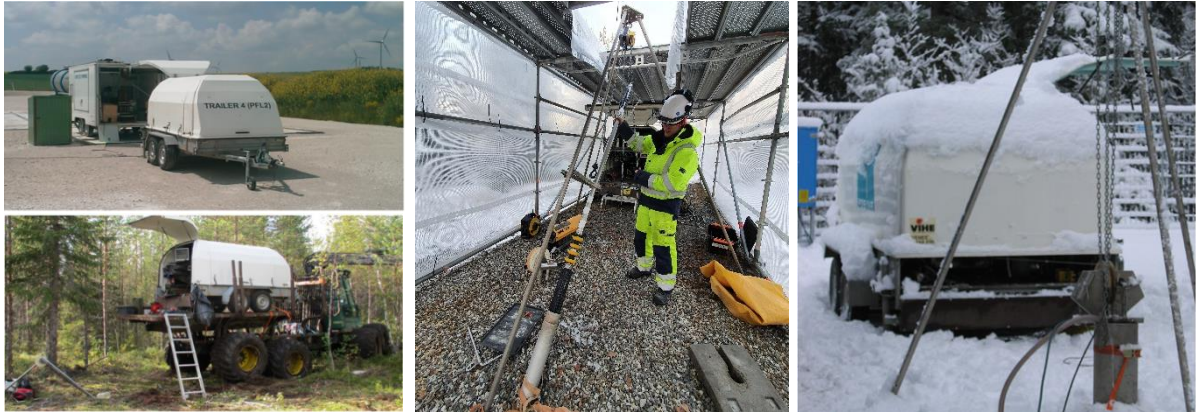


POSIVA FLOW LOG (PFL) MEASUREMENTS

Posiva Solutions has carried out PFL measurements for several nuclear waste management organisations as well as for several mining companies. Posiva has developed PFL and been using it in its own spent nuclear fuel final disposal project since 1990.



Posiva Flow Log trailers can be transported anywhere.

DESCRIPTION OF THE METHOD

The main purpose of the Posiva Flow Log (PFL) measurements is to find the location of the water conductive fractures in boreholes and determine the hydraulic properties of surrounding bedrock. The PFL flowmeter incorporates a flow guide and can be used for fast detection of flowing fractures along the boreholes with automated manner, which makes it very cost efficient.

Posiva Flow Log measurements include:

- Measurement of groundwater flows between borehole and bedrock in an undisturbed state and during pumping of the borehole
- Evaluation of the hydraulic conductivity of borehole sections based on the fracture flows in a natural state and during pumping and head difference between these two measurements
- Single point resistivity (SPR), temperature and electrical conductivity of the water and pressure

DELIVERED CLIENT VALUE

Understanding of groundwater flows and fracture locations at the measurement site. Savings in equipment investment cost and project time. Reliable analyses of the results and final report. Measurements give valuable input to modelling and thus to the Client's whole programme.