



Guide

Install Quadri Connector for OpenRoads Designer

 CONNECTED CONSTRUCTION

Install Quadri Connector for OpenRoads Designer

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

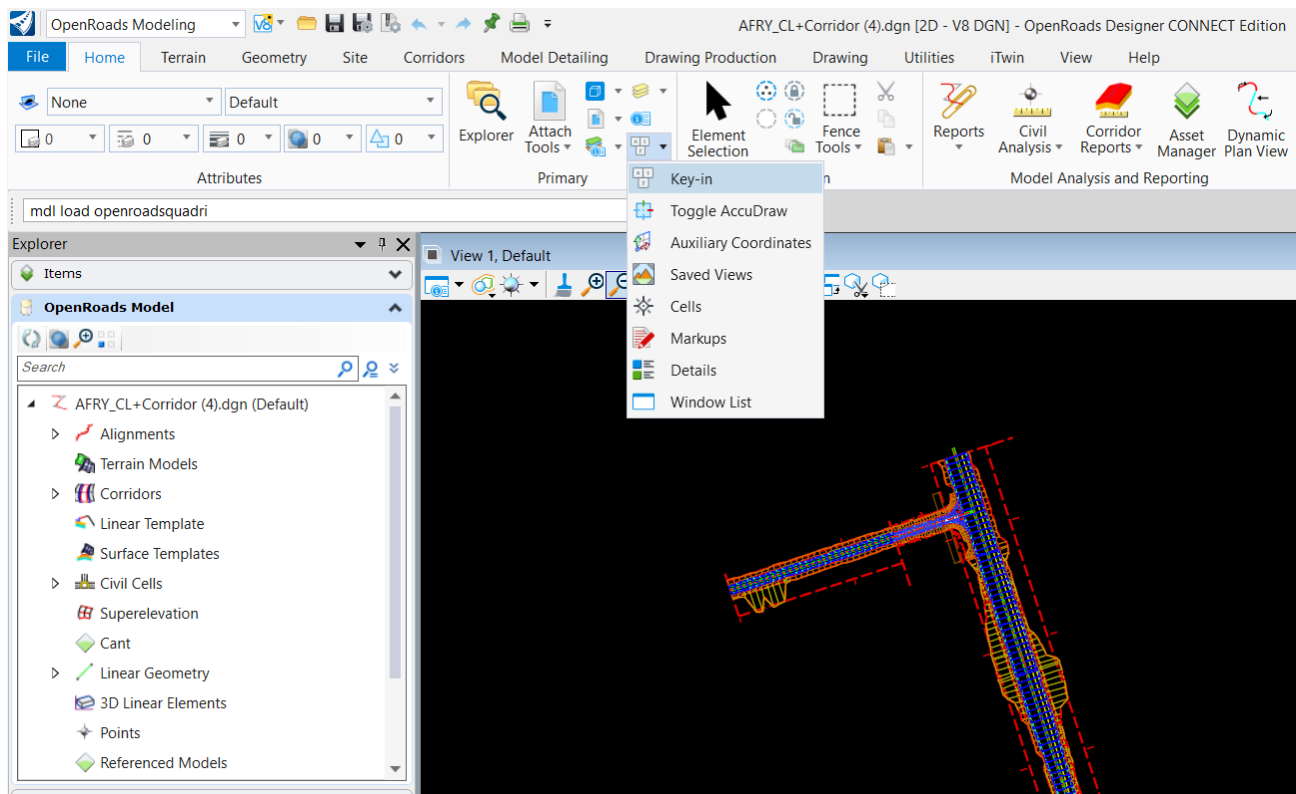
In OpenRoads Designer, open a model that has objects you want to export to Quadri, and in the OpenRoads Key-in toolbar, type:

mdl load openroadsquadri

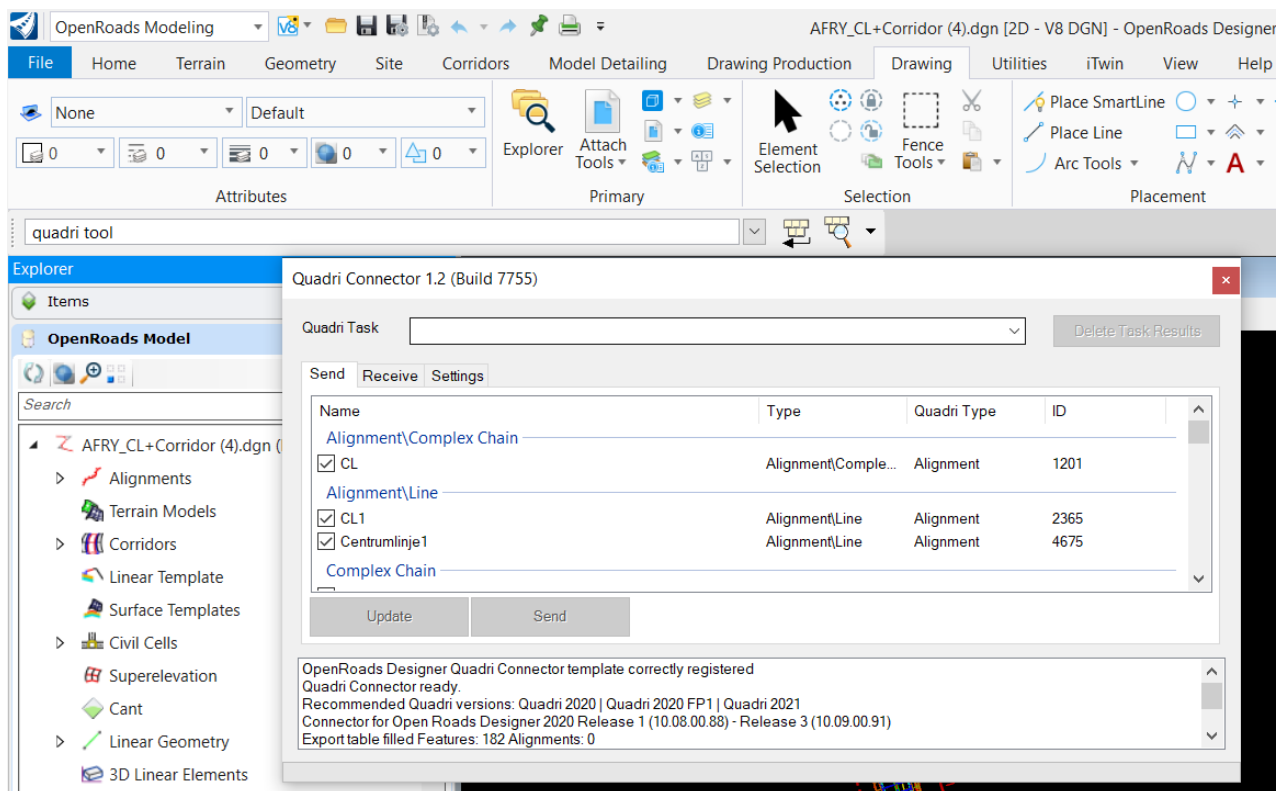
This will load the OpenRoads MDL/Plugin that contains the connector.

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

QUADRI loaded

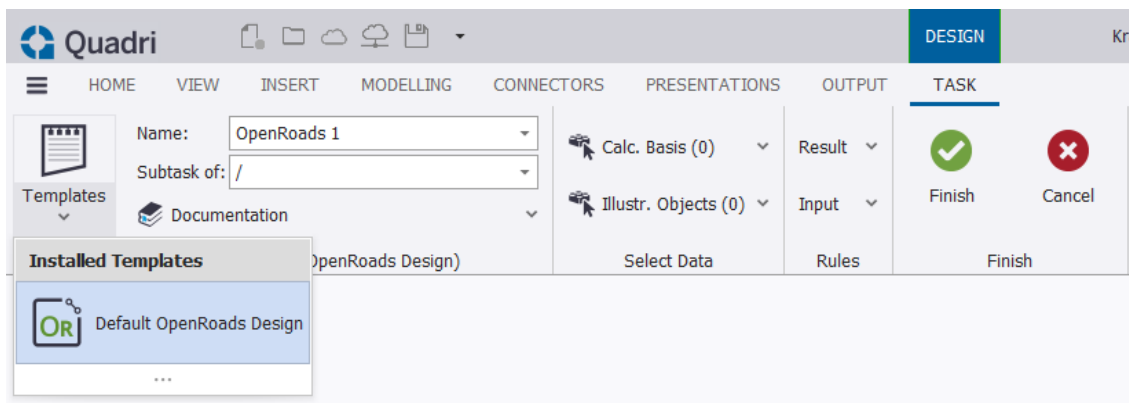
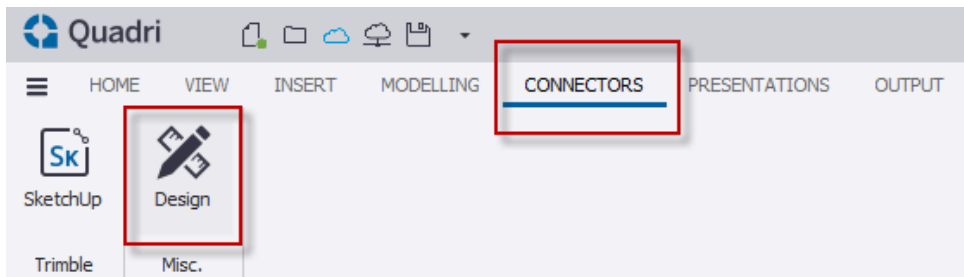


At this point open Quadri 2021 with any project if it is not yet open. Then run the command **quadri tool**. Running this command will open the tool dialog, but also copy task templates to Quadri AppData folder:
 C:\Users\<username>\AppData\Roaming\Trimble\Quadri\23.00
 \Configuration\Default\ExternalTemplates\Tasks\GeneralDesign\OpenRoads



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