

E&MJ

**ENGINEERING AND
MINING JOURNAL**

INCORPORATING:

World Mining Equipment

Shaft Sinking at Bakubung

Cleaning Up the Red Mud

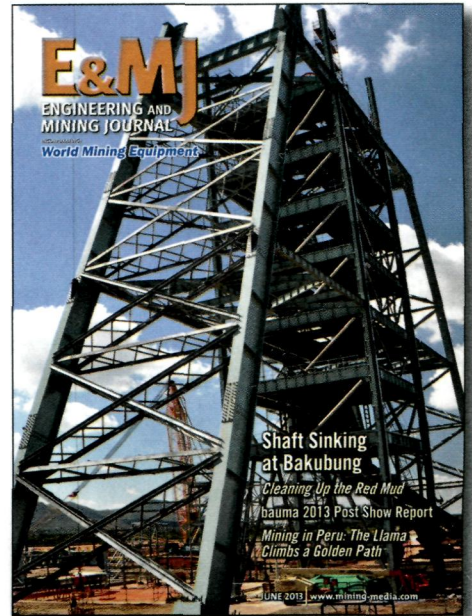
bauma 2013 Post Show Report

***Mining in Peru: The Llama
Climbs a Golden Path***

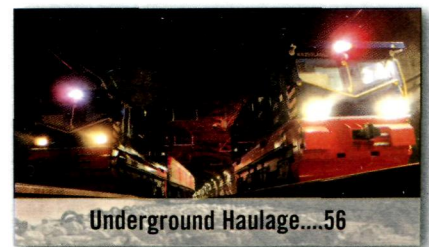
JUNE 2013 | www.mining-media.com

FEATURES

Underground Rock Handling <i>E&MJ looks at some recent developments in both traditional and unconventional systems for moving rock in underground mines.....</i>	56
Russian Gold Industry Looks Toward a Period of Stable Growth <i>Russia intends to move to third place on the list of the world's largest gold miners by 2016</i>	64
Shaft Sinking Begins at Wesizwe Bakubung <i>A Chinese investor quietly drives rare platinum greenfield project</i>	76
Dynamic Earth Model Offers New Exploration Insights <i>Miners looking deeper underground for new mineral deposits need better tools to reduce risk and identify favorable locations. Comprehensive digital subsurface models offer improved technology to accomplish both of these goals.</i>	80
Leveraging Lubrication <i>It's a time-worn adage, but still true: pay now or pay later. When it comes to proper lubrication of mine equipment, a few dollars spent now can help avoid major unplanned costs in the future.</i>	82
Liebherr Cranes Keep Big Wheels Turning <i>In a carefully choreographed maneuver, three cranes lifted, turned and positioned a 140-mt replacement wheel for one of the world's largest excavators</i>	86
Cleaning Up the Red Mud <i>Canadian scientists hook up with worldwide waste management specialists to introduce a technology breakthrough that will reclaim the scourge of bauxite beneficiation</i>	88
A Promising New Development in Coal Analysis	92
bauma 2013 Lives Up to Expectations <i>The mining segment and the world's largest equipment fair continues to build momentum.....</i>	98
Getting More Gold from Slimes: Higher Productivity in Wet Chlorination <i>Continuous monitoring of in-line oxidation reduction potential assisted a major copper producer in developing a sustainable, efficient approach to slimes processing that required less costly reagents, increased yield and improved efficiency.....</i>	110
Special Report: Mining in Peru <i>The llama that lays the golden egg</i>	113



The Bakubung platinum mine plans to raise 230,000 metric tons per month (mt/m) of ore to the surface from a 1,000-m deep main shaft. The superstructure (on the cover) stands 86-m high and holds 1,860-mt of headgear.



LEADING DEVELOPMENTS

Labor Issues Continue to Roil South Africa's Mining Industry	8
Schweitzer Replaces McAllister at Stillwater	8
Alcoa Revises Baie-Comeau Modernization Schedule	8
Tunnel Collapse Kills 28 at Freeport Indonesia Underground Training Facility	9
Capstone Buying Pinto Valley Mine from BHP	10

AROUND THE WORLD

U.S. & Canada:

<i>Nevada Copper Plans Two-stage Development at Pumpkin Hollow</i>	14
--	----

Latin America:

<i>Pueblo Viejo Dominicana Agrees to Lease Amendments</i>	24
---	----

Australia/Oceania:

<i>Rio Tinto Opens Argyle Underground Mine</i>	28
--	----

Africa:

<i>Kinross Studying 38,000-mt/d Mill for Tasiast</i>	32
--	----

Asia:

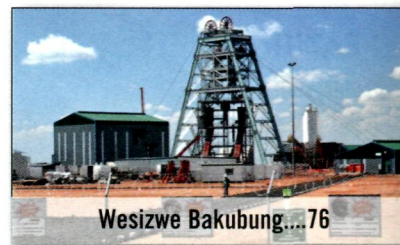
<i>Centerra Dealing with Waste-rock Dump Movement at Kumtor</i>	36
---	----

Exploration Roundup:

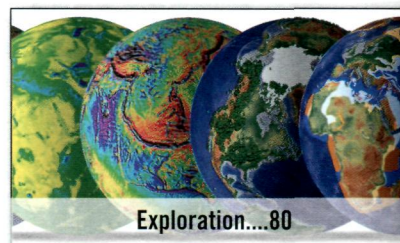
<i>Colorado Resources Advances Exploration</i>	40
--	----

DEPARTMENTS

Calendar	48
Classified Advertisements	166
Equipment Gallery	160
From the Editor	4
Markets	168
Operating Strategies	149
People	20
Processing Solutions	156
Suppliers Report	152
This Month in Coal	44



Wesizwe Bakubung...76



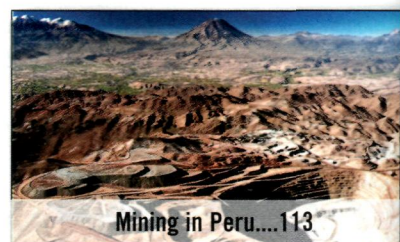
Exploration...80



Maintenance...86



Orbite...88



Mining in Peru...113