

E&MJ

ENGINEERING AND
MINING JOURNAL

INCORPORATING:

World Mining Equipment

Project Survey 2013

—Annual growth rate
for project pipeline slows

*Africa's Mineral Heartland: The
Democratic Republic of Congo*

Digital Solutions for
Surveying and Mapping

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FEATURES

E&M's Annual Survey of Global Mining Investment

Last year's survey questioned whether the long boom in mining investment was starting to weaken, or just experiencing a temporary market adjustment. This year's verdict: the boom has peaked..... **28**

Tools to Assist in Planning and Design

As mining companies face rising costs and volatile commodity markets, making the right design decisions is a must. E&MJ looks at worrying capex trends, and some of the software available to help keep costs under control. **34**

Exploring the Dimensions of Digital Solutions in Mine Mapping

Apart from advantages in speed of data collection and analysis provided by digital technology, perhaps its greatest benefit is this: even as mine projects become more complex, the tools needed to map them are getting easier to use **40**

Microwave-based Moisture Measurement of Bauxite Ore on Conveyor Belts

Field-proven analyzers offer improved accuracy, a wide measurement range suitable for many applications, and dependable performance in harsh environments..... **44**

Special Report: Mining in Democratic Republic of Congo

A journey to Africa's mineral heartland **51**

Preparing for Brazilian Growth

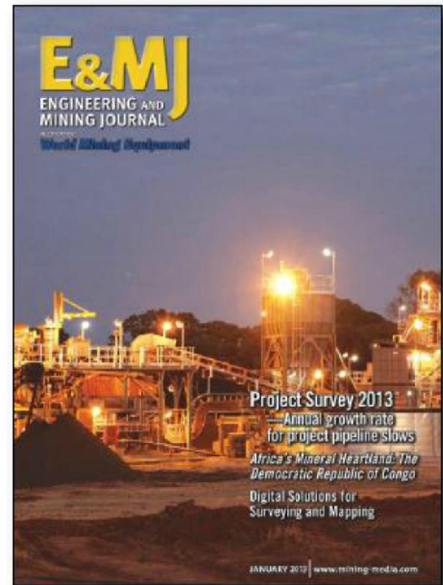
Long before the BRIC acronym became popular, Liebherr was helping Brazil build **80**

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In addition to the 2013 Project Survey, this month E&MJ publishes a GBR report on developments in the Democratic Republic of Congo. The cover photo is a night time shot of a heavy media separation plant at Tiger Resources' Kipoi project, which is processing ore mined from the Katanga Copper Belt.

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