

# Autodesk® Point Cloud Surface Extraction 2015

## Thank you for downloading Autodesk® Point Cloud Surface Extraction 2015

The **Autodesk® Point Cloud Surface Extraction** extension provides the ability for organizations to create Civil 3D surface models based on “ground” points within an RCS (Autodesk® ReCap™) format Point Cloud.

This readme contains the latest information regarding the installation and use of this extension. It is strongly recommended that you read this entire document before you apply these extension and Country Kits to your product. For reference, you should save this document to your hard drive or print a copy.

### **Key Features of this Extension**

**Point Cloud Surface Extraction** extension consists of the following features:

- Create a Civil 3D Surface (TIN) from the new Autodesk® AutoCAD® 2015 point cloud object (using .RCS format files generated in Autodesk ReCap).
- Include one or more point clouds from within the drawing
- Control surface creation boundary by graphical selection or by selection of an existing polygon
- Control “non-ground point filtering” as part of the surface creation process

Note – The *Point Cloud Surface Extraction* extension does NOT support legacy point cloud objects (Point clouds from R2014 and earlier that use .ISD or .PCF format files).

### **General Installation Information**

As you prepare to install this extension, keep the following in mind:

<b>Language Version</b>	This extension can be installed on any language version of AutoCAD Civil 3D 2015 on all supported operating systems. Be sure to install the correct extension for your software.
<b>AutoCAD Entities</b>	This extension creates base AutoCAD entities. There is no change to the AutoCAD Civil 3D drawing format and these objects can be used in other applications.
<b>Apply Service Packs</b>	Autodesk strongly encourages all AutoCAD Civil 3D users to download and apply service packs. This extension officially supports AutoCAD Civil 3D 2015 any future services packs that Autodesk may release.
<b>Back Up Custom Files</b>	It is recommended that you back up all custom CUI, MNR, and MNL files before you apply this extension.
<b>Administrative Privileges</b>	During installation, you will be prompted for the original installation media or a network image. In order to apply this extension, you must have administrative privileges to install and uninstall products.
<b>Reboot</b>	After you install, it is recommended to reboot your system even if not prompted.
<b>Uninstall</b>	This extension can be uninstalled by selecting the applicable extension in Control Panel. All files and command access options including menus will be removed.

### **Installation**

Download the **C3D\_2015\_POINTCLOUD\_EXTRACTION\_ENGLISH\_64.exe** to your desktop. Once downloaded, launch the Point Cloud Surface Extraction installer by running the **C3D\_2015\_POINTCLOUD\_EXTRACTION\_ENGLISH\_64.exe** from your desktop. Follow the instructions on screen to complete the installation. Once installed, users can access the Point Cloud Surface Extraction commands via the AutoCAD Civil 3D Toolbox. A new entry will be created under the “Subscription Extension Manager” toolbox category.