



## TS 2 Transfer System

### ctrlX PLC Libraries

## CTRLX PLC LIBRARY FOR CONVENIENT SOFTWARE DEVELOPMENT

Are you frustrated by software delays, costly commissioning issues, and the inability to test without hardware? Are non-standardized signals and complex material flow control logic slowing your development, causing recurring work and inefficient application? Imagine overcoming these challenges.

We offer an integrated solution for early, comprehensive software development, even before hardware is available. Pre-configurable function blocks and validated simulation objects drastically accelerate PLC code generation and simulation model development for virtual commissioning. Our solution promotes harmonized planning and signal synchronization.

The result? Reduced commissioning times, improved software quality, and seamless material flow from planning to virtual commissioning. Achieve efficient, future-proof development.

## Advantages at a glance



Configurable PLC function blocks significantly shorten programming time



Predefined simulation objects reduce the effort for virtual commissioning



Enhanced stability and interoperability with other system components



Early error handling during software development increases software quality



Speed up engineering by parallel development of software and hardware



Supports integrated software engineering from design to validation up to application



Foundation for automated software engineering for automation systems

## Components



Bosch Rexroth **Transfer Systems** ensure smooth, flexible material transport for all weight classes

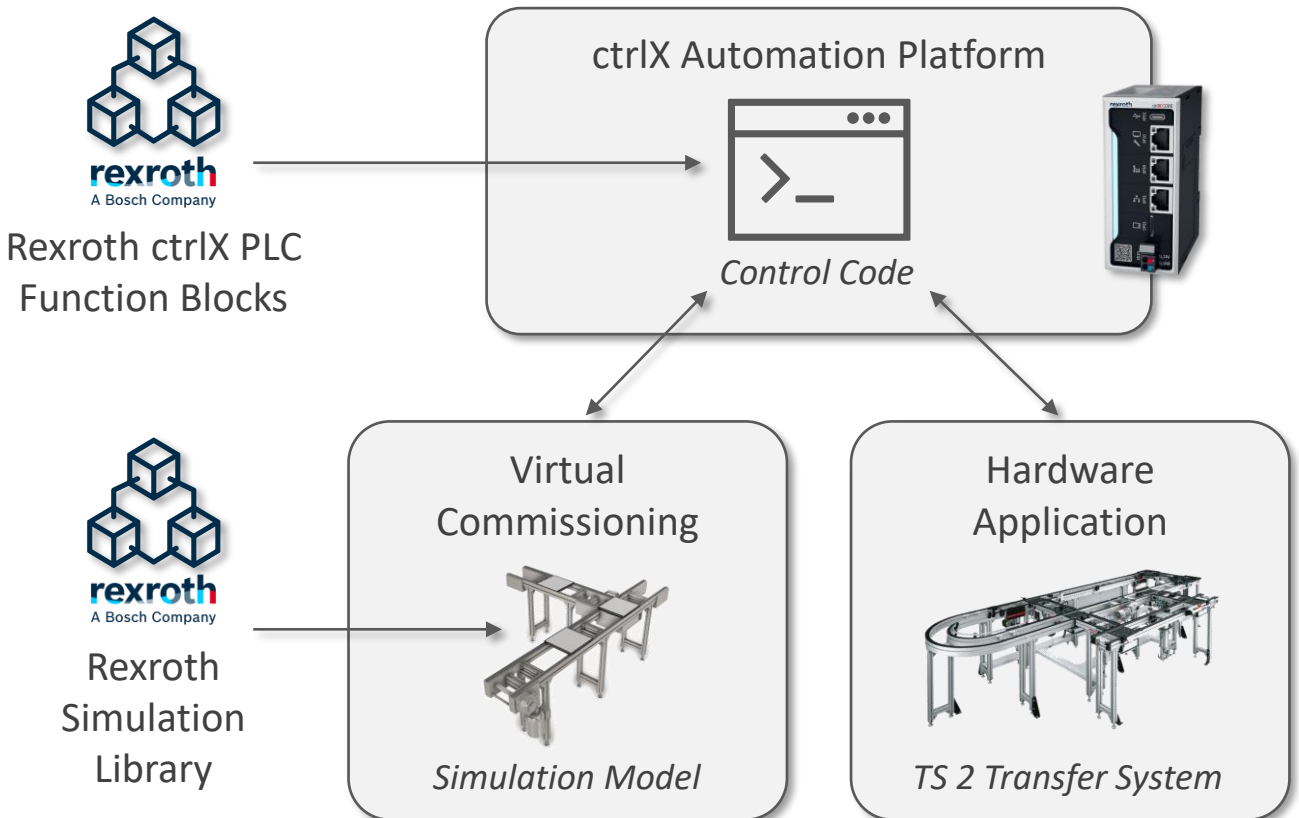


Bosch Rexroth **PLC Library** provides pre-configured function blocks to accelerate the generation of PLC code and virtual commissioning by simulation. It streamlines processes by offering validated and ready to use components. This reduces the effort for coding and model creation, enabling quicker prototyping and reduced application times.



The **ctrlX Automation Platform** from Bosch Rexroth controls processes and transport tasks and provides a flexible system interface

## System Landscape



## Contact

**Richard Verbeet**  
 DC-AT/ESP1  
 Richard.Verbeet@boschrexroth.de