



REFLEX to Commercialise DET CRC's Lab-at-Rig® Technology

Deep Exploration Technologies Cooperative Research Centre (DET CRC) has signed an exclusive agreement for its top-of-hole analysis technology, Lab-at-Rig®, with REFLEX, a global provider of game changing technologies including downhole instrumentation, data management and data analysis solutions to the minerals industry. REFLEX is a business in the ASX-listed Imdex Group of Companies (IMD).

Lab-at-Rig® developed by DET CRC participants, CSIRO, Imdex and Olympus Scientific Solutions Americas provides a means of measuring drill hole geochemistry and mineralogy at the drill site within minutes of the drilling process.

The current technology utilises X-ray fluorescence geochemistry and X-ray powder diffraction mineralogy on diamond drill cuttings, with standardised sampling protocols and quality control built into the sampling workflow.

This delivers objective, consistent, quantitative and rapid geological data which is complementary to, and in many ways surpasses, traditional geological logging, which is subjective, inconsistent, qualitative and time consuming.

Real-time delivery of Lab-at-Rig® data allows mineral explorers to log downhole geology and validate exploration targets during the drilling process informing decisions such as whether to terminate or extend drill holes or whether to modify the location or trajectory of subsequent holes. Such decisions, made in a timely manner, can result in significant cost savings.

Ian Hardwick, DET CRC CFO, commented "Lab-at-Rig® is the product of a truly world class, multi-disciplined research team from industry and academia brought together under the DET CRC".

"We are very impressed with REFLEX's vision and level of commitment to further developing the technology and look forward to seeing it make a real impact to the industry".

"Lab-at-Rig® is the second of our three key pillar technologies to be licenced for commercialisation and our third pillar, the Coiled Tubing (CT) Drill Rig is well into development".

"Considerable time, resources and effort have been invested in the Lab-at-Rig® project as part of the DET CRC," said Derek Loughlin, Chief Executive, REFLEX. "We are very pleased with the outcome".

"Lab-at-Rig® is a strategic part of our broader Assay While Drilling business which REFLEX is pioneering as part of our real-time, sub-surface, intelligence solutions".

Lab-at-Rig® will be developed alongside REFLEX's other Assay-While-Drilling technologies and integrated with REFLEX solutions such as the secure, cloud based REFLEXHUB-IQ. This connectivity allows interrogation of real-time drillhole assay data from anywhere in the world on your mobile device, supporting timely and cost efficient decision making.

In the current environment, demand for technologies that increase productivity and reduce costs is growing as the minerals industry strives to increase efficiencies in order to prosper.

www.detcrc.com.au
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