Absolute Imaging Inc. is a global seismic data processing company that delivers accurate, timely and quality seismic data processing solutions. Absolute is large enough to efficiently process large 2D and 3D volumes and provide fast turnaround; but small enough to provide personalized customer service. We have an exceptionally talented team of geoscientists who have completed projects from all over the world.

A key component of any processing center is the availability of a wide range of software solutions necessary to tackle the many different data sets encountered on an ongoing basis. Absolute Imaging offers a combination of proprietary and third-party solutions that are built around Landmark’s SeisSpace® software package. This combination of software solutions allows our users to effectively and efficiently process land, marine and transition zone 2D/3D/4D data.

Absolute Imaging can meet all of your seismic data processing needs including large projects and complex geologies. Our services include:

- **Land, Marine & Transition Zone Processing 2D, 3D & 4D**
- **Multicomponent Processing**
- **Environmental Near Surface Imaging**
- **Depth Imaging | Diffraction Imaging**
- **Reservoir Characterization**
- **Seismic Data Services**
LAND PROCESSING
global expertise and personalized service

Land seismic data processing techniques are divided into two distinct approaches, stratigraphic and structural, and require varying techniques / experience in order to reach the ultimate goal of creating the best image possible. At Absolute Imaging our processing Geoscientists have the experience needed to work in all types of geological environments.

**Stratigraphic**
Today’s plays are becoming more and more subtle and detailed processing work is needed to mitigate some of the associated risk. Robust surface consistent deconvolution routines are utilized to increase the frequency content of the data and provide phase stability. Powerful noise suppression techniques for both organized and random noise help uncover the underlying signal. When tieing various vintages of 2D lines or 3D volumes, accurate phase and static tieing is accomplished allowing mapping of thin horizons across a prospect. At Absolute Imaging our goal is to create seismic data that is well imaged, honours the true phase and amplitudes, while extending the bandwidth in a geologically correct manner.

**Structural**
Typically in tectonically complex areas one has to deal with a complicated near surface, a structurally complex subsurface and generally poor signal to noise.

Therefore, processing of this data requires specific experience and a diverse set of robust algorithms such as full featured velocity analysis tools; tomographic near surface static solutions; linear, random and erratic noise suppression techniques; and time and depth imaging tools. At Absolute Imaging our goal is to create a seismic section that has good S/N while maintaining the structural integrity.
Absolute Imaging has added marine processing to our service offering to better serve our expanding clientele base. We have the tools and global experience to deal with the complex imaging environment that is synonymous with this type of data. This includes our ability to match the phase, amplitude and static of various acquisition regimes in Transition Zone (TZ) projects.

Starting with the Geometry and utilizing tools to ensure its accuracy, proper data pre-conditioning involves various demultiple routines including: SRME; Noise Suppression techniques such as our proprietary Cadzow with Automatic Rank Determination; Regularization and Interpolation; Zero-Phasing; and De-signature tools. To aid in proper imaging of the geologic target in either Time or Depth, Absolute Imaging has accurate Velocity Analysis and advanced PSTM and PSDM imaging technology.

All of the above technology is available for towed streamer and OBS/OBC data.

Our marine experience extends to areas worldwide including the Alboran Sea, the Baltic Sea, Brazil, New Jersey and New York, Morocco, and the Persian Gulf. In Canadian waters, our experience includes the Beaufort Sea, British Columbia (Nass Bay & Fraser River), offshore East Coast of Canada including Bay of Fundy, Gulf of St. Lawrence, Grand Banks, Sable Island, and the Flemish Pass.
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