

- when it has to be **right**



Leica Captivate v3.50

Software Release Notes

Product Leica Captivate
Field Controllers: CS20, CS35
Total Stations: TS16, TS60, MS60
GNSS Receivers: GS18 T

Release date 11th June 2018

Maintenance date 1st June 2018

Available in myWorld Week 24, 2018



Available via : <https://myworld.leica-geosystems.com/irj/portal>

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1 Leica Captivate v3.50 Release Notes - Introduction

Please do take your time to read these Release Notes. They contain information about

- New features
- Bug fixes

General information There is a Leica Captivate v3.50 release for the following hardware

- Field Controllers: CS20, CS35
- Total Stations: TS16, TS60, MS60
- GNSS Sensors: GS18 T

Customer Care Product (CCP) dates The Leica Captivate software version 3.50 can be loaded onto all CS Field Controllers and TS Total Stations with a CCP valid until at least 01.06.2018

Jobs, Coordinate Systems, Working Styles, RTK Profiles and other objects All Leica Captivate “objects” (such as Jobs, Coordinate Systems, Working Styles, RTK profiles etc.) created or used within previous Leica Captivate versions can be used without problems in Leica Captivate v3.50

Version compatibility between CS Field Controllers, TS Total Stations and GS Sensors The table below shows the compatibility between Leica Captivate versions

		CS20, CS35	CS20, CS35	CS20, CS35
		Leica Captivate v1.x	Leica Captivate v2.x	Leica Captivate v3.x
TS16, TS60, MS60	Leica Captivate v1.x	Fully compatible	Not compatible	Not compatible
TS16, TS60, MS60	Leica Captivate v2.x	Not compatible	Fully compatible	Not compatible
TS16, TS60, MS60 GS18 T	Leica Captivate v3.x	Not compatible	Not compatible	Fully compatible

The table below shows the compatibility between Leica Captivate and SmartWorx Viva versions

		CS20, CS35	CS20, CS35	CS20, CS35
		Leica Captivate v1.x	Leica Captivate v2.x	Leica Captivate v3.x
All TS, MS and GS sensors capable of running SmartWorx Viva	All versions prior to SmartWorx Viva v6.0 and higher than v5.60	Fully compatible	Not compatible	Not compatible
	SmartWorx Viva v6.x	Not compatible	Fully compatible	Not compatible
	SmartWorx Viva v7.x	Not compatible	Not compatible	Fully compatible

2 Leica Captivate Software Improvements – new features

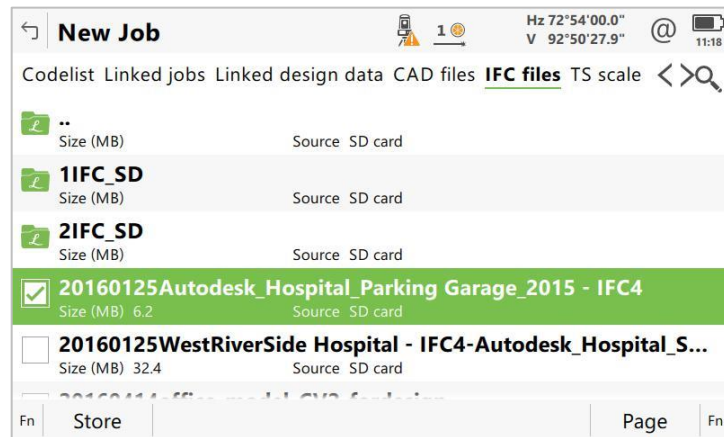
Support of IFC



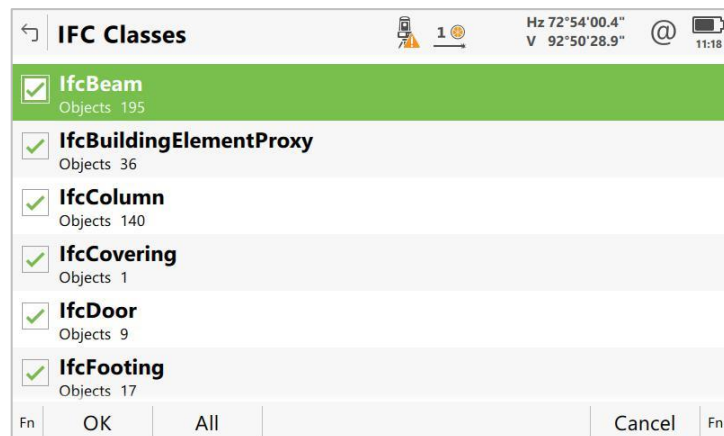
The Industry Foundation Classes (IFC) are an open standard used in the building industry to digitally describe building models and is used by numerous software as an exchange format for building data.

To easily allow integration into this workflow, Leica Captivate v3.50 supports the IFC format.

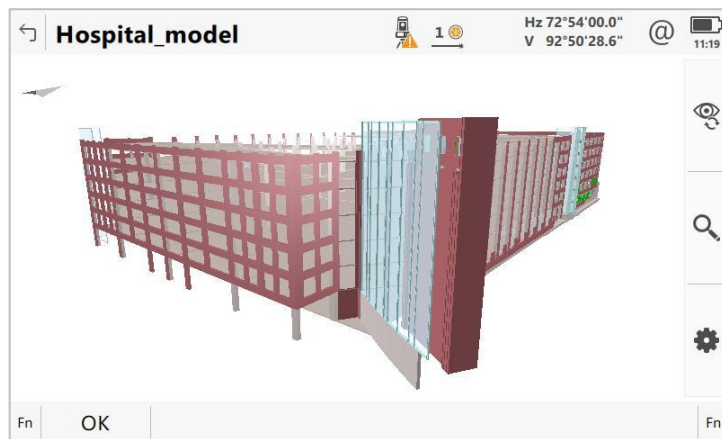
An IFC file can be attached to a job in Leica Captivate.



When attaching, it is possible to view the classes available in the IFC and select which classes should be visible.



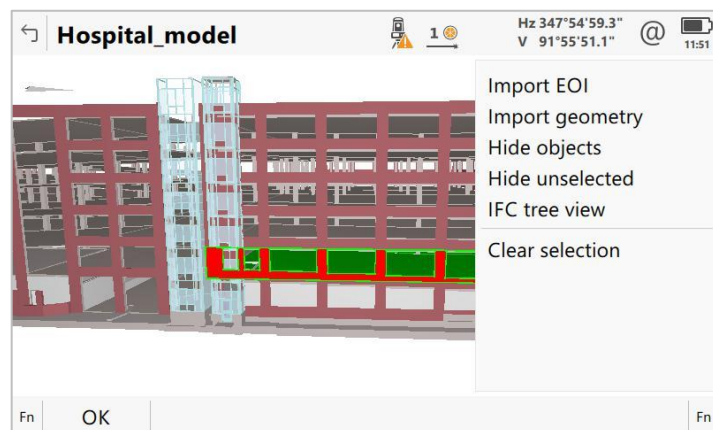
Once the IFC file is attached, it can be seen in the **3D Viewer**. The objects contained in the file can be selected and it is possible to import them via an option from the context menu.



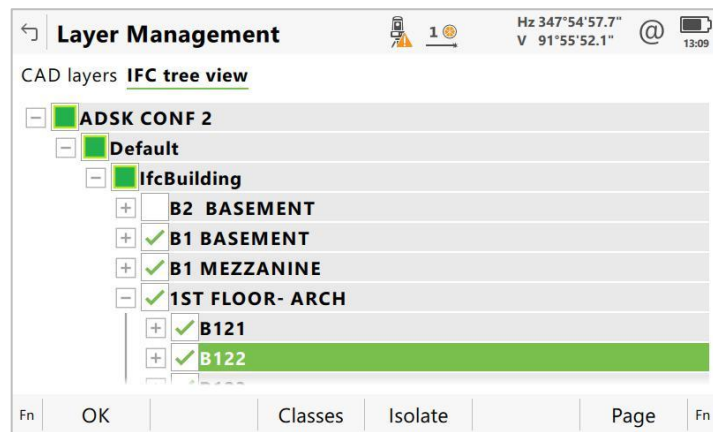
To import points and lines from an IFC object, the user has 2 options, as seen in the screen shot below:

Import EOI (elements of interest): When using this option, the object will be imported as points or lines or both. When selecting an object, Leica Captivate identifies the surfaces that define the object. In case of a positive recognition, the lines defining those surfaces will be highlighted in green. When selecting to **Import EOI**, these elements will be imported into the database. The entities to be created during import (points or lines or both) can be defined in the IFC import settings.

Import geometry: by using this option, the entire object will be imported as a mesh (triangles and vertices of these triangles). The entities to be created during import (points or lines or both) can be defined in the IFC import settings.



In the **3D Viewer** toolbar, the **Layer management** panel will show the objects contained in the file. They can be turned on or off for better viewing as needed.



Objects and groups of objects can be turned off individually. The **Isolate** button allows turning off all groups of objects in the list except the one highlighted. To turn all objects on again, the top check box can be activated.

The **F3(Classes)** button accesses the IFC Classes panel, where classes can be activated and deactivated for being displayed in the **3D Viewer**.

Data from the IFC file can be viewed in all occurrences of the **3D Viewer**. Import of data from IFC is possible from the **3D Viewer** in the following instances:

- In Data management
- In the Dataset panel for the linked jobs
- In these apps: Measure, Stake points, Stake points & DTM, Measure to line, Stake to line, COGO

There are some restrictions on what size of IFC file can be used but this is mainly limited by the complexity of the file. The following should give an indication, of what is possible:

- On a CS20/TS/MS the file size for attaching an IFC file is limited to 40 MB. On the CS35 no size limit is implemented but performance may suffer when using large files.
- There is a maximum number of vertices per surface. For the CS20/TS/MS this will be around 32700 vertices, for a CS35 around 130000.
- When viewing the data in the 3D Viewer, it will be loaded up to a certain limit. If the data to show exceeds this limit, the remaining data will not be displayed.
- For the CS20/TS/MS this limit is at 120MB, including all points, lines, DTM and CAD data shown within the job. For the CS35 the limit is at 1.2GB.

This new feature allows staking points and performing as built checks from IFC data directly. It can therefore significantly speed up the working process as no data conversion is necessary.

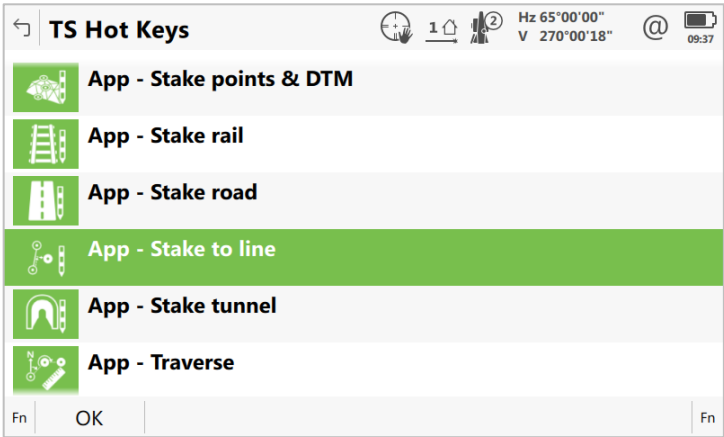
Allow opening apps from within apps via hotkeys



Sometimes when working in the field it can be necessary to switch to a different task for just one point to then return to what was being done before.

For instance, when measuring points, it may be needed to stake out one point, to then return to measuring.

With Leica Captivate v3.50 it is now possible to assign apps to hotkeys and call them from within other apps.



This makes switching between tasks very fast and easy and can therefore save a lot of time in the field.

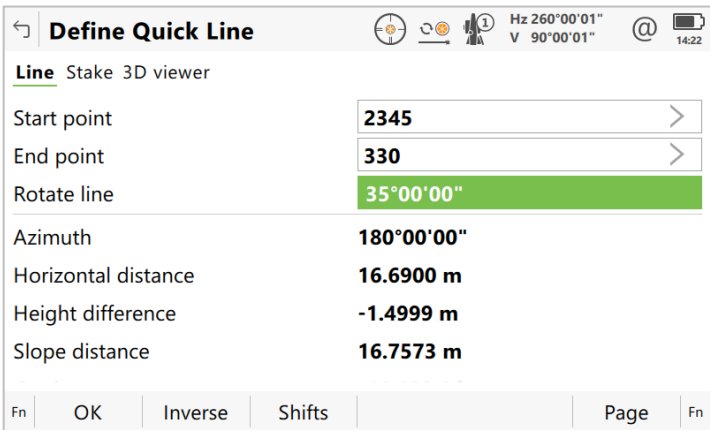
Improve the Stake to line - Quick line method



In the **Stake to line** app, several methods can be selected to be used on entering the app. One method is the **Quick line** method, which allows selecting two points and temporarily creating a line between these points to stake to, without actually storing this “quick line”.

For Leica Captivate v3.50 this method has been improved to allow easier configuration of the line to stake to.

The **Rotate line** setting has been moved directly into the **Define Quick Line** panel, **Line** page.



The **Stake** settings are now on the same panel, in a separate page tab, which now offers the option to define the **Start chainage** of the line.

Define Quick Line

Line **Stake** 3D viewer

Start chainage **30.0000 ft**

Chainage **0.0000 ft**

Offset **5.0000 ft**

Height offset **0.0000 ft**

Use chainage increments ☒

Increment **5.0000 ft**

Increment after storing **Increase**

Fn OK Shifts Ch- Ch+ Page Fn

When points have been staked to a quick line, the **Esc** button allows to easily get back to the **Define Quick Line** panel to define a new line to stake to.

Overall, these changes make it easier and more efficient to stake to a “quick line”.

Introduce a Stake to line - Quick arc, method



In the **Stake to line** app, the **Quick line** method allows selecting two points and temporarily creating a line between these points to be staked without actually storing this “quick line”.

With Leica Captivate v3.50 there is now also a method that allows staking to a temporary arc. There are several methods to define this arc.

Define Quick Arc

Arc Stake 3D viewer

Create arc using **3 points**

Start point **3 points**

Second point **2 points & radius**

End point **2 tangents & radius**

2 tangents & arc length

2 tangents & chord length

Once the arc is defined, the **Start chainage**, **Chainage** of first point to stake, **Offset** from the arc, **Height offset** and, if needed, chainage **Increment** can be defined.

Define Quick Arc

Arc **Stake** 3D viewer

Start chainage	0.0000 ft
Chainage	5.0000 ft
Offset	10.0000 ft
Height offset	0.0000 ft
Use chainage increments	<input checked="" type="checkbox"/>
Increment	5.0000 ft
Increment after storing	Increase ✓

Fn OK Shifts Ch- Ch+ Page Fn

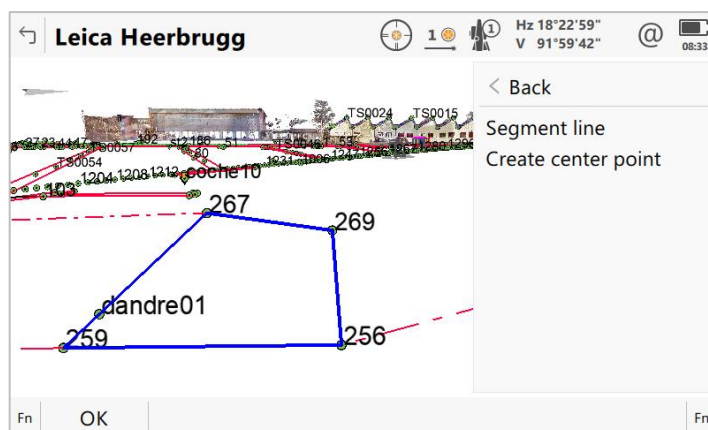
This new method allows to easily define an arc in the field and stake to it.

Calculate the centre point of a circle, triangle or rectangle



When using closed lines in the Stake points app, it is sometimes useful to know the centre point of this closed line, so it can be staked out.

With Leica Captivate v3.50 it is now possible to select a line in the 3D Viewer or the Measure app and calculate the centre point of this closed line via a new option from the context menu.



When showing the results for the centre point, the height value is calculated as an average from the original line. The height value for this point can be edited. It is also possible to assign a code to the centre point and to select which job to store it to.

New Point

Result Code 3D viewer

Point ID	TS0007
Easting	1793597.3654 ft
Northing	17226396.9647 ft
Height	1480.8656 ft
Store point to job	Leica Heerbrugg

Fn Store Page Fn

This makes it very easy to calculate the centre point of a closed line and store it to the correct job.

Staking an elevation without the need of point coordinates



On a building site, while staking points, it could be necessary to stake or check a height without having an actual design point with that height.

With Leica Captivate v3.50, the **Stake points** app now offers a new tool that allows staking an elevation without the need of a design point.

Tools

1 Reset backsight point	2 Turn TS to point in 2D	3 Turn TS to point in 3D
4 Export cut sheet	5 Manual enter Hz & distance	6 Stake elevation

OK

The tool allows entering an elevation and staking it in one or more positions. The stakeout position is then stored as a 3D point of the class **Measured**. To return to staking 3D points, the **Tools** menu shows a **Stake points** tool.

This new tool allows to easily stake out or check a height whenever needed, without the need of entering and storing a point first.

Calculate the intersection of 2 lines

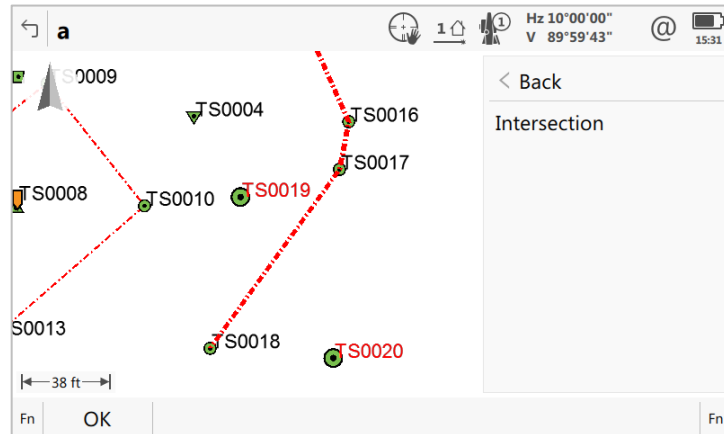


Until now it was possible to use a COGO app to calculate the intersection between two lines. The lines were calculated by selecting two points for each line or by a combination of points, bearings and distances. However, it was not possible to calculate the intersection based on an already existing line.

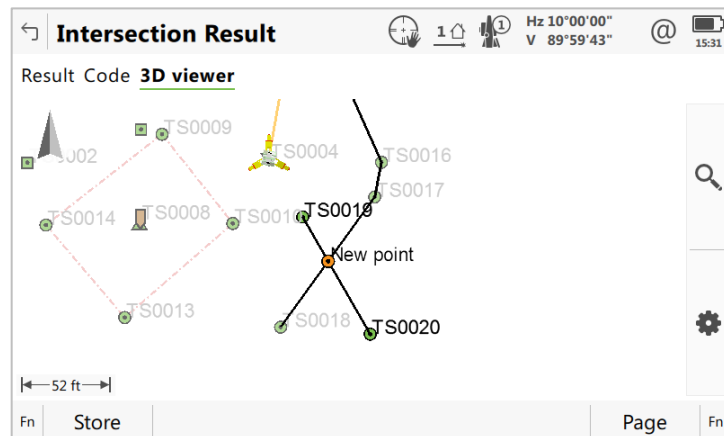
With Leica Captivate v3.50 it is possible to calculate an intersection of two lines defined by two selected lines (lines can contain multiple straight segments but cannot contain arcs or spirals) or four selected points or a line and two points.

The selection of the points and lines can be done in the 3D Viewer. The context

menu then allows selecting the Intersection option.



For the calculated intersection point, an **Intersection Result** page is shown that allows editing the point height and adding a code. It also shows the newly calculated point in the **3D viewer**.



This new context menu option offers quicker access to the intersection calculation and makes the tool more flexible.

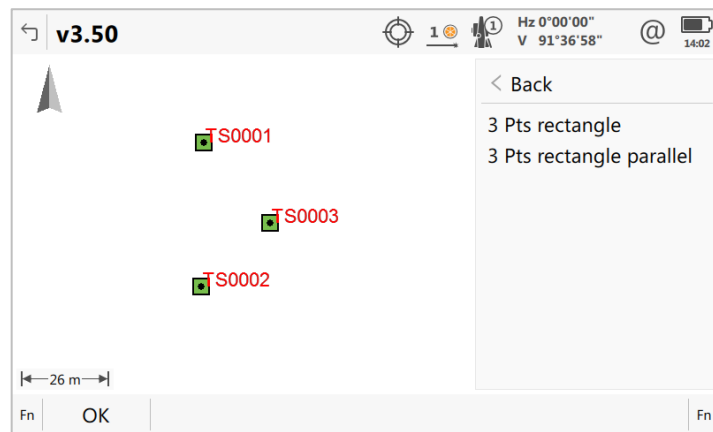
Calculate a rectangle from measured points and offsets



Sometimes, when outside in the field, it can be necessary to calculate a rectangle from three measured points or two measured points and a distance without having to measure the remaining points.

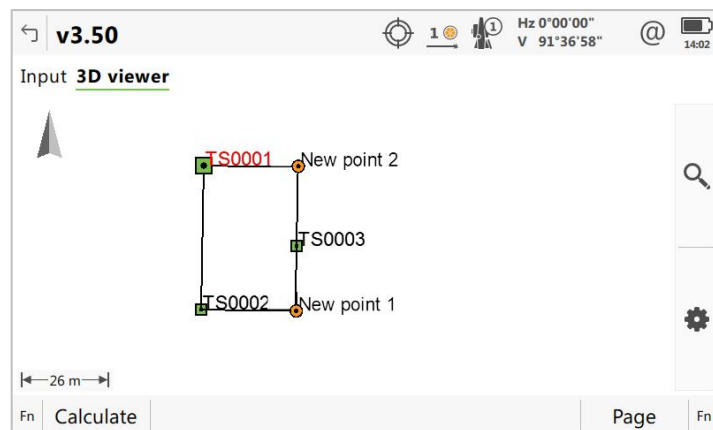
Leica Captivate v3.50 offers a new feature, which allows selecting three points from the 3D viewer and then choosing to calculate the rectangle from those three points.

When selecting the three points, there are two methods to choose from.



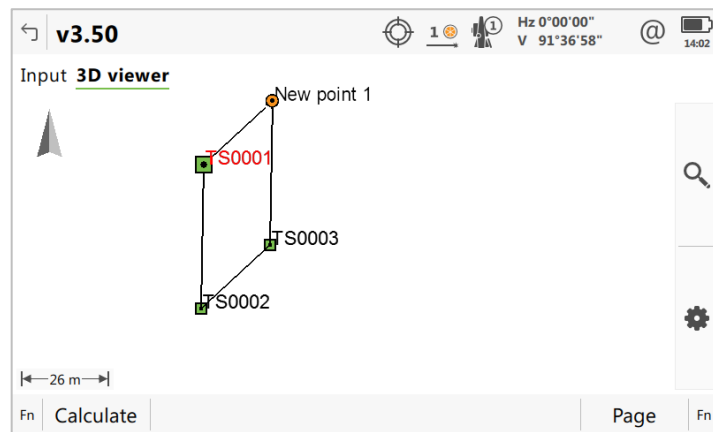
3 pts rectangle will use two points as a length of the rectangle. The distance to the third point is used as the width of the rectangle. Two new points are calculated, perpendicular to the length, starting at the end points of this first line.

The new point 1, opposite point 2 will be assigned the same height as point 2. The new point 2, opposite point 1 will be assigned the height of point 1. The heights of the new points can be edited before storing.

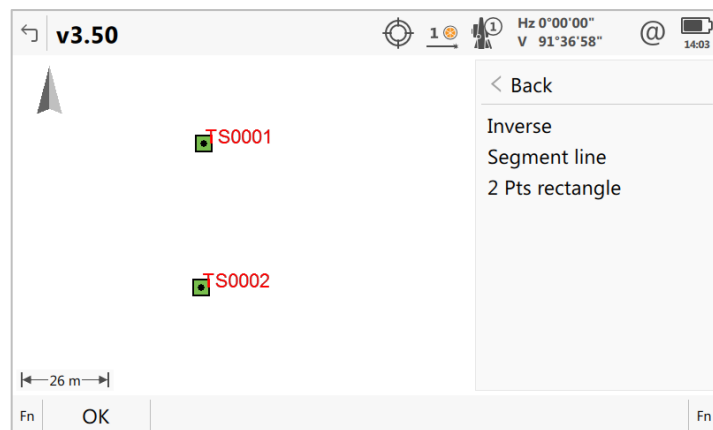


3 pts rectangle parallel will not draw a rectangle but a parallelogram. The three points are used as corners of the parallelogram and a 4th point is calculated by moving the available sides parallel into points 1 and 3. There are no right angles in this form.

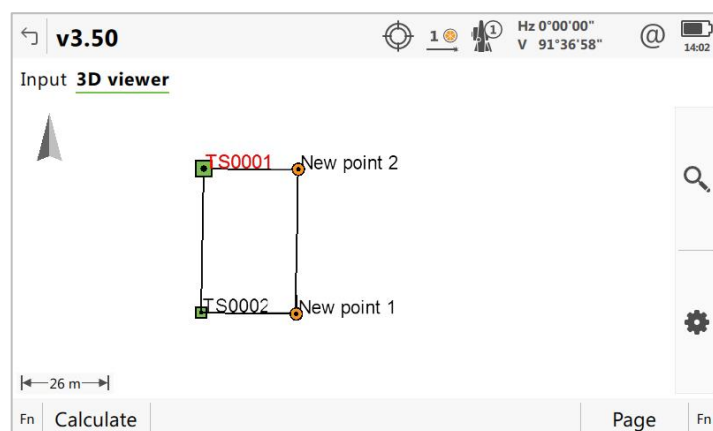
The height for the new point 1 will be calculated so that the point is on the same plane as the existing 3 points. The height of the new point can be edited before storing.



A rectangle can also be calculated by selecting two points from the 3D Viewer and then choosing the option to calculate a **2 Pts rectangle**, using these two points and an offset. The offset can be applied left or right (entering it as a negative or positive value).



The new point 1, opposite point 2 will be assigned the same height as point 2. The new point 2, opposite point 1 will be assigned the height of point 1. The heights of the new points can be edited before storing.



Once the new points for the rectangle are calculated, a results page allows editing the height, assigning a code and viewing the calculated rectangle in the **3D viewer** tab.

Once the points are stored, the new line result is shown. The closed line created for the rectangle can also be given a code, the geometry can be edited, and Line ID and colour can be defined.

Line0076	
General Geometry Code Images	
Area ID	Line0076
Style	
Colour	
Number of points	4
Area	488.602 m ²
Perimeter	295.3082 ft
Start date	23.04.18
<div>Store</div> <div>More</div> <div>Page</div>	

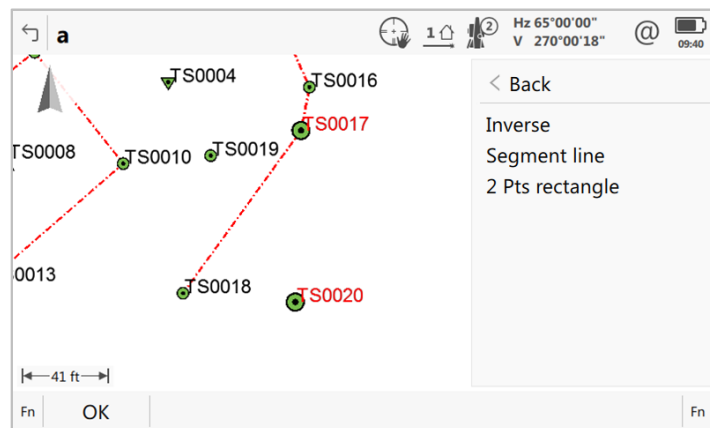
This new calculation method can save time in the field and makes it easy to create rectangular areas directly in Captivate.

Segment a line from two points

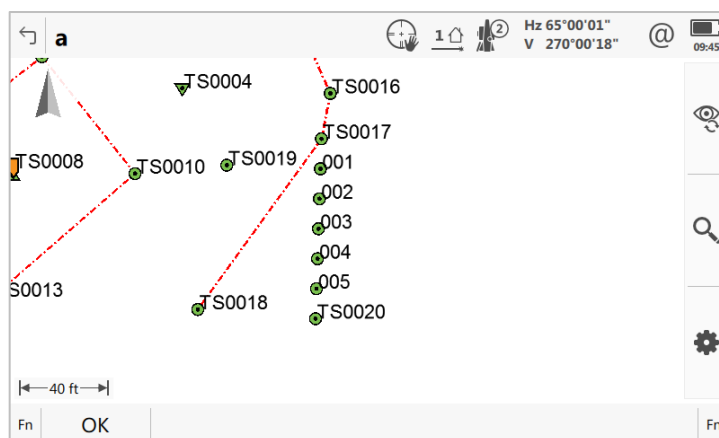


When staking out underground cables, pipelines or other lines, sometimes only the inflection points are given in the design data.

To properly stake out the line, more points along the line may be needed. With Leica Captivate v3.50, it will be possible to select a line or two points from the 3D Viewer and select from the context menu the option to segment that section into equally spaced points.



Define Line Segmentation	
Calculate segment from	Number of points
Start chainage	0.0000 ft
End chainage	79.9472 ft
Line length	79.9472 ft
Number of points	5
Chainage increment	13.3245 ft
Horizontal offset	0.0000 ft
Apply on both sides	<input type="checkbox"/>
Calculate	



These points can then be staked out to easily mark the course of the line.

Improve the entry of the PIN code when starting up Leica Captivate



In some countries instrument theft is a serious problem. One option to make stolen instruments unusable and therefore remove the value of the instrument, is protecting the software with a PIN code.

To make it easier to use this feature, we have improved the readability and usability of the PIN entry on Start-up of Leica Captivate.



It is advisable to use a PIN code on every instrument running Leica Captivate.

**Added functionality
in the Inspect
Surfaces app**



A v3.50 of the Inspect Surfaces app will be released with Leica Captivate v3.50. For this version the import of ASCII and PTS file has been improved so it is now significantly faster, making the workflow more efficient.

The new v3.50 of Inspect Surfaces can be used with all Leica Captivate versions 3.x from v3.20 onwards.

The App can be ordered directly with each new instrument or can be downloaded from [myWorld](#).

**Added functionality
in the ESRI Shapefile
exporter app**



A v3.50 of the ESRI Shapefile exporter app will be released with Leica Captivate v3.50.

This new version allows selecting the object to be exported (Point/Lines/Areas) and generating 3D or 2D objects, depending of configurated value.

The attributes generated in the shapefile table are “double” or “integer” values when it is possible, otherwise they are string values.

Spanish was added as a supported language for this app.

The new v3.50 of ESRI Shapefile exported can be used with all Leica Captivate versions 3.x from v3.00 onwards.

The App can be ordered directly with each new instrument or can be downloaded from [myWorld](#).

3 Leica Captivate GNSS Improvements – new features

Support of the new GS07 GNSS smart antenna



The new Leica Captivate v3.50 firmware for the CS20 field controller supports the new GS07 GNSS smart antenna.



The GS07 is Leica Geosystems' new mid-range GNSS smart antenna. It is the light weight, yet robust piece of equipment which comes with functionality focused on exactly what you need, with the highest quality levels one would expect from a premium Leica Geosystems GNSS portfolio.

Please find more information on the [Leica Geosystems website](#).

Support of the new CGR4 RTK radio



The new Leica Captivate v3.50 firmware supports the new CGR4 UHF receive only RTK radio for the CS20 field controller (models with expansion pack slot). This is an external radio that can be attached to the CS20.

This 400 MHz band radio allows to receive RTK corrections, regardless of the used GS receiver.



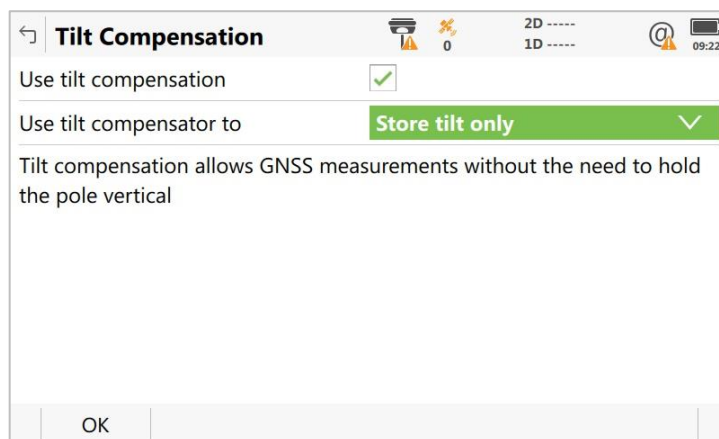
GS18 T – Tilt values



For certain projects it may not be allowed to use the GS18 T with the tilt compensation active. In these cases, the pole must be held vertically when measuring due to specific regulations.

It could still be important to prove, that the pole had been held vertically.

With Leica Captivate v3.50 it is now possible to only store the tilt values, without applying them to the measurement by choosing **Store tilt only** in the **Tilt Compensation** panel.



Store tilt only requires a GS18 T with Leica Captivate version from v3.50 onwards.

QZSS status information



QZSS related status information is now available in all satellite tracking and RTK status panels for Base and Rover world.

NMEA GST message



The GS receivers can now be configured to stream the NMEA-0183 GST message (position error statistics).

Example of the GST message:

\$GPGST,172814.0,0.006,0.023,0.020,273.6,0.023,0.020,0.031*6A

NMEA GST message requires a GS with Leica Captivate version from v3.50 onwards or SmartWorx Viva from v7.50 onwards.

4 Leica Captivate Software Improvements – Bug fixes

Search is started instead of objects being displayed

When a field is highlighted that leads to a list of objects, such as a Point ID field, and **Enter** is pressed, a search was started with a space as the search value.

The expected behavior is that the list of available Point IDs is displayed, without starting a search.

This issue is fixed with Leica Captivate v3.50.

CS freezes when toggling between GS and TS mode while the long-range BT connection is interrupted

A CS20 can be used while simultaneously connected to a GS with a Bluetooth connection and to the TS with a long-range Bluetooth connection. It would happen if toggling between GS and TS mode on the CS20 while the BT connection to the TS is interrupted and the CS20 is trying to re-establish the connection.

In this case the CS20 could freeze and would need to be restarted.

This issue is fixed with Leica Captivate v3.50.

Wrong point ID is stored in the Stake points app after using the Meas app button

The **Stake points** app allows switching to the **Measure** app directly by using the **F5 (Meas app)** button. The **Measure** app will then suggest the next free **Point ID** to be stored with the next measured point.

When returning to the **Stake Points** app, the next staked point would then incorrectly be stored with the **Point ID** suggested in the **Measure** app instead of the defined **Point ID** from the staked point.

This issue is fixed with Leica Captivate v3.50.

Measurements are not possible with a CS20 connected to a Flexline Total Station

When a CS20 was connected to a Flexline Total Station (TS02plus, TS06plus or TS09plus), it was possible to measure distances but when trying to store a measurement, an error would be shown.

This issue is fixed with Leica Captivate v3.50.

New orientation is not set in the Autosetup app when using the Helmert method

In the **Auto setup** app, if the **Advanced** settings were defined to **Use Helmert method for calculations** of resections, the new orientation was not set.

This issue is fixed with the Auto Setup app v3.50 for Leica Captivate.

Chainage value cannot be entered when the start chainage of the alignment is a negative value

In the Stake road app, no chainage value could be entered, if the alignment started with a negative chainage value.

This issue is fixed with Leica Captivate v3.50.

In rare cases, the GS average triplet was not used for a setup calculation

This issue would be seen when using averaged coordinates of a GS measured point in a Setup.
If the GS point coordinates had been measured during the setup instead of being selected from an existing point list, only the last measured coordinates would be used, instead of the averaged coordinates.

This issue is fixed with Leica Captivate v3.50.

GS raw data logging settings taken over from base into rover mode

This bug could be seen when using the same CS20 Controller to configure a GS sensor as a base and then a GS18 T sensor as a rover.
When the GS base was configured to log raw data and the CS20 was then connected to the GS18 T and switched to rover mode, there was an error messages shown saying that raw data could not be logged while tilt compensation was in use, even though no raw data logging had been activated for the rover.

This issue is fixed with Leica Captivate v3.50.

Code search finds wrong code in some rare cases

When configuring to **Create linework** while coding and setting the sorting methods to **Original order**, **Quickcode** or **Last used**, the search would sometimes find the wrong code.
This was because the search would be done to match parts of the code, not the full code, so a search for "102" might find code "1020".

This issue is fixed with Leica Captivate v3.50 and the correct code will be found with the search.

Point created in COGO – Line & arc calculation is added to wrong line

This issue could be seen when calculating a point in the **COGO – Line & arc calculation** function.
A new point calculated with this function would automatically be added to the last line created in the **Measure** app.

This issue is fixed with Leica Captivate v3.50.

Fixed attribute values not exported to XML when using last used attribute values setting

This issue could be seen when the coding settings are configured to use **Suggested attribute values: Last used** and when **Create linework** during coding is activated.
In this case, when using a code list containing codes with fixed attribute values, these fixed values would not be contained in the exported file when exporting to XML.

This issue is fixed with Leica Captivate v3.50.

Total Station turns after EDM mode or prism setting is changed

This issue could be seen if a Total station was configured to **Wait & lock** if no target was found after the configured prediction time and if the user then pointed the instrument to a new position after the Total Station lost lock on a prism.

If, at this time, the user changed the EDM or the prism settings, the instrument would turn back to the last position after the prediction time.

This issue is fixed with Leica Captivate v3.50.

Total Station turns

On an MS60 MultiStation or a TS60 Total Station, when setting the **Main power**

off with battery level at 50% if external power source is configured

source to External power in the **Battery & charging** panel and configuring to **Charge the internal battery when external power is connected**, the instrument would power down when the battery is discharged to 50% while no external power source was attached.

This issue is fixed with Leica Captivate v3.50 and the full battery capacity can be used.

SmartLink Reference frame not applied when Instantaneous measurement mode is used

This issue could be seen when using SmartLink and configuring to automatically stop point measurements instantaneously after a position is measured.

In this case, the measured coordinates are always stored in the default reference frame **ITRF2008(current)**. If any other reference frame was selected, this would be ignored, and the default reference frame would be used.

This issue is fixed with Leica Captivate v3.50.

5 Obtaining and loading the new software using myWorld (CS20 Field Controller and TS/MS instruments)

It is strongly recommended to use myWorld to load the new software to the CS20 Field Controller and TS/MS instruments.



The myWorld online update cannot be used to load the new software to the CS35 tablet and GS18 T GNSS rover.

Once your Controllers and Instruments have been registered in myWorld, connect the hardware to your PC, navigate to your products page in myWorld and follow the on-screen instructions. The latest software versions will be loaded as required.

To connect CS20 Field Controller and TS/MS instruments to the PC you need to first install the USB drivers. These drivers are available for download at myWorld.

6 Obtaining and loading the new software using manual loading (CS20 Field Controller and TS/MS instruments)

If you prefer not to use the myWorld online update, it is also possible to “manually” load the new software – in this case, please carefully read the notes below.

Obtaining the new software

The new software, language files and apps can be obtained from the following sources:

- the myWorld web site (it is also possible to manually download the files from the myWorld web site as well as automatically upgrading your controllers and sensors with myWorld)
- your local Leica Selling Unit or Dealer

Files which need to be obtained for upgrading a CS20 Field Controller

The following file needs to be obtained to upgrade a CS Field Controller - CS20LeicaCaptivate_v3_50.fw

This file contains all Leica Captivate and WinEC languages and apps

Files which need to be obtained for upgrading a TS/MS instrument

The following file needs to be obtained to upgrade a TS/MS instrument - TSxxMS60LeicaCaptivate_v3_50.fw

This file contains all Leica Captivate and WinEC languages and apps

How to load the Leica Captivate files to a CS20 Field Controller or TS/MS instrument

1. Insert the SD card into your PC or card reader and copy the necessary file to be uploaded to the instrument to the **System** directory of the card. This can be done with Windows Explorer or any other suitable PC software. (it is NOT possible to use a USB stick to upgrade your CS20 Field Controller or TS/MS instrument)
2. Insert the SD card into the CS20 Field Controller or TS/MS instrument and turn on. Ensure the battery is fully charged.
3. From the main menu, choose **Settings** and then choose menu item **Tools** and then choose **Update software**. The **Update software** screen is now visible.

4. In the **File to load** list box ensure the correct file name is visible. If the file name is not visible then check you have correctly copied the firmware file to the **System** directory of the SD card.
5. Press **F1(OK)** – a message will appear to remind you the controller will turn off and on during the process. Press **F6(Yes)** to begin the loading process.
6. The loading process will take a few minutes and the controller will turn off and on several times during the process.

Obtaining sample data

Since Leica Captivate v2.0, the sample data is no longer included in each simulator build. The sample data can be installed using a separate installer. The advantage of this is that it is no longer needed to download several large files.

During the installation, it is possible to select for which simulators the sample data can be installed – the sample can be installed for all 4 simulators (SmartWorx Viva CS simulator, SmartWorx Viva TS simulator, Leica Captivate CS20 simulator and the Leica Captivate TS/MS simulator).

The sample data installer can be downloaded from myWorld. An installation guide is provided along with the sample data installer though the installation process is very easy to follow.

7 Obtaining and loading the new software using manual loading (CS35 Tablet)

The CS35 Tablet can only be upgraded manually. Follow the instructions below.

Obtaining the new software

The new software, language files and apps can be obtained from the following sources:

- the myWorld web site (it is also possible to manually download the files from the myWorld web site as well as automatically upgrading your controllers and sensors with myWorld)
- your local Leica Selling Unit or Dealer

Files which need to be obtained for upgrading a CS35 tablet

The following file must be downloaded to upgrade the CS35 tablet

LeicaCaptivate_CS35_v3_50.zip

The file contains Leica Captivate languages and apps.

How to load the Leica Captivate files to the CS35 tablet

1. On your PC unpack the files from the .zip file to a USB stick
2. Insert the USB stick into the CS35 Tablet
3. Using the File Explorer app within Windows 8.1 on the CS35 tablet, browse to the USB stick. Double tap the Setup.exe file
4. Follow the instructions

Note that this procedure will need to be performed twice – once to uninstall the existing Leica Captivate software and then a second time to install the new software.

Obtaining sample data

Since Leica Captivate v2.0, the sample data is no longer included in the CS35 firmware but will be provided separately via the sample data installer.

The sample data installer can be downloaded from myWorld. An installation guide is provided along with the sample data installer though the installation process is very easy to follow.

8 Summary of Leica Captivate Software Files

Listed below is a summary of the files available relating to the new Leica Captivate software. The version number for all files is v3.50.

File name	Description	File date	Build no.	Maintenance date
CS20LeicaCaptivate_v3_50.fw	CS20 Field Controller Leica Captivate software file	08.06.2018	142	01.06.2018
TSxxMS60LeicaCaptivate_v3_50.fw	TS/MS instrument Leica Captivate software file	08.06.2018	142	01.06.2018
LeicaCaptivate_CS35_v3_50.fw	CS35 tablet Leica Captivate software file (without sample jobs)	08.06.2018	142	01.06.2018
GSxxLeicaCaptivate.fw	GS18 T smart antenna Leica Captivate software file	08.06.2018	142	01.12.2017