



MINTEK

Opportunities for cooperation in the mining sector

Alan McKenzie, General Manager: Technology

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Where are the opportunities



- The world is a global village
- Time and distance (and language) are no longer an impediment to working together
- People are transportable and move around
- Diversity can be harnessed for better solutions



Priorities

The image shows the flag of the European Union, which is a blue field with twelve five-pointed gold stars arranged in a circle. The letters "EU" are superimposed in the center of the flag in a large, black, sans-serif font.

EU

- Employment
- Economic development
- Resource self sufficiency
- Recycling

The image shows the flag of South Africa, which features a red horizontal band at the top, a green horizontal band at the bottom, and a white diagonal band from the top-left to the bottom-right. A black triangle is at the top-left, and a blue triangle is at the bottom-right. The letters "RSA" are superimposed in the center of the flag in a large, black, sans-serif font.

RSA

- 12 National outcomes
- 4 – Decent employment
- 10 – Environment / natural resources

Strengths

The image shows the flag of the European Union, which is a blue field with twelve five-pointed gold stars arranged in a circle. The letters "EU" are superimposed in the center in a large, white, sans-serif font.

EU

- Pockets of mining excellence, e.g. automation
- World leading equipment vendors

The image shows the flag of South Africa, which features a red triangle at the top, a green triangle at the bottom, and a blue triangle at the hoist. A white triangle in the center contains a black and yellow chevron. The letters "RSA" are superimposed in the center in a large, white, sans-serif font.

RSA

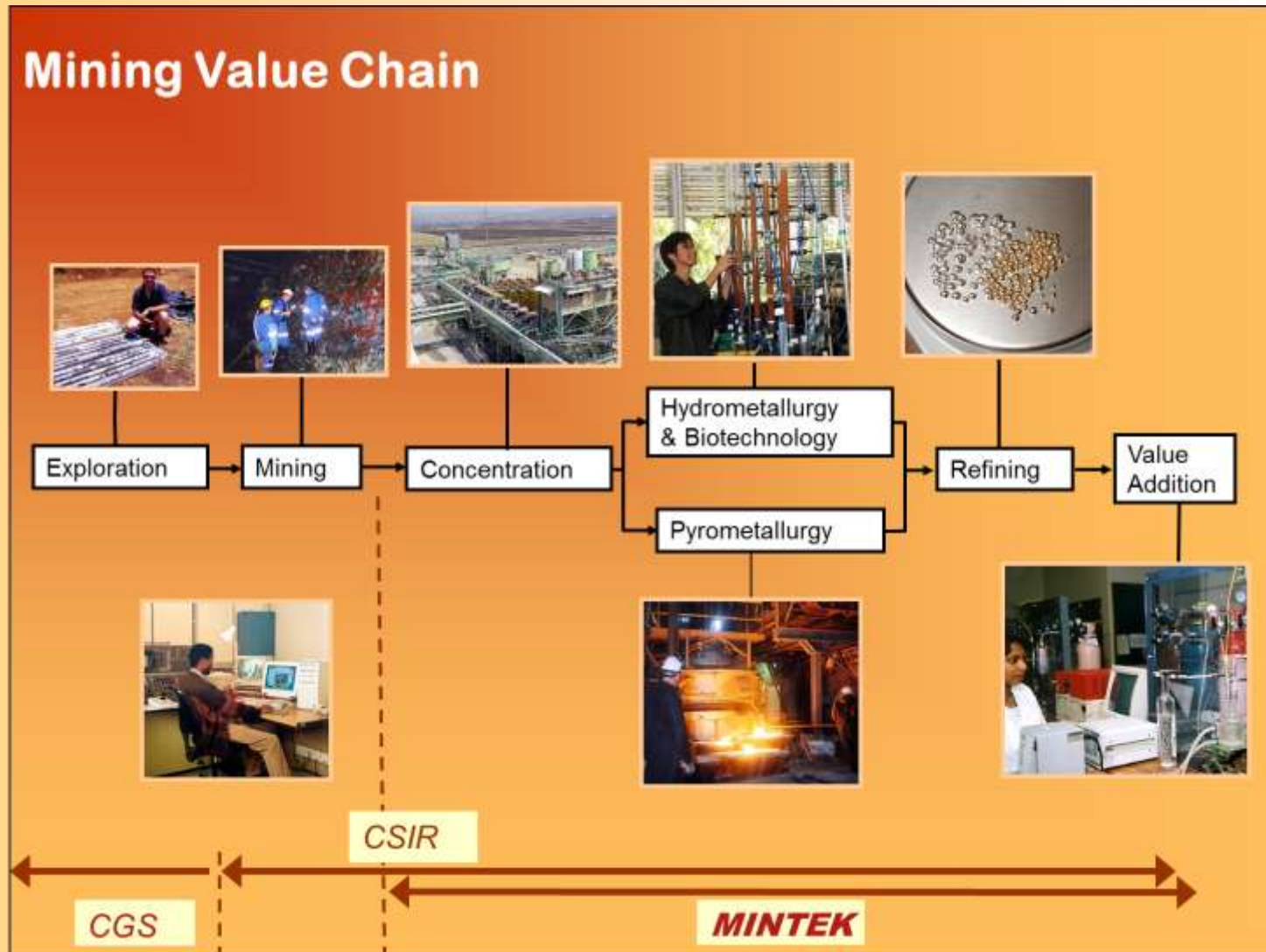
- Economy underpinned by mining sector
- Infrastructure
- People / skills / experience
- National will

Challenges

- Are the priorities aligned?
- Success rate and return on effort
- Sustainability of programmes
- Lack of universally accepted “roadmaps”
- Fragmentation of effort
 - EU – Member States vs Commission
 - SA – Different agencies



The value chain



What are the opportunities

- Energy Minerals, e.g. coal
 - Current programmes on coal upgrading, gasification etc.
- Automated mining
 - Deep mines, safety etc.
- Rare Earth Elements
 - Strategic to both RSA and EU
- Recycling / Urban mining
 - Including dump retreatment
- Energy efficiency / reduction
 - Processing closer to source
- Water efficiency
- Effluent treatment / Zero effluent
- Rehabilitation

Thank you



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