Geoteric Stratum™ 2.1 Release Notes

This update is exclusive to Geoteric Stratum™ hosted on AWS.

Interpret further with full control with an efficient, simple to use workflow and further enhance results with 3D fine-tuning.

In September 2020, Geoteric revolutionised traditional fault interpretation workflows by integrating existing geological interpretation with 2D AI. These workflows included fine-tuning of those 2D networks. In addition, Geoteric was also the first software to offer full 3D AI Fault interpretation and fine-tuning for the 3D AI Fault interpretation on seismic volumes.

Within this release users have full control to manage their fine-tuned networks, enabling archiving, saving, and loading between projects.

The AI Fault network manager enables network organisation with renaming and deletion. Additionally, displaying sortable attribute information such as creation date and time, parent, and original foundation network.

Key areas of updates in Geoteric Stratum

- AI Fault network manager
    - AI Fault network renaming and deletion
    - Export of networks to archive for later use
    - Import of saved networks into a project
    - Network attribute information – when created, parent, foundation
    - Sorting the network list according to network name and attribute parameters

What do I need to do?

Speak to your sales representative at Geoteric to arrange access to this update on AWS.

Provided AI Networks

Ash: For smaller sized, good quality volumes with medium and large-scale faults. It is capable of distinguishing individual segments in a dense network of faults.

Birch: Excellent regional solution for larger sized volumes with medium and large-scale faults. It is robust in poorer quality seismic data and produces a clean, well defined fault delineation.

Larch: Excellent solution for all volume sizes with faults of all scales. It benefits from data conditioning.

Confidence: Best all-round network for detecting faults across all scales except the very small faults. Gives a complete, clean, and continuous solution for mid to large scale faults.

Bug fixes

GT-2243	Stopped the AI server progress bar from reporting more than one job in progress at any time
GT-2251	2D AI fine-tune using only Z sticks produced a confusing error, now displays a meaningful message
GT-2292	Volume process notes incorrectly labelled results as a confidence network volume result when running a combined network workflow
GT-2277	Invalid data used in fine-tuning will stop the fine-tuning process and inform the user

GT-1746	Fault stick editing issue after running 2D AI Faults, extracting the faults sticks from a slice or volume and then splitting and gluing the fault sticks together. This could cause straight line connections and looping of the fault stick. The fault stick is cut when selected without extra fault stick lines added to the click point. Fault sticks can now be joined without looping from the base of the fault stick to the join point
GT-2510	Memory leak issue when running 2D or 3D AI Faults. This could have caused system resources to have been fully used over time causing a slow down or crash of the PC
GT-2499	Geoteric crash when closing and opening the 3D AI Faults user interface whilst running fine-tuning or AI Faults evaluation
GT-2331 Link for Petrel	The link for Petrel 2020 and Petrel 2019 could not be installed at the same time
GT-2374 Link for Petrel	The Link for Petrel 2020 is now included in the full Geoteric installer kit

Known issues

Depending on the resolution and DPI scaling, Geoteric Stratum may fail to size and position menus and icons appropriately. If this is encountered, please set Geoteric' s High DPI scaling override to 'System (Enhance)'. See the separate document for resolution settings.