

# Overview

Welcome to the *Control Design Exchange User's Guide!*

This guide is intended for users who need to become quickly familiar with the product.

This overview provides the following information:

- [Control Design Exchange in a Nutshell](#)
- [Before Reading this Guide](#)
- [Getting the Most Out of this Guide](#)
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## Control Design Exchange in a Nutshell

This product, which is developed in partnership with Rockwell, allows control and mechanical engineers to exchange the definition of the common devices within the 3D and controls discipline.

This synchronization enables simultaneous mechanical and control design. Changes made in DELMIA Automation can be pushed into the RSLogix 5000 project, changes made to the control system can be pushed back into the DELMIA Automation design.

The following data are synchronized:

- Ports of Smart Devices (Automation) are matched with the Rockwell Add-on Instruction (AOI) parameters.
- Devices of DELMIA Automation are matched with Rockwell AOIs.

The command **Synchronize with RSLogix5000** is available in the **CLM Device Logic Design** and **CSM Device Control Connection** workbenches. The synchronization can be done in product or process contexts.

## Before Reading this Guide

Before reading this guide, you should be familiar with basic Version 5 concepts such as document windows, standard and view toolbars. Therefore, we recommend that you read the *Infrastructure User's Guide* that describes generic capabilities common to all Version 5 products. It also describes the general layout of V5 and the interoperability between workbenches.

You may also like to read the following complementary product guides:

- CLM Device Logic Design
- CSM Device Control connection

## Getting the Most Out of this Guide



To get the most out of this guide, we suggest that you start reading and performing the step-by-step scenarios in the [User Tasks](#) section. These tasks illustrate the product's main functionalities. The [Reference](#) section provides useful complementary information.

The [Workbench Description](#) section describes the commands that are specific to Control design Exchange.