What's New: Geoteric 2023.1 – the world's first AI Seismic Interpretation workstation

In a world first, customers will have the power of AI Seismic Interpretation at their fingertips as an on-premises solution, behind their company firewall. Geoteric is complementing the ground breaking AI Fault Interpretation workflows with AI Horizon Interpretation, providing an enjoyable, accurate and robust workflow.

Quickly and easily extract large AI horizons that crucially, tie cleanly to the AI fault interpretation. The workflow can leverage the geoscientist's expertise combined with AI, to provide precise volumetric calculations and automatic fault surface extraction to accelerate the creation of structural models in 3rd party software.

Interpret 100% of your data, from surface to target of interest in just a few hours. Structurally-aware AI Horizons allow for better understanding of reservoir characterisation. Integrating colour blends brings together contextual, meaningful structural and stratigraphic information in combination with the AI Horizons from your seismic volume.

Key areas of updates in Geoteric 2023.1

- AI Horizons as an on-premises solution, behind a company's firewall
- Visualise extracted horizons in one click
- Opacity blend functionality extended for interpretation
    - Slices can display opacity blends
    - Interpretation window can display opacity blends
    - Geobodies can display opacity blends
    - Interpretation on opacity blends in 3D window, interpretation window
- Geoteric is supported on Windows 10 and Windows 11.

Geoteric 2023.1 Fixed Issues

Ticket	Content
240	Overlays of horizons on arbitrary seismic lines could not be switched off from view
336	Crash when adding more than one colour blend to the 3D scene, which also caused multiple colour templates to be added to scene
338	2D Colour blend viewer and the 2D Slice viewers; When rotating the view, wells now correctly keep their position and do not move
382	2D Colour blend and 2D Slice viewers: the use of Control&Shift and left mouse button to rotate the view together with the rotate tool and reset rotation option all correctly work in sync
441	2D Colour blend and 2D Slice viewers; the input fields for the inline and crossline spacing were too small to see and amend the values
478	2D Colour blend and 2D Slice viewers: the scale bar would not immediately update when maximising or minimising the window, without in-scene movement of the visualised data using the mouse. This scale bar update is now immediate when changing the size of the window or maximising/minimising
1782	Opacity blends were incorrectly displaying floating point seismic data if such data did not have a symmetrical data range (data range was not around the zero value). This would leave the opacity blend result looking different to the input
2716	Crash fixed when using PostScale for an RGB blend in the 3D scene
4181	Now possible to perform AI Horizons interpretation workflows on opacity blends in the 3D scene
4182	Now possible to perform horizon interpretation (Adaptive Horizons -tracked lines) on opacity blend volumes in the 3D scene
4202	User controlled editor updates in the horizon pack editor would cause the visualised horizon to randomly change to alternative horizons, making editing and viewing difficult
4204	Probe position of an opacity blend is now remembered, when removing from view and then visualising it in the scene again
4205	Interpolation settings on an opacity blend are now remembered, when removing from view and then visualising it in the scene again
4227	Slices can now display opacity blends
4228	It is possible to now display slices which are using opacity blends in the interpretation window
4272	Picking Adaptive Horizons (tracked lines) on slices which display Opacity blends is now possible
4280	Seismic slices which display opacity blends where the extent of the blend is smaller than the survey did not scale correctly onto the slice
4300	Opacity blends on slices were not updated when the opacity blend had been edited
4336	HDFD crash on large datasets for example 400GB and larger, now gives effective logging for debug purposes
4362	IFC+ Scatterplot was crashing when visualising the scatter plot based on a volume versus a log
4482	IFC+ Scatterplot failed to show any data when the selection was based on a pair of well markers
4580	The default Geoteric Process Manager port has been updated to a new one which is less commonly in use and could cause connection issues