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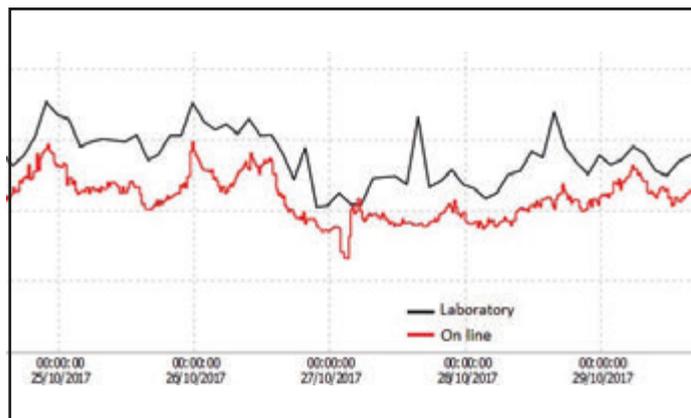
ONLINE MONITORING

Mining and Metal Refinery Applications

Online monitoring you can depend on

 Metrohm

Measurement trends from
an Australian metal refinery



Tailor-made analyser systems for most demanding needs

Metrohm Australia supplies analysers specifically tailored to your process needs. In addition to the analyser system, we engineer and provide virtually any sample preconditioning system, such as cooling or heating, pressure reduction and degassing, filtration, and many more. This allows you to implement the specific analytical tool you require.

In our database we have over 1000 different applications. Based on 40 years of experience in the field of process analysis the Metrohm Process analysers are capable of tackling any challenging application using titration, Karl Fischer titration, ISE, colorimetry, voltammetry, and CVS techniques. We also guarantee a successful installation.



Learn more by visiting our website:
www.metrohm.com.au

Total metal measurements in a process liquor in an Australian metal refinery

In late 2016 Metrohm Australia installed a process analyser including a stainless steel presampling system at an Australian metal refinery. The purpose to measure total metals online is to give accurate and more data for the operator to control the process. Having better control of the process increases the efficiency of the process and allows for significant savings in the range of hundreds of thousands of dollars every year. Performing the crucial measurements in the laboratory would delay important process adjustments significantly.

The practically instant results of a process analyser allow for immediate and timely adjustments and thus great savings. When analyses are performed manually the data frequency is insufficiently low. Increasing the frequency is not possible without automation. Laboratory measurements still play a very important role as part of a redundancy strategy but the online analyser's data provides typically the primary guideline.

Learn more on www.metrohm.com.au -> Process Analytics



Australian revolution: heavy metals in processes or in wastewater streams

In 2015 Metrohm Australia developed a new revolutionary way to measure heavy metals in processes or in wastewater streams 24/7.

The heavy metal analyser can measure following components in nearly any sample matrix: Hg, Cu, Sb, Zn, Ni, Co, Fe, Cd, Pb and As.

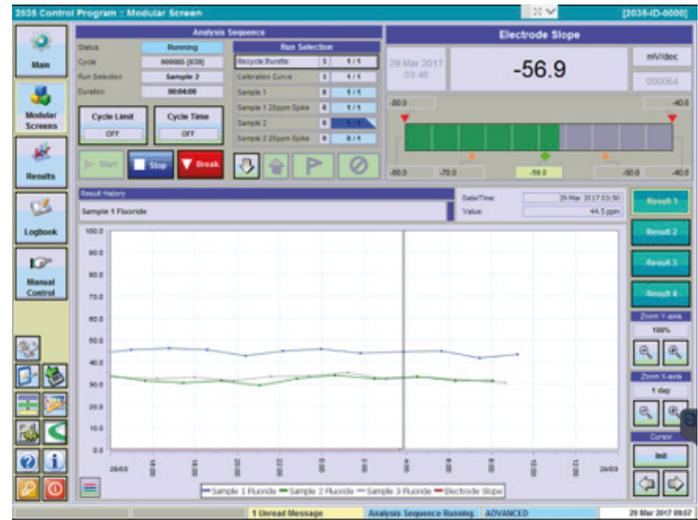
Ask for a brochure "Online Monitoring of Heavy Metals".



The heavy metal analyser installed at a satisfied customer's plant

Environmental analyses and pollution control

Metrohm Australia offers many solutions for mining and metal refineries to control their effluent streams and storm waters. We also can measure air pollution online, for example hydroxide, carbonate, fluoride and ammonia. In early 2017 Metrohm Australia installed a fluoride analyser to monitor fluoride content in storm water (site dust flushed into storm water and then monitored). The analyser is measuring multiple sample streams online as well as running self-tests (sample spiking) regularly to ensure that the produced data is validated and can be trusted. Despite the samples exhibiting high microbiological activity (like natural waters do) the analyser has run smoothly without any blockages due to algae bloom since installation. Manual cleaning is also not necessary due to the effective descaling/cleaning program.



Have we got you interested?

Please contact us and ask for further details.
Challenge us! See if we can do your analysis!

www.metrohm.com.au

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