

Solution Mining Research Institute Fall 2016 Technical Conference  
Salzburg, Austria, 25 - 28 September 2016

***Sounds Well* System:  
Non-intrusive Leaching Monitoring**

Benoit Brouard and Vassily Zakharov  
Brouard Consulting SAS, 101 rue du Temple, 75003 Paris, France

Gerald Daxner  
Salinen Austria GmbH, Steinkogelstrasse 30, A-4802 Ebensee, Austria

**Abstract**

There are currently several systems available on the market for continuous blanket-level measurement, but all are intrusive — i.e., something has to be set up downhole to obtain the measurement. The first non-intrusive blanket measurement system was installed at Bad Ischl, Austria, in June 2016. This system, *Sounds Well*<sup>™</sup>, allows real-time measurement of cavern-roof and cavern-bottom depths along the well axis, as well as remote monitoring of all other leaching parameters.

**Key words:** leaching, well logging, instrumentation and monitoring, computer modeling/software, level monitoring, blanket control, depression wave, gas dynamics, remote control

©2022 – Solution Mining Institute

Full Paper is Available in the SMRI Library([www.solutionmining.org](http://www.solutionmining.org))