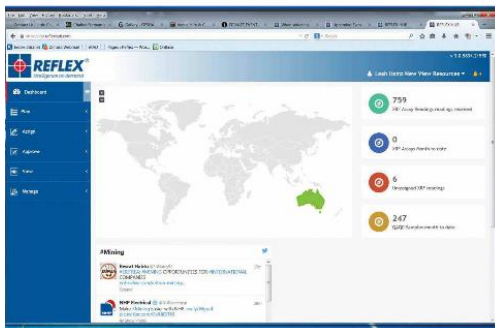


# Making critical decisions in **real-time**

Resource companies are already realising the benefits of knowing, in real-time, what is happening across their exploration or mining project, with a new emphasis on data acquisition and connectivity across their businesses.



The REFLEXHUB-IQ home screen

**T**he connection of the recently launched REFLEXHUB-IQ (REFLEX's secure, cloud based, data management platform) to its REFLEX EZ-TRAC, REFLEX EZ-GYRO, REFLEX XRF and REFLEX TN14 solutions, has been welcomed by the industry.

REFLEX forms part of the minerals division of Imdex, an ASX listed company providing quality drilling fluids and leading down hole instrumentation, structural geology, geosciences and data solutions to the mining industry worldwide.

2016 will see further development of the REFLEXHUB-IQ solution, which has relevance across Africa where remote locations have historically resulted in limited and disrupted communication between city-based offices and on-site teams for project work. Consequent errors and delays result

in decreased confidence in consistent data. REFLEXHUB-IQ provides a secure platform for the transmission of information on remote projects between on-site geologists and drillers and city-based decision makers.

In 2016, REFLEX will further leverage the secure, real-time capability of REFLEXHUB-IQ with the wider promotion of its new borehole gamma logging solution, the driller operable REFLEX EZ-GAMMA. While the significant cost and time savings inherent in the driller operable solution are key, access to gamma logs in near real-time provide a unique opportunity for critical decisions to be made before the drill rig moves on.

"Results are available for the customer within minutes of completing the survey, rather than the two day normal waiting period," says REFLEX global product manager – geosciences, Dave Lawie. "These efficiencies are very attractive to any (resource) company in the current climate."

### The proof

In October 2015, REFLEX successfully deployed a memory-based, driller operable gamma logging device down what is acknowledged as the deepest diamond drill hole ever drilled in Australia at 3 011.5 m.

In a recently conducted field trial of



Real time logging is achievable with the EZ-GAMMA

the REFLEX EZ-GAMMA, the innovative combination of the REFLEX EZ-GYRO (a north seeking gyroscopic survey instrument) was coupled with the REFLEX EZ-GAMMA in order to provide critical information on the hole position and lithology of the surrounding rock, in near real time.

The coupling of the REFLEX EZ-GAMMA with the REFLEX EZ-GYRO and their communication with the secure, cloud-based REFLEX HUB in near real-time, provided significant efficiencies for one of the world's largest gold producers, KCGM, at its Fimiston open pit in Kalgoorlie.

"Being able to look at the gamma logs while still on site was very useful," says senior geologist David Nixon. "It would usually take days for this data to be available."

With both instruments being driller operable and, as a result, requiring no service providers to perform the task, the gamma logging was done without downtime delays and at minimal cost.

"Apart from the time and cost advantages, using the rig wireline enabled us to get to the bottom of the hole. Many service providers cannot get to this depth. However, as we were able to, we managed to get the maximum data all the way to the bottom," notes REFLEX gyro products support engineer, Guru Jabbal.

The gamma logs from the EZ-GAMMA provided a direct correlation to the core samples already logged. This provided the assurance that the logged core was accurate, while simultaneously identifying and confirming the location of the "Golden Mile Fault". Core orientations have historically been notoriously unreliable, so the affirmation of this information in the REFLEX EZ-GAMMA provided further confidence for KCGM in their findings. **MRA**



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