

The Blue Cube Workshop

A technical workshop was hosted by Blue Cube Systems on 7-8 June 2018, at the Kleinkaap Conference Centre in Centurion.



BLUE CUBE SUCCESS FACTORS

Analysers Availability

- Having Product Service Support in place
- Adhering to the preventative maintenance plans
- Keeping critical spares on site to avoid longer downtime
- Following the schedule for scan head inspections
- Acting quickly to requested repairs to prevent further damage
- Sending the personnel for BC repairs training and client workshops

Data Reliability

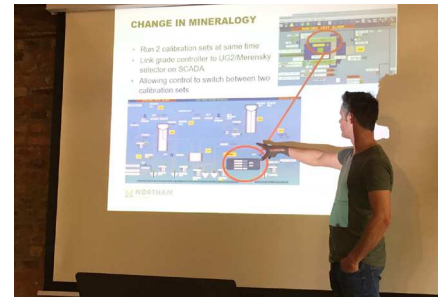
- Correct Installation point
- Stable process, well mixed flow
- Following calibration sampling schedule
- Collecting samples that covers the full operating range
- Sample preparation by means of approved methods for true sample representativity
- Quick lab turnaround time

The workshop was attended by delegates from eight different processing plants in South Africa, mostly representing the local chrome and platinum industries, as well as a delegates from the graphite industry in Mozambique.

The sessions included an overview of the calibration models by Fernando Nieuwveldt. This session touched on the typical calibration process, performance of the analyser and using the Outlier Indicator. A presentation on the Blue Cube technology was presented by Matt Molteno. It covered the MQi installation, measurement process, and the use of the electromagnetic spec-

trum and halogen light source. The Blue Cube success factors was presented by Mosima Mathibe, where she focussed on analyser availability and data reliability. Brian Whitehead from Northam Platinum Booyendal and and Ike Madingoane from Nkomati Mine illustrated how they are using real time data for process control. A presentation on The Balama Graphite Project was done by Emmanuel Ngwenya from Mozambique.

The workshop posed an excellent meet and greet and networking opportunity. Positive feedback was received and we look forward to hosting another one soon.



New Products



Multi-Stream MQi Analyser

The Multi-Stream MQi Analyser combines the functionality of 7 MQi Data Processors and a Communications Gateway. Clients wishing to incrementally increase the Blue Cubes in their plant can now do so, with better pricing options.

The systems consists of a central Multi Stream Data Processor (as shown). Measurement points each have an Optical Interface Unit and MQi Optical Processor.

Sample Cabinet

The Sample Cabinet protects slurry sample buckets from contamination. It is compatible with any single or Multi-Stream MQi system.

Samples are automatically weighed with a built-in load cell and provides Blue Cube personnel with valuable information to build better calibrations. Further, it features an interface button with which a sample can manually be triggered.

