

Geoteric Stratum™ 2.0 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 to this release, Geoteric was also the first software to offer full 3D AI Fault interpretation. Within this release, Geoteric offers the fine-tuning addition for the 3D AI Fault interpretation on seismic volumes.

Key areas of updates in Geoteric Stratum

- Fine tune 3D networks
- Combine networks to create bespoke results

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 ones. Gives a complete, clean, and continuous solution for mid to large scale faults.

Bug fixes

GT-1198 Geoteric Stratum specific.	Minimising the 3D AI Faults Extraction Workflow window could cause it to disappear from the screen. Subsequently opening a 2nd window would cause a crash. This action now re-opens the window
GT-2210 Geoteric Stratum specific.	Intermittent crash fixed when working between interpreting fault sticks and running the 3D AI Faults Extraction Workflow
GT-2215 Geoteric Stratum specific.	Fixed a user-interface issue when the combined network had been selected but then the number of networks selected was reduced to only one, but the combined network was still ticked on albeit greyed out
GT-1974	Attempting to run AI Faults without a volume visible in the scene now has a more meaningful pop-up error message
GT-1752	Attempting to fine tune the Collaborative AI Faults with fault sticks which were only one point or less than one voxel in size caused a confusing error message and AI Server fail

GT-2011	Merging of fault sets caused a crash when trying to run the AI Fault Extraction workflow
GT-1591	Fixed an issue where the Collaborative AI fine-tuning failed with freshly picked fault sticks
GT-2280	Improved error message when running Collaborative AI Faults fine-tuning but without faults sticks in scene, the error message now explains the problem and what to do

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.