

# **Execution of Echometric Surveys in Storage Cavities and Visualization of Results Poster Description**

*by*

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The echometric surveillance of storage cavities is particularly important for reliably determining their volume while they in operation. The cavity volume determined provides information about the current volume of storage medium and also allows conclusions to be drawn about the convergence behavior of the cavity by comparing the results with those of the previous survey.

Applying the BSE tool generation developed by SOCON, measurements can be carried out in gas, crude oil, diesel and other hydrocarbons, in some cases even through the casing. During echometric surveying it is also possible to measure the level between the brine and the storage medium as well as other parameters such as pressure and temperature.

During the poster session the techniques for surveying storage cavities will be explained in presentations running automatically on PCs. These cover the entire survey procedure from the installation of the pressure lubricator (Fig. 1) up to the execution of the echometric survey itself, and also indicate application possibilities and accuracies that can be achieved.

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