



# EpiQC™ Software

Because quality control beings in the field...

EpiQC™ is a suite of software developed by EPI, which accurately and consistently controls the quality of your data and QC reporting. Intuitive to use, simple to set-up, it delivers results in a matter of minutes, putting your field QC back in the field.

EpiQC™ offers a unique three tiered approach to overseeing seismic field operations which aims to increase the amount of time QC and HSE Advisors spend in the field and to standardise all EPI deliverables.

- EpiTech is a data analysis suite of software which interrogates the test and production data generated by the seismic crew capturing every anomaly; it saves time by analysing raw data in a matter of minutes instantly producing bespoke reports.
- EpiHSE provides audit and inspection templates which can be downloaded to smart phones and tablets, allowing the forms to be completed in real-time, in the field and uploaded to a master database.
- EpiReport automatically analyses the seismic contractor's daily report and checks for errors against the files generated by the recorder which have already been analysed, capturing the results of the daily tests and reports on the activity of the QC and HSE Advisor.

## EpiTech

By capitalizing on years of field experience, EpiQC™ software has been constructed to optimize reporting functionality by:

- Time saving for QCs in reporting and analysing;
- Timely error detection and problem solving;
- Identification of anomalies in field data;
- Maximising technical and fiscal value of your seismic exploration investment by accurately and consistently monitoring the data acquired by the crew.

The programs are not designed to carry out complex analysis of data requiring numerous complex user interactions (and hence time), they are designed to spot anomalies quickly and alert the field QC of their existence.

This approach makes the programs easy to use and provides QC data for all of the day's data files in under one hour\*. Put another way, in one hour, for even the most complex project, EpiQC™ can analyse more than 600,000 points of survey data.

\* Based on EPIQC time and motion study 2016 – where one day's data is taken as 150,000 channels of survey data and 75,000 acquired source points.



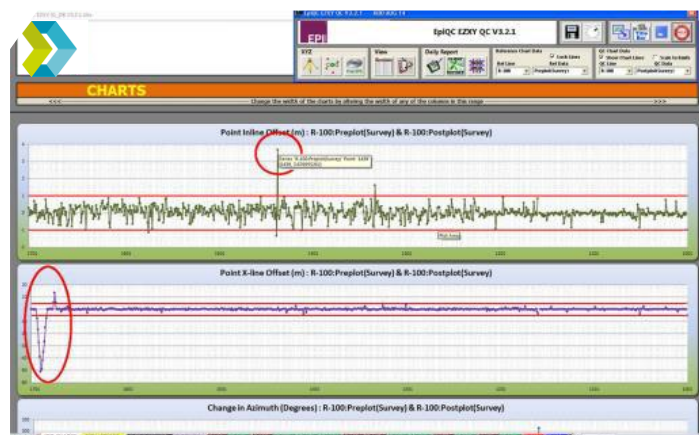
## EpiReport

EpiReport automatically analyses the seismic contractor's daily report and checks for errors using report history, SPS files and data logs. The software captures the results of the daily tests and reports on the activity of the QC and HSE Advisor. The chart to the right shows the results for the Survey Receiver daily reporting analysis.

Anomalies are quickly and easily identified – As the analysis is shown graphically the field QC can see instantly which points are in specification and which points are not.

Hovering the mouse cursor over a point on the chart will open a text box giving the point number and analysis details, as shown on the top chart.

EpiReport automatically produces a report document showing the key statistics of the day's activities in addition to the written reports, giving you peace of mind through automatic consistency checking between reports.



Postplot point positioning compared to the survey preplot data

The software maintains its own independent database and checks new crew daily reports against this, highlighting any anomalies found which are quick and easy to spot

## EpiHSE

There are many HSE audits and inspections to be carried out in the field. The results of these inspections have to be analysed and reported.

EpiHSE provides easy auditing, with a complete suite of inspection and audit templates, saving time by allowing instant uploading of reports from the field, and negating the need for lengthy report writing back at base.

Our exclusive software empowers everyone to undertake HSE inspections



In addition to providing a convenient field recording system the EpiHSE inspection software gives the auditor a useful set of guidelines for each inspection ensuring standards are maintained and is consistent across all inspections and for all seismic projects