



# KLION SOFTWARE REVISIONS HISTORY

**RELEASE 1.4.0 – 30/06/2021**

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## **New Features**

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- Possibility to joint readings taken with new inclinometer probe with readings taken with different probes
- “Data elaboration options” page is up-dated and well-organized
- For vertical inclinometers, if the absolute elevation of the casing collar is inserted (m asl), is possible to choose for the processing and plots referred to the absolute elevation in meter above sea level
- New check-sums plots. Now all the checksums are placed into one plot in order to better compare the selected measurements/surveys.
- Inserted graphic thresholds in checksum plots with a default value of 50. The value is customizable.
- Elaboration in A/B channel direction available, in addition to the standard North/East elaboration
- Inserted customizable graphic thresholds for 2D inclinometer charts
- Polar graph/plot zoom available
- Now is possible to customise many chart labels in order to meet Customer needs
- For horizontal inclinometer readings, is possible to insert an absolute vertical offset of the casing collar in order to display correctly the plots with the settlement/heave of the reference point
- Spiral meter data display improved
- Spiral meter plots now available (local torsion and cumulative spiralling)
- Report of Spiral survey only is now available

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## **Known issues resolved**

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- Newer survey lines on plots now are above the older lines
- Lower reference point is now displayed also in polar graph
- If the Mikkelsen correction is applied, the “Deformation over time” plots will be corrected
- Importing horizontal inclinometer reading without changing the casing orientation (from vertical to horizontal) do not give any error
- For horizontal inclinometers, if the reference point is not the deeper point, now the data elaboration and plots are correct (not mirrored)
- In “Measurements Properties” page, if a negative temperature is inserted, does not give any error
- Spiral meter data import from Archimede corrected



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## Download and up-date

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The up-date to the new release 1.4.0 is automatic when the PC/notebook where KLION is running is connected to the web. An alert window will ask if the user would like to download and install the new release.

For any clarification, send an email to [assistenza@sisgeo.com](mailto:assistenza@sisgeo.com)

## RELEASE 1.3.2 – 18/06/2019

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### New Features

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None

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### Known issues resolved

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- Fixed bug for spiral meter compensation

## RELEASE 1.3.1 – 02/05/2019

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### New Features

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- New management of spiral survey with possible choosing of run mode (HEAD-BOTTOM, BOTTOM-HEAD or AVERAGE)
- Spiral compensation available also for USCS/imperial readings utilizing 1000mm spiral probe

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### Known issues resolved

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- In “Site option” → “Location” now is visible the legend for blue and red arrows



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## RELEASE 1.3.0 – 15/03/2019

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### New Features

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- As for ISO 18674-3, the reference point in the graphs must start from zero
- Complete management of inclinometer surveys in Imperial/USCU system
- New management of T-REX survey with possible choosing of run mode (HEAD-BOTTOM, BOTTOM-HEAD or AVERAGE)

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### Known issues resolved

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- In report output, polar graph did not present what are the red and blu lines. Now the legend shows that they are A and B directions
- Changing the survey date could generate an error.
- After erasing a survey from a project, sometime was not possible to save the project.

## RELEASE 1.2.1 – 28/11/2018

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### New Features

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- Inserted drop-down menu for choosing data elaboration: one menu for “Absolute” or “Relative” elaboration and one menu for “Local” or “Cumulative” elaboration.
- In “Deformation over time” graphs, is now possible to select if show all the labels on the graphs or not. If not selected, when the mouse is on the graph is possible to see a label with correspondent data of that survey date.

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### Known issues resolved

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- Inserting “Elevation” of the site higher than 1000m, the value is now accepted
- Solved problems with manual entry of latitude and longitude



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## RELEASE 1.2.0 – READY FOR B.R.A.IN SYSTEM - 25/07/2018

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### New Features

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- Inclinometer data import from XML BRAIN APP
- Site, Casing and probe data import from XML BRAIN APP
- Probe status data import from XML BRAIN APP
- Now supports inclinometer probes calibrated in mm/m and inch/feet (results and graphs are in metric units)

### Known issues resolved

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- For horizontal readings, the “reading sequence” now is called “C1 C2” (means Connector 1 and Connector 2)
- In “Site options” are erased “1<sup>st</sup> reading dept” and “reading interval” that are characteristics of the casings and surveys

## RELEASE 1.1.0 - 23/01/2018

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### New Features

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- Inclinometer data import from Excel spread sheet
- Easy data export to Excel spread sheet
- New algorithm for inclinometer casing spiralling compensation
- New demo data available from real surveying
- Alert message appears when more than one reference reading is selected. If n-readings are selected as reference readings, the new reference become the average of the selected n-readings

### Known issues resolved

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- Polar graph visualization corrected and now visible A and B axis Vs North and East
- Data import from T-Rex corrected
- Label of graphs' axis corrected in both name and unit of measurement
- The report output not includes all the selected readings in both tables and graphs
- Corrected a number of labels, including A and B axis in North and East



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