GLOBE*Claritas*™
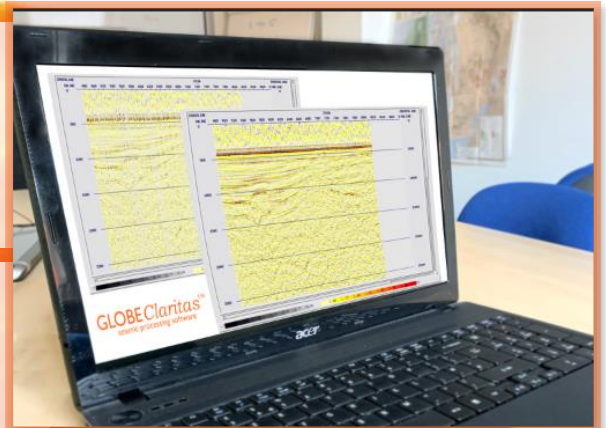## seismic processing software

PETROSYS

Claritas seismic processing software has been developed over 30+ years to align with industry needs in evolving seismic acquisition and processing environments.

Claritas delivers a cost-effective software solution when it comes to creating or enhancing your seismic data processing capabilities. Comprehensive tutorials and user-focused support information ensure that your team can rapidly start applying their geophysical knowledge. The low installation footprint allows flexible hardware specifications to suit your needs.

FieldQC

Claritas is an effective and powerful solution for acquisition field qc. Whether you are looking for a pragmatic solution for your field QC requirements or looking to provide innovative in field processing solutions Claritas can work for you.

Processing QC

The small install footprint of Claritas and its ability to run on anything from laptops to HPC systems makes Claritas the best solution for Seismic Processing QC consultants and Geophysicists allowing you to review results from the contractor, highlight issues and recommend suitable and more cost effective processing solutions.

2D/3D Marine Processing

Claritas is ideal for boutique processing shops through to large scale processing centres. Claritas has all the tools needed to effectively tackle marine processing projects of any scale, with solutions for; 2D and 3D SRME; deghosting and broadband processing; optimised 2D/3D PreSTM/PreSDM, NDimensional interpolation. The ability to scale across many cores allows you to tackle projects of all sizes with confidence.

2D/3D Land Processing

Claritas provides all the tools that a processor needs to deliver high quality results on both 2D and 3D Land surveys; robust automated first break picking; data QC tools dynamically linked to 2D/3D Refraction static solutions in conjunction with class leading residual statics solutions. A comprehensive processing toolkit means Claritas has everything a land processor needs.

Academic Users

Claritas is the perfect solution for teaching seismic processing to graduate level students or as a tool to facilitate research projects involving seismic data at Phd/MSc level and beyond. The Claritas processing tutorials available to all our users provide an effective 'course in a box'. Regular updates to both software and tutorials ensure they remain relevant and provide a valuable teaching resource.

GLOBE*Claritas*™
seismic processing software

The established choice to enhance your seismic data processing capabilities

Claritas – iMage

Our stand-alone iMage platform is a group of four, high-performance, parallel, seismic processing algorithms that operate alongside your existing seismic processing solutions. The iMage algorithms obtain higher quality results using less computer resources creating superior results faster.

OCTAVE

A broadband deghosting tool that is designed to extend the usable bandwidth of a marine seismic dataset. Octave uses a constrained planar deconvolution in the FX domain to correct for the low- and high-frequency "ghost notches" as a result of the cable tow depth. Octave is effective for constant and varying tow depths.

STITCH

An advanced 5D pre-stack regularisation and interpolation routine, that employs the POCS (position on convex surface) and IGR (Iterative Greedy Radon) algorithms in a 'smart' cascade. It can successfully infill even large (710 trace) gaps in complex data, resulting in higher fidelity clearer pre-stack migrations.

K3T

Advanced Kirchhoff 3D pre-stack time migration is a true 3D migration using the source and receiver location and can optionally include anisotropic curved-ray corrections. It is designed to work efficiently with your preferred velocity analysis tool so you can develop the optimal 2nd and 4th velocity fields or residual moveout corrections as desired.

SRME3D

A true 3D SRME modelling package that uses full 3D interpolation-on-the-fly to create an accurate model of the multiple, including 3D cross-line effects over multiple sail-lines. 3DSRME outputs modelled traces at the same location as the raw input seismic.

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