

## Geoteric 2021.2 Release Notes

Geoteric's AI Faults – 2D Networks and AI Faults – 3D Networks which leverage multiple pretrained neural networks that can be fine tuned to create company specific networks are now available as an on-premises solution, behind a company's fire wall.

The release offers an alternative to the existing fault stick workflow by enabling automatic segmentation and extraction of fault surfaces either from an entire volume or as individual faults, defined by the user. The AI Fault interpretation workflow captures the entire value of AI Fault interpretation for building or updating 3D geocellular models for static property population and flow simulation or fault avoidance for increased safety in well planning.

The link for Petrel enables one-click transfer of data between Geoteric and Petrel and is compatible with Petrel 2020 and Petrel 2021.

Automatic fault surface extraction can also be leveraged in traditional edge-detection attribute workflows in Interpret as well as AI Faults – 2D Networks and for best-in-class results, AI Faults – 3D Networks.

### Key areas of updates in Geoteric 2021.2

- Automatic fault surface extraction from an entire AI Fault confidence volume
- User-controlled specific and singular fault surface extraction
- Automatic optional cleaning process to optimise fault surface extraction
- Automatic optional process for optimising fault intersections

### What do I need to do?

Access your download of Geoteric 2021 from your ftp location or speak to your sales representative.

### Bug fixes

These listed bugs are fixed in Geoteric 2021.2 and also in Geoteric Stratum 2.2

GT-2784	3D AI Faults issue. When running more than one network at a time including the cleaning process. There was the possibility that the process may have taken the incorrect cleaning volume through to the final stage.
GT-2848	Geoteric 2021.2 does not require a separate installer for the Visual Studio 2013 redistributables. This was only an issue for Geoteric 2021.1

These listed bugs were fixed in Geoteric 2021.1 and are now also fixed in Geoteric Stratum 2.2

GT-2198	Error message running Geoteric AI Faults - 2D networks (formerly known as Collaborative AI) due to incorrect temp directory being set. This is now set correctly during the installation as an environmental variable.
GT-2578	Crash when renaming a fault set and setting it active
GT-2588	Crash when renaming a fault set and visualising it

### Known issues

Depending on the resolution and DPI scaling, Geoteric 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.