | X            | X           | X           |
| Improved FBD editor:<br>-optional display guidelines<br>-variable selector supports array and structure elements<br>-display value of any array or structure field | X                     |                    |              | X            | X           | X           |
| Syntax coloring in ST, IL  | X                     |                    |              | X            | X           | X           |
| Modular installation   | X                     |                    |              | X            | X           | X           |
| OPC server supports multiple projects  | X                     |                    |              | X            | X           | X           |
| Enhanced ProHook and Propi   | X                     |                    |              | X            | X           | X           |

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|---|-----------------------|--------------------|--------------|--------------|-------------|-------------|
| IEC61499 programming  | X                     | X                  |              |              | X           | X           |
| New data types: USINT, BYTE, WORD, LINT, etc...                   | X                     | X                  |              |              | X           | X           |
| HiBeam version 1.3 supports new data types                        | X                     |                    |              |              | X           | X           |
| Compilation Speed improved by 100% since 4.20                     | X                     |                    |              |              | X           | X           |
| Faster OPC Server   | X                     |                    |              |              | X           | X           |
| Project Tree in Workbench   | X                     |                    |              |              | X           | X           |
| Distribution View for IEC61499 programs                           | X                     |                    |              |              | X           | X           |
| Customizable colors and fonts                                     | X                     |                    |              |              | X           | X           |
| Custom bitmaps in hardware view                                   | X                     |                    |              |              | X           | X           |
| Print to Word, in landscape, on multiple pages                    | X                     |                    |              |              | X           | X           |
| Enhanced and simplified SFC level 2 editing                       | X                     |                    |              |              | X           | X           |
| Workbench and editors with new icons                              | X                     |                    |              |              | X           | X           |
| Support of ISaGRAF 3 targets within the workbench (Beta version)  | X                     |                    |              |              |             | X           |
| IEC61499 Composite FB are now written in FBD rather than ST       | X                     |                    |              |              |             | X           |
| Can change the language without reinstalling the workbench        | X                     |                    |              |              |             | X           |
| Debug POU located in Library from workbench debug mode            | X                     |                    |              |              |             | X           |
| In LD and FBD can display the comment or not for ALL variables    | X                     |                    |              |              |             | X           |
| Can create FB instances from Select block dialog                  | X                     |                    |              |              |             | X           |
| Variable selector offers more filters                             | X                     |                    |              |              |             | X           |
| Defined words values are displayed in debug mode for LD and FBD   | X                     |                    |              |              |             | X           |
| Openmodbus server and client and CANBUS generic drivers available | X                     | X                  |              |              |             | X           |
| Service interface FB for Holobloc and IXL                         | X                     | X                  |              |              |             | X           |
| Improved Search and Replace with more scopes of search            | X                     |                    |              |              |             | X           |
| Floating license for workbench and Windows target                 | X                     | X                  |              |              |             | X           |
| Online change improvements for Bindinds and IO wiring             | X                     | X                  |              |              |             | X-SP1       |