



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

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\OpenRoadsQuadri\Template\OpenRoads

In OpenRoads, 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**

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\22.00\Configuration\Default\ExternalTemplates\Tasks\GeneralDesign\OpenRoads

### 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