

## Video Transcript

# THE CIRCULAR ECONOMY HANDBOOK

## Realizing the Circular Advantage

### Challenges and Opportunities in the Metals & Mining Industry

The circular economy is a promising solution to resource challenges in the metals and mining industry

This sector is expected to reach \$3.6 trillion in size by 2030...

Accompanying this is a predicted 250% increase in demand for metals

Creating increased extraction and waste generation activities

How can this growth be managed in a sustainable way?

**The circular economy provides organizations with 3 significant opportunities to create additional value**

1. Scale renewable inputs to reduce energy costs, consumption and carbon footprint
2. Embed circularity within site operations to reduce or eliminate mineral and non-mineral waste streams
3. Implement innovative circular business models, e.g. downstream recycling solutions to support adoption across the full value chain

Of course, realizing the circular advantage is no small feat and there are challenges to be overcome

As a result, ingenuity and innovation have never been more critical to sustainably transition to circularity at scale

Anglo American is an example of a mining company embracing circularity

## **The FutureSmart Mining™ Program**

1. Uses cutting edge innovations, such as swarm robotics and analytics technologies, to accelerate the move towards new ways of sustainable and circular mining
2. Anglo American Platinum has committed to a zero-waste-to-landfill initiative by 2020, exploring innovative resource reuse opportunities for site waste streams
3. Through top-soil cultivation, waster reuse and site repurposing, Anglo American is successfully rehabilitating land and supporting communities at the end of mines' lifecycles

Mark Cutifani, Chief Executive of Anglo American

*"A shift toward a more circular economy presents a significant opportunity for mining companies that are willing to embrace it by re-imagining their business and cross-value chain collaboration"*

*THE CIRCULAR ECONOMY HANDBOOK: Realizing the Circular Advantage*

Peter Lacy • Jessica Long • Wesley Spindler

Featuring 300+ case studies across 10 industries, *The Circular Economy Handbook* is a "how to guide," supporting organizations in their transition to circularity and helping them realize \$4.5 trillion value stake by 2030

### **How can you capture your circular advantage today?**

#CircularAdvantage

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*Note: Music plays throughout video, and there is no verbal audio.*