



Guide

# Install Quadri Connector for OpenRoads Designer

 CONNECTED CONSTRUCTION

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## Compatibility

The OpenRoads Designer CONNECT Edition must be installed to your computer.

Version: 2020 Release 1 (10.08.00.88) - Release 3 (10.09.00.91)

## Download and install

To install the connector do the following:

1. Download the following files:
  - a. setup.exe
  - b. OpenRoadsQuadriConnector.msi
2. Run setup.exe. Running this file should add the following dll to Mdlapps-folder
  - a. DCM\_NDAPI\_C.DLL
  - b. Novapoint.Service.Client.DLL
  - c. Novapoint.Service.DLL
  - d. Novapoint.Service.TaskConnector.DLL
  - e. OpenRoadsQuadri.dll

.... and copy task templates to folder Mdlapps\OpenRoadsQuadri\Template\OpenRoads

Default path for Mdlapps-folder:

C:\Program Files\Bentley\OpenRoads Designer CONNECT Edition\OpenRoadsDesigner\mdlapps

## Setup inside OpenRoads Designer

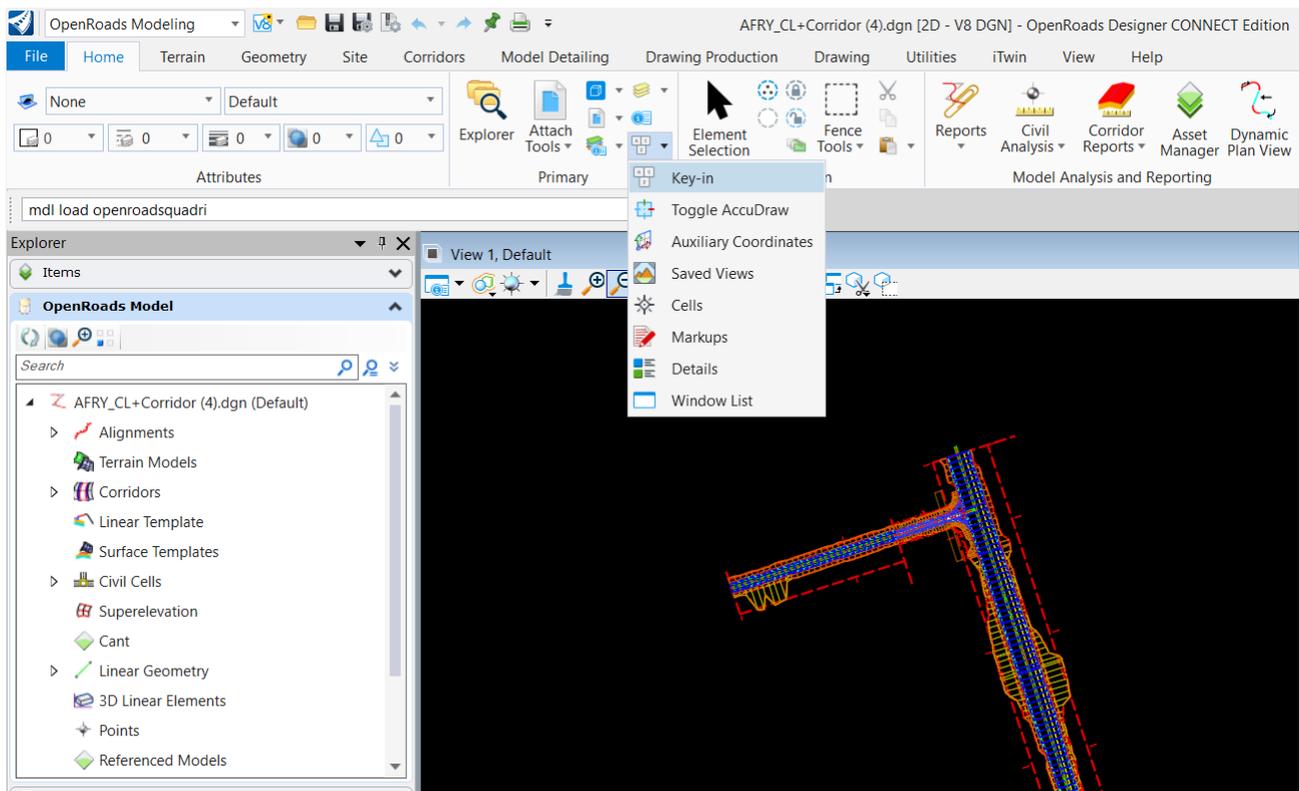
In OpenRoads Designer, open a model that has objects you want to export to Quadri, and in the OpenRoads Key-in toolbar, type:

**mdl load openroadsquadri**

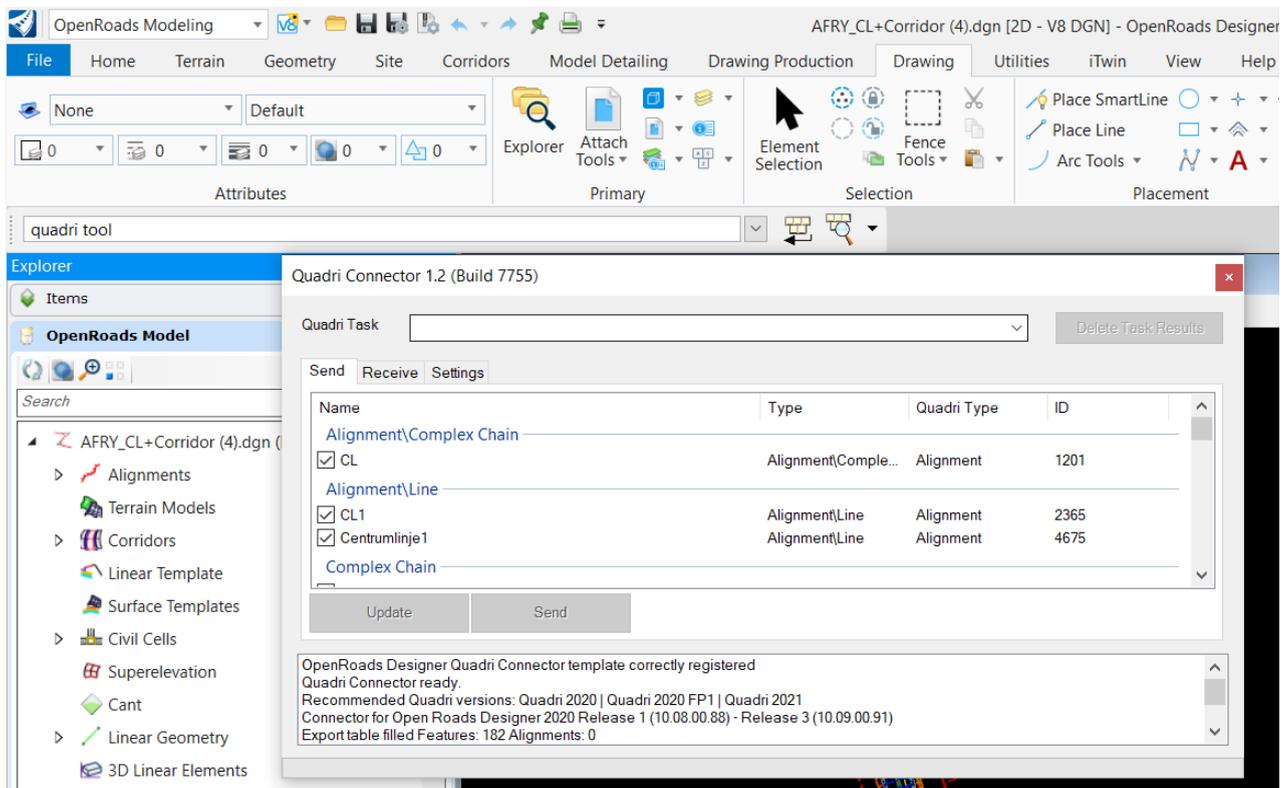
This will load the OpenRoads MDL/Plugin that contains the connector.

If everything went well, you will notice that the status bar at the bottom shows the message:

**QUADRI loaded**

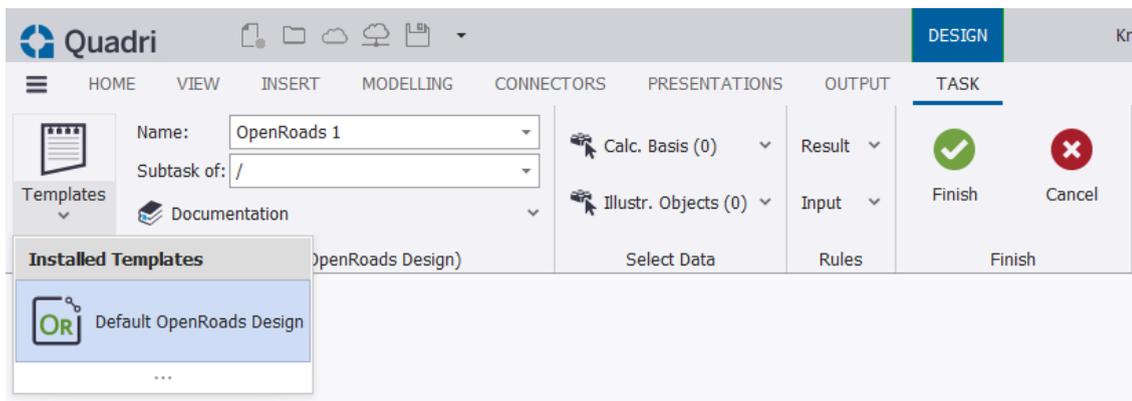
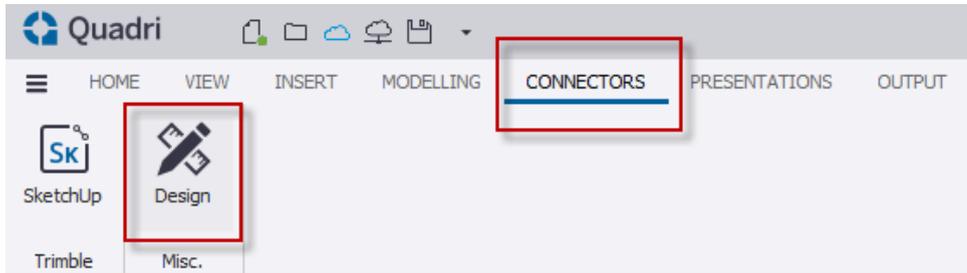


At this point open Quadri 2021 with any project if it is not yet open. Then run the command `quadri tool`. Running this command will open the tool dialog, but also copy task templates to Quadri AppData folder:  
 C:\Users\\AppData\Roaming\Trimble\Quadri\23.00  
 \Configuration\Default\ExternalTemplates\Tasks\GeneralDesign\OpenRoads



## Inside Quadri for Windows

Find the OpenRoads Designer default template inside Quadri for Windows. Open the “Design” task from Connectors ribbon and see the available templates.



## List of supported connector commands

- **quadri install:** This command is required for first time usage of the Connector, since it registers the OpenRoads Task template in Quadri Desktop.
- **quadri connect:** A simple test to detect an available Quadri Desktop instance running where the model can be exported.
- **quadri export:** Iterates the model data in the ORDCE open model and exports it to Quadri Desktop, creating a new task with an arbitrary name.
- **quadri export [taskname]:** Iterates the model data in the ORDCE open model and exports it to the Quadri Desktop OpenRoads task named taskname, or creates such task if it does not exist.
- **quadri import [taskname]:** Attempts to find an OpenRoads task in Quadri Desktop with the given name, and if this exists, attempts to import the data in the task Calculation Basis.
- **quadri tool:** Opens the Connector GUI.
- **quadri version:** Display Connector version information within OpenRoads Designer