

MINING AND INNOVATION

A FRESH APPROACH

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FutureSmartTM

A FRESH APPROACH

- Introduction
- Video clip
- What is FutureSmart™?
- Open Forums
- We've been busy...

WHERE WE ARE COMING FROM

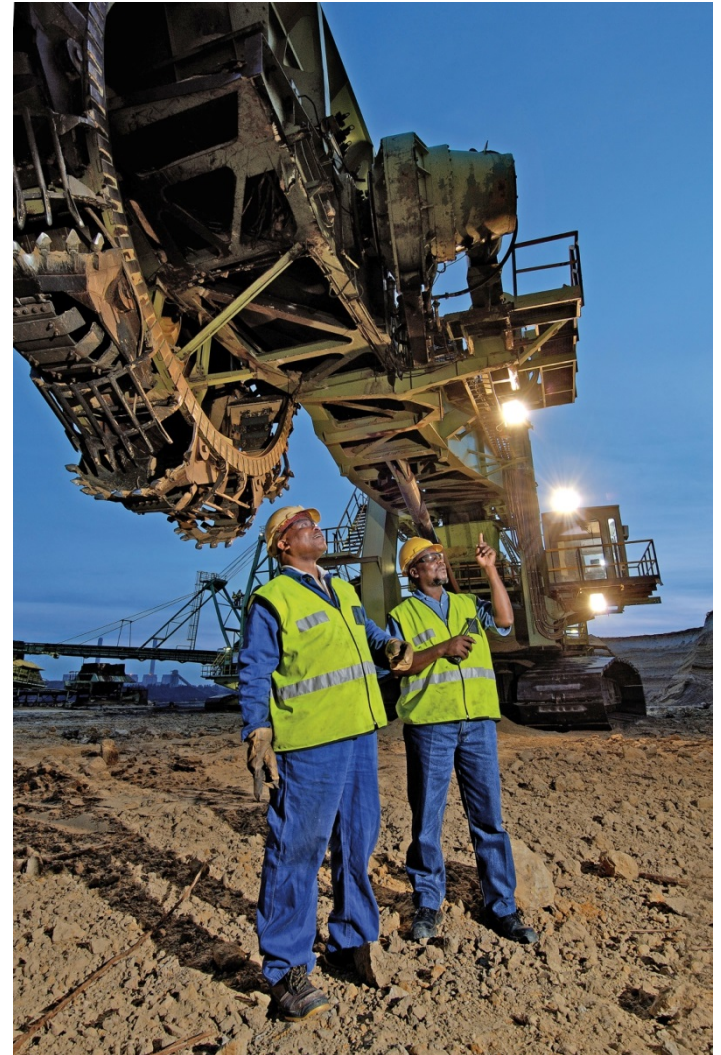


- We need to do things differently
- Require radical transformation

VIDEO

WHAT IS FUTURES^{SMART}™

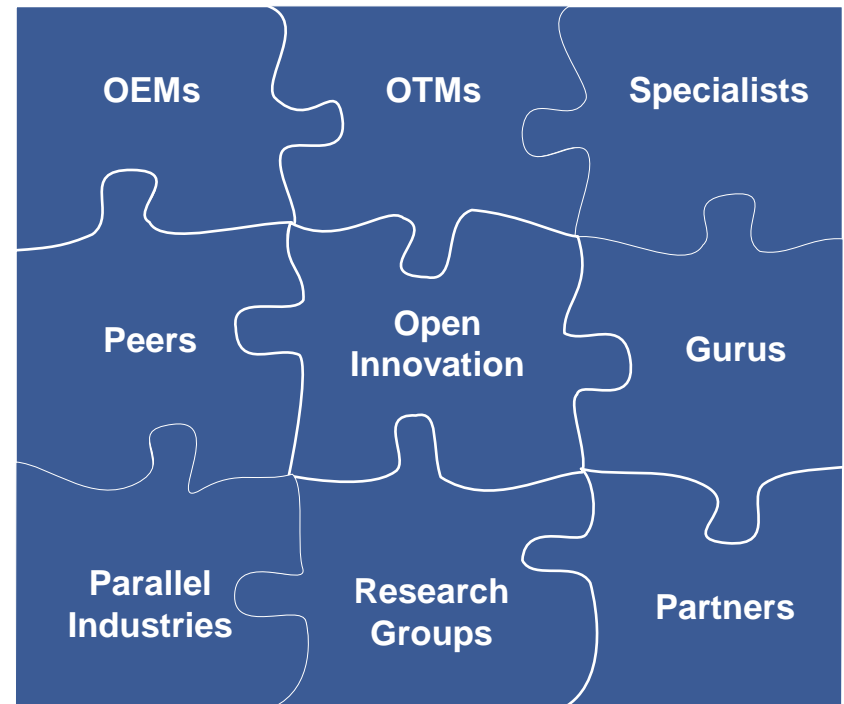
- It's a response to the **global drive for a more sustainable approach to mining** – economically, socially and environmentally
- It brings together a number of our value-creating initiatives that use **innovation and/or technology as an enabler** to deliver greater value from our broader mining activities
- It positions Anglo American at the **leading edge of technology development and innovation** in mining
- **Holistic approach:** how technology can benefit entire systems, not just parts of them
- **Open and collaborative approach** to bring benefits to the mining industry
- We are looking for **sustainable, lasting change**



OPEN FORUMS

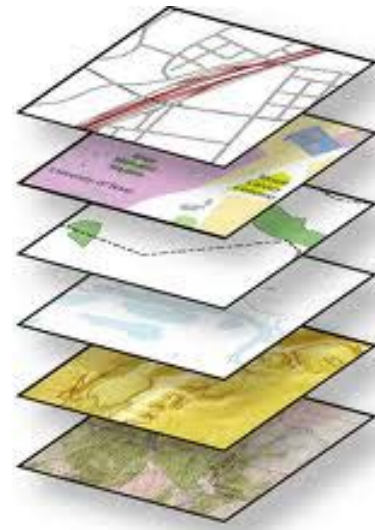
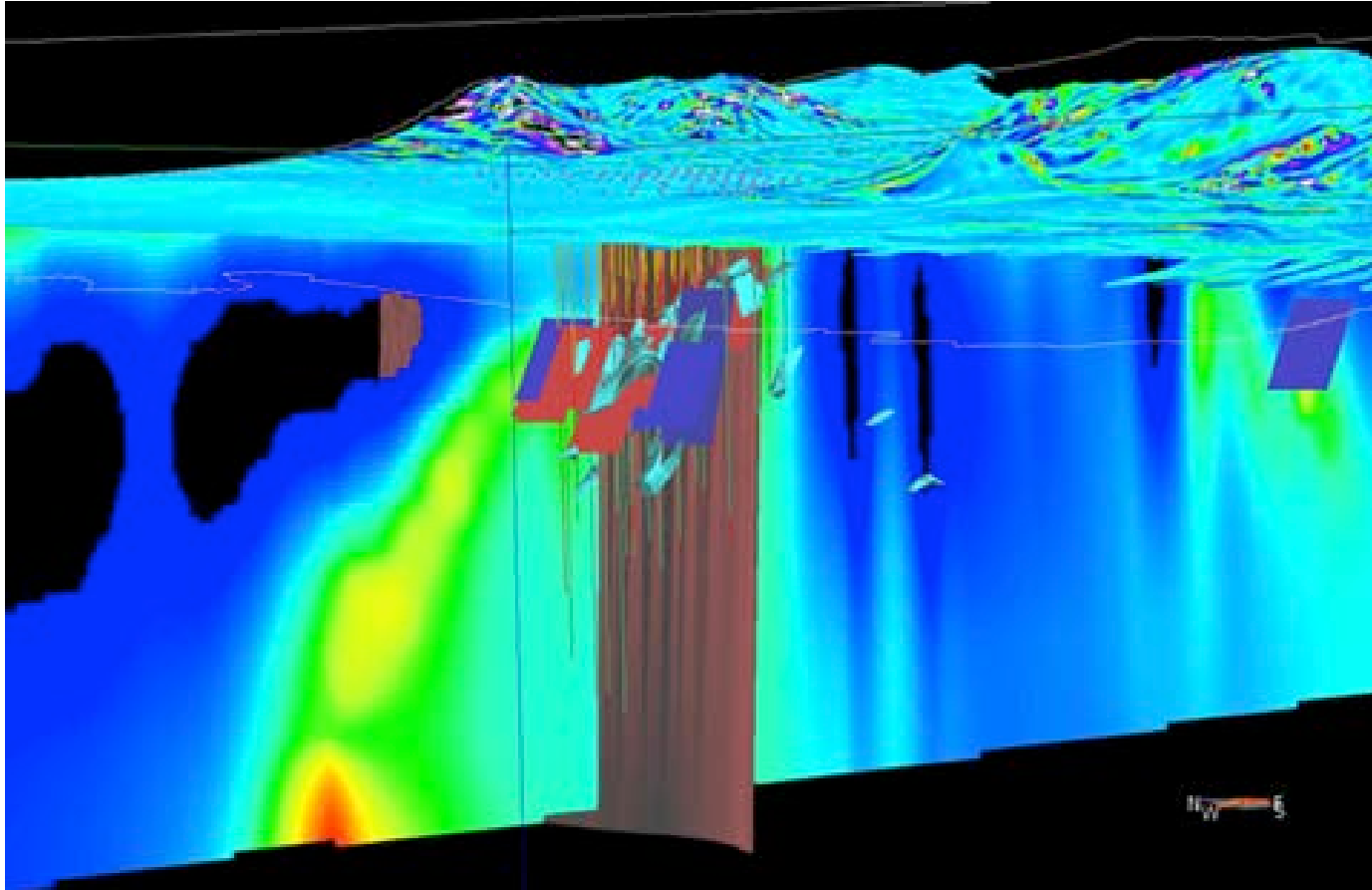
OPEN INNOVATION APPROACH TO SOLVING MINING'S GRAND CHALLENGES

- What are Open Forums?
 - Open Forums bring together stakeholders with different perspectives, to reframe grand challenges and deliver a **vision and a roadmap**
 - Create **win-win relationships**
 - The benefit to Anglo American is in **integration and know-how**
- Why Open Forums?
 - **Integrated thinking** and broad **collaborative** partnerships can drive **rapid progress** from idea to application
 - **Sharing** of costs, risk & reward
 - Novel approach to **IP management**
- Our 3 Open Forums:
 - **Mining**
 - **Processing**
 - **Sustainability**



WE'VE BEEN BUSY...

3D INFORMATION



Richer information sets make for better and faster decisions

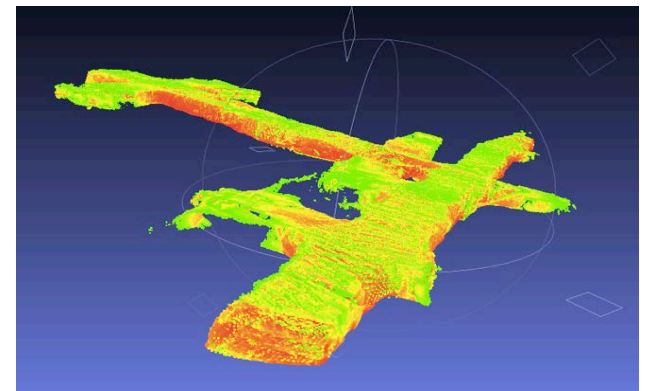
TRANSFORMING UNDERGROUND MINING



Continuous mining machines devoid of blast cycles



UNDERGROUND AUTOMATION



Removing people from hazards
Exploiting lost time
Driving process stability

A FRESH APPROACH TO FLEET AUTOMATION

- **Breaking the paradigm**

- Retrofit to existing fleets
- Multi-OEM capable
- Modular
- Robust



FutureSmartTM

... driving the game-changing innovation in mining

THANK YOU

FIND THIS PRESENTATION AND VIDEO...



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