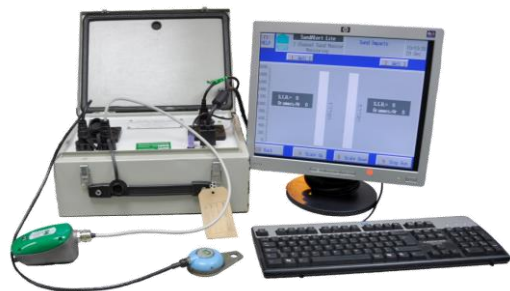
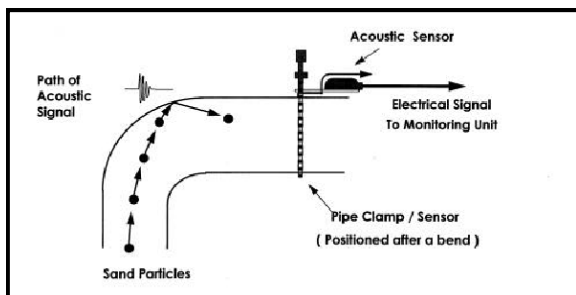


### Sand monitoring

The **Sand Alert** system is part of the Sand Management System Expro provide to monitor sand/solid production during well testing operations.

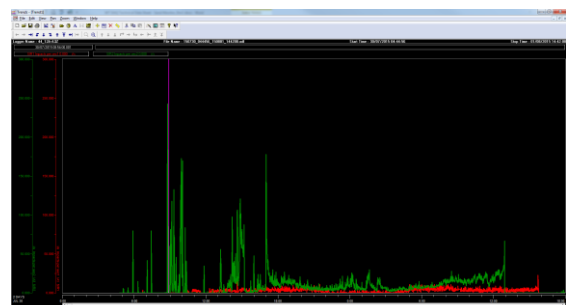


The Sand Alert system is a portable single or dual channel non-intrusive acoustic monitoring system which detects impacts and abrasions of produced sand/solids against the internal pipe wall.



The Sand Alert utilises a compact, easily installed, intrinsically safe acoustic sensor providing a cost effective real time qualitative readings of the sand/solids flow and quantitative mass flow.

Diagnostic data is displayed real time on the monitoring module allowing the raw data to be interpreted removing flow noise masking the sand/solids impacts on the internal pipe wall.



The system output is interfaced to the EdgeX data acquisition system which allows the data to be logged, trended, displayed and reported in real time along with the well and flow data allowing a complete understanding of flow and sand/solids production in relation to drawdown and clean up.

#### Features and benefits

- Fully portable non-invasive clamp-on sensor
- Simple installation
- No calibration to hydrocarbon flow rate required
- Suitable for multi-phase flow
- Sand rate independent of flow regime
- Real-time sand information and trend analysis

#### Applications

- Well testing
- Clean up/flow backs
- Production testing
- Production surveillance
- Platform monitoring