

Wind Energy

UHR Marine Site Investigation Processing Services

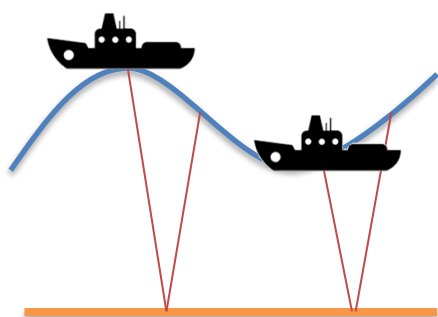
EPI offer bespoke testing, sequence development, and production processing (using [Shearwater Reveal](#) & [GLOBE Claritas](#) software) for ultra high resolution (UHR) data – providing a truly individual processing service. All EPI geophysicists have a minimum of 20 years' experience, handling the imaging from start to finish.

Data Processing

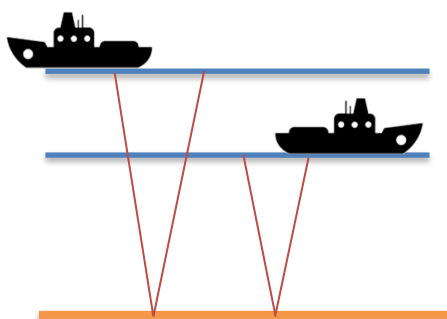
- Our pre-processing includes advanced statics, denoise and de-multiple techniques such as SWME.
- Our time and depth imaging solutions include Kirchhoff, Beam and Reverse Time Migration.

UHR Processing Challenges

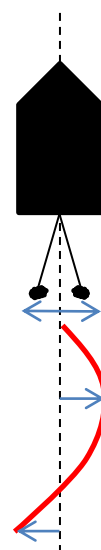
- Correcting for the movement of the source and streamers away from the nominal geometry in UHR can cause degradation of high frequency signal, due to small bin sizes, if not applied correctly.
- Wave motion and tidal variations also need to be corrected for, as the effects of these are greatly magnified in UHR datasets.



Vertical movements -
wave motion



Vertical movements -
tidal motion



Horizontal movements