Geoteric 2023.3.1 Release Notes – What's New

Geoteric 2023.3.1 includes the link to Petrel 2023 and has improved the interpretation workflows and AI Horizons performance for processing larger seismic volumes.

The subsequent interpretation workflows based on those larger volume results has also been improved with smoother and faster workflows for horizon picking. The extraction time of horizons from larger volumes has decreased to less than a second for each interpretation across the entire volume.

The Geoteric AI Horizon workflow increases the time available for horizon scenario testing and quality evaluation. These analyses are now supported by a series of undo steps throughout the interpretation without the fear for the loss of information or requiring a restart for each interpretation.

The option to extract horizons from an AI Horizons result has significantly increased to to enable extraction of some of the smaller patches contained in compartmentalised fault blocks.

Many workflows require fault sticks to enable further structural model building so the fault interpretation workflow has been improved such that AI derived and extracted fault surfaces can be edited, joined and exported using fault sticks.

Improved support for IT functions during installation comes in the form of appropriate installation configurations for either the front-end client desktop machine or the back-end AI Server machine. The installers offer a choice for each setup and will ensure the correct installation configuration. There are also more tools available to ensure smooth installation and operation when AI services are situated on servers remote from the Geoteric application. These new installation diagnostic tools are available for interrogation for quicker investigation into communication issues across networks

The Link for Petrel 2023 is included with this release which enables data transfer between Petrel 2023 and all versions of Geoteric 2023.

Key areas of updates in Geoteric 2023.3.1

- AI Horizon processing volume sizes up to 30GB
- AI Horizon processing run times reduced
- Improved performance for AI Horizon interpretation workflows
- Undo (more than once) is available for Horizon interpretation
- Automatically extract up to 10000 horizons at once from an AI Horizon result
- Easy right-click option for fault surface conversion to fault sticks
- Easy fault surface editing workflows
- Installers have the option for AI Server or desktop configuration
- Improved diagnostics tools for AI Server and Services installation
- Link for Petrel data transfer between Petrel 2023 and Geoteric 2023

Geoteric is supported on Windows 10 and Windows 11

Geoteric 2023.3.1 Fixed Issues

Ticket	Content
8721	Fault sticks which had been created from fault surfaces could not be edited. This is fixed for all volumes including those with non-unity increments
13076	There has been screen flickering observed particularly when interpreting horizons from AI Horizon opacity volumes. Whilst these may not have not been completely eliminated, the frequency is very low to non-existent
12593	If the environmental variable for the proxy had not been set, the error message that was returned incorrectly stated that the UNC path was in error
13626	The polygons in any 2D viewer did not reappear once removed from the scene and then once again visualised in the scene
13799	Interpretations created from AI Horizon opacity volumes in some circumstances have incorrect height map colour overlays causing a striping effect of colour on the interpretation
13985	This was a regression on Geoteric 2023.3 only. The Links for Petrel installers contained in the Geoteric 2023.3 installation folder, were causing error pop-up messages and crashing Geoteric. This issue did not impact the Links for Petrel installers contained in all previous Geoteric installation folders and which could still be used with Geoteric 2023.3. The issue has been fixed and the installers contained in the Geoteric 2023.3.1 installation folder can be used for this patch release as well as for previous versions of Geoteric (2023.1, 2023.2 and 2023.3)