



NODE SEISMIC SUPERVISION SOFTWARE

SEISMIC DATA CONSISTENCY/ ORIENTATION/ POSITIONING

Appseis is a seismic software specifically developed for the on-board QC of node surveys on the company side. It is a user-friendly Windows-based application designed to verify the consistency of the seismic and supporting deliverable data. It does not perform the QC sequence, which remains the normal task of the contractor. Appseis will be used by client representatives to assess the main steps of the sequence and free deliverables from anomalies.

APPSEIS MAIN FUNCTIONALITIES:

- Supports SEG-Y, SEG-D, SPS, BP SIT type, SHP formats.
- **Seismic trace analysis** in time domain, frequency domain, with signal to noise ratio automatic computation & list of samples.
- File headers & all trace header contents **consistency**
- **First Break Positioning**, regenerating its own picks
- **Geophone orientation** analysis using hodographs
- **Node coupling analysis** as a geophone to hydrophone comparison in amplitude and FX domains.
- **Verify SPS file** formatting, header and field contents.
- Display any field of an SPS sequence on a plane defined by any two other fields.
- **Verify the contents of all the fields of a BP SIT file type**, under the form of histograms, or colored displays of any field on a plane defined by any two other fields; or follow the relative positions of several source vessels at any shot time.
- **Full analysis of bubble tests** from SEG-D or SEG-Y gun controller outputs
- **Amplitude calibration of the Near Field Hydrophones** from a bubble test record.

ABOUT US

The developer: Jean-Jacques Chameau is an experienced Seismic Supervisor for nodes data acquisition. He has first developed Appseis for his own use and tested it in various nodes operations. Jean-Jacques Chameau is widely recognized by majors and contractors in this field. He is also a trainer for nodes operations and nodes QC supervision.

Kappa Offshore Solutions is recognized for its expertise in marine seismic data acquisition, from R&D to field support. Kappa Offshore proposes a wide range of solutions to make marine seismic data acquisition simpler, safer & greener.