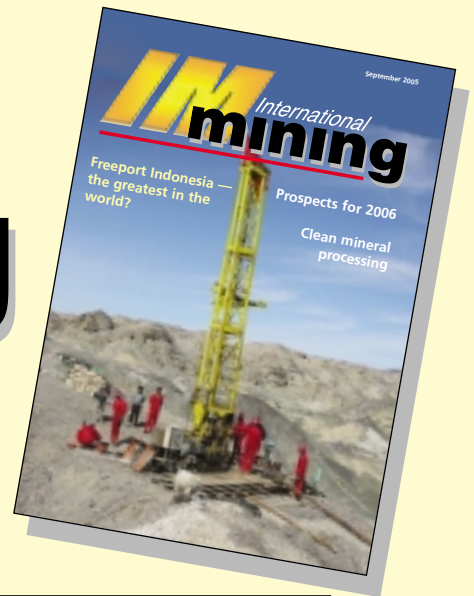


IM International mining

Editorial Calendar 2005/06



NOVEMBER 2005

Operation focus – North America's deepest, the famous **Kidd Creek** orebody yields copper, zinc, indium, cadmium, silver and sulphuric acid. In July 2000, the board of directors approved the development of Mine D. This extends Canada's Kidd Creek mine from a depth of more than 2,000 m to over 3,000 m, giving access to an additional 10.3 Mt of reserves and 14.1 Mt of resources.

African focus – New projects in Africa and how the local suppliers, primarily in South Africa, are supplying the needs of this vibrant industry.

Slurry handling – Product and waste, both streams (concentrates and tailings) benefit from innovations in pumping, piping and more.

Longwall mining – Faster extraction and improved development.

DECEMBER 2005

Operation focus – **CVRD's iron ore**. The expansion plans of the world's largest iron ore miner include increasing annual production at six mines by 76 Mt by 2007.

Trackless productivity – What's new in loading, hauling and support equipment underground?

Surface loading tools – Electric shovels, hydraulic shovels, wheel loaders; what's new and what's best?

Oil sands – In the energy mix, Canada's oil sands are becoming ever more important and are swallowing huge amounts of heavy earthmoving equipment.

Extra distribution at **Exploring the Modern Minerals Renaissance, Northwest Mining Association Convention, Spokane, USA**. www.nwma.org/convention.asp, December 5-9.

JANUARY 2006

Operation focus – **Australian action**. Australian mines are often world leaders in technology and techniques. IM will examine some of the most interesting examples.

Nordic resurgence – The great mining equipment traditions of Sweden and Finland were built on a domestic mining industry of some importance. Exploration in the frozen north is leading to some very interesting developments. IM will look at both advances in technology from the region and its mining rebirth.

Screening – A simple process, but one seeing some major innovations.

Monitoring the pulse of the mine – Real-time mine surveying, machinery diagnostics, asset tracking, GPS and satcomms.

Extra distribution at **Mineral Exploration Roundup 2006, The Westin Bayshore Resort & Marina, Vancouver, BC, Canada**. www.chamberofmines.bc.ca. January 23 – 26

FEBRUARY 2006

Operation focus – **Jaguar Nickel's** current exploration and development programme is focused on the nickel laterite deposits of its properties in Guatemala.

British Columbia – Always supported by strong technology, particularly software, and some great world service providers in mine and process engineering, the mining industry of this great province is forging ahead once again.

Software – Reserve calculations, mine planning, reconciliation and more. What's new?

MARCH 2006

Operation focus – **BHP Billiton's Rapid Growth Project 2** (RGP2) is a \$575 million project to expand the capacity of its Western Australia iron ore operations from 110 to 118 Mt/y during the second half of calendar year 2006.

Process plant engineering – The engineering companies at the forefront of processing and metallurgical advances.

The Iron Range – Minnesota's Iron Range is one of the older, but still very vibrant iron ore producing regions

Acid rock drainage – Management, treatment and prevention of ARD

Extra distribution at the **SME Annual Meeting and the 7th International Conference on Acid Rock Drainage**, both in St Louis, US, March 27-30.

APRIL 2006

Operation focus – **Olympic Dam**, one of the world's truly great mines, producing copper, uranium, gold and silver in South Australia. Olympic Dam is the world's fourth-largest remaining known copper resource, the fourth-largest remaining known gold resource and the largest remaining known uranium resource. It still has 50 years more life.

Drilling advances – What's new on surface and underground?

Tailings management – Its still the industry's biggest problem and is subject to much R&D. What's new?

Used equipment – What's happening after some two years of struggle to buy new machines?

Extra distribution at **Paste 06, the 9th International Seminar on Paste and Thickened Tailings**, Limerick, Ireland, April 3-7.

Extra distribution at **Intermat**, Paris, April 24-29.

MAY 2006

Operation focus – **European Minerals' Varvarinskoye** in Kazakhstan is a gold-copper project with proven mineral reserves of about 1.9 Moz of gold and 237.7 Mlb of copper. Initial development will be an open pit to extract near-surface leachable sulphide ore, later to be supplemented by underground mining. It is expected to treat 4.2 Mt/y for a mine life of some 15 years with gold production anticipated to commence in the 4th quarter of 2006.

World copper – What's the latest state of great projects like Spence, La Granja, Saindak, Konkola Deep and many more. What are the latest advances in copper extraction.

Underground communications – Talking, tracking assets, monitoring machine health, and more.

Canadian technology – Cutting edge ideas in mining, processing and ancillary sectors.

Extra distribution at **EXPOMIN**, Santiago, Chile, May 9-13.



JUNE 2006

Operation focus – Pogo is a world class gold deposit located some 140 km. southeast of Fairbanks, Alaska. A probable reserve of 7 Mt at 16 g/t has been delineated. A 2,500 t/d underground mine and mill operation started up very recently.

Advances in gold extraction – What have the alchemists come up with in the past few months?

From blasthole to process plant – Maximising fragmentation through the cycle.

French technology – France may have lost much of its mining industry, but there are still some important global suppliers to be found here.

JULY 2006

Operation focus - Longwall operations at **BHP Billiton Illawarra Coal's** Dendrobium mine started 14 months ago, the first new mine investment in the New South Wales Southern Coalfields (Australia) in more than 20 years. With state of the art longwall and coal preparation technology, Dendrobium will be capable of producing up to 5.2 Mt/y of raw coal.

London – In 2004/2005 dozens of new mining companies floated on AIM, many working in more 'out of the way' places like 'The Stans', China, Russia, etc. IM brings an update on some of the activity.

Spain – One of the dynamic mining industries of the EU, and a significant supplier sector.

Exploration technology – The best and cheapest ways to find your bonanza!

AUGUST 2006

Operation focus – In 2004, **Codelco** completed engineering studies of the projects needed to reach 2.5 Mt of fine copper by 2012 from the current 1.8 Mt/y from all the divisions. IM looks at the projects: expanding the Andina mine and concentrator from 70,000 t/d to 230,000 t/d of ore; the Alejandro Hales mine; transition of Chuquicamata from open-pit to underground.

Process control – How to maximise concentrator recoveries.

Charging and blasting – Making the tasks easier, safer and more effective

SEPTEMBER 2006

Operation focus – **Sishen**, South Africa, one of the world's great iron ore mines has always been a technology leader. The Sishen Expansion Project (SEP) will increase production from the current 28 Mt/y to 38 Mt/y by 2009. Construction started in mid 2005, with production ramp-up to commence by mid 2007.

Global Coal – Its still booming and IM takes a detailed look at the markets.

US technology – The US is perhaps best known for its big open pit machines, but there is so much more.

Extra distribution at **Electra Mining, Johannesburg, South Africa.**

OCTOBER 2006

Operation Focus – Campo Morado, Farallon Resources' zinc-gold-copper-silver-lead project in Guerrero State, Mexico. Last year a \$2.1 million programme addressed the

metallurgical challenges faced due to the finely disseminated mineralization of the various deposits that make up the project. Farallon's Partox process involves medium-temperature/pressure oxidation in an autoclave, designed to oxidize about 20% of the sulphides, selectively extract zinc and copper into solution and partially oxidize precious metal-bearing sulphides, leaving most of the barren pyrite in the concentrate un-oxidized.

Clean processing – Gravity separation, better reagents, innovative technologies. All these and more are making the recovery of metals cheaper and cleaner.

Tyres – What is new on the market and, two years on, what is the situation in the tyre sourcing crisis?

Eastern Europe – many countries joined the EU recently, and more will do so soon. There are some very interesting projects in Romania, Poland, Bulgaria, Cyprus and elsewhere, and there is a supplier base of great interest.

Due diligence – how, where and what are appropriate levels of study by mining experts to identify and assess the significant aspects of a mining prospect or acquisition.

NOVEMBER 2006

Operation focus – Voskhod and Shevchenko, the Oriol Resources' stainless jewels in Kazakhstan. Two mines; one chrome, one nickel and much synergy.

CIS focus – New projects abound and equipment suppliers are breaking into new markets, with some interesting technologies.

Continuous surface mining - how best to get the money for your project, but don't forget all the aspects of insurance, from project initiation to

Reagents – Flotation, flocculation, clean up – what's new?

Mine finance and insurance – how best to get the money for your project, and the cover you need, from project initiation to closure

Extra distribution at **Reagents 06, Mount Nelson Hotel, Cape Town, South Africa.**

DECEMBER 2006

Operation focus – Tenke Fungurume is the world's greatest known, undeveloped copper project. Harry Oppenheimer said that, years ago. What progress? In 2005, Tenke Mining was saying "the concessions contain extensive high-grade resources that potentially exceed the present resource estimate of 547 Mt with a grade of 3.5% Cu and 0.27% Co as they still remain extensively under-explored."

Underground haulage – trucks, shuttle cars, conveyors, trains and hoists.

Automation underground – The advantages can be in greater productivity, greater safety, more efficient use of machines and more

World coal developments – In the energy mix, coal remains huge, despite the best efforts of those opposed. Where are we going with new mine developments and new technologies to help the world generate power from coal cleanly?

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History of the industry

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Events, awards, etc.
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World Prospects
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For further information contact:
John Chadwick, Publisher/Editor or Emma Joseph
Team Publishing Ltd
2 Claridge Court, Lower Kings Road
Berkhamsted, Hertfordshire, England HP4 2AF
Tel: +44 (0) 1442 870 829 Fax: +44 (0) 1442 870 617
Email: john@im-mining.com or emma@im-mining.com
Website: im-mining.com