

# Surface Mining Association for Research & Technology

# SMART

**Celebrating  
23 Years!**

## Working Collaboratively To Improve Mining Industry Effectiveness



**SMART** Surface Mining Association  
For Research & Technology



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April 2017

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# Origins...

- **Open Pit Mining Collaborative Research Group was formed in May, 1995. (OPMCRG)**
- **Initiated by Iron Ore Company of Canada.**
- **Chaired by Derek Rance who was President of I.O.C.**
- **Group Members expressed a desire to develop a coordinated effort in the Surface Mining Research Field.**
- **On behalf of the group Syncrude commissioned a preliminary review to determine the current stand of research in Surface Mining and the Future Direction.**
- **The review was completed in December 1995.**  
**(Reference “Surface Mining Collaborative Research Initiatives: A Progress Report” Ian Muirhead, CIM Technical Bulletin, July/Aug. 1996.**
- **The group met several times and laid out the mandate to initiate the collaborative research.**

**The Surface Mining Association for Research and Technology (SMART) was formed in 1996.**



**For any Organization established to handle &  
coordinate Surface Mining Research:**

**IT HAD TO BE LEAN & MEAN**

**IT WOULD HAVE THE BARE MINIMUM OF OVERHEAD &  
ADMINISTRATIVE COST**



# *The “SMART” Organization*

- The SMART organization continues to grow on the basis of Surface Mining companies wanting an informal method of meeting to discuss and work issues of common interest and collaboratively influence vendors, manufacturers, and educational institutes.
  - Gain the advantage of collaboration
  - Share in the knowledge and experience of many
  - Work together to develop innovative solutions
  - Direct research activities to meet industry needs
  - Build partnerships through powerful networking
  - Influence industry suppliers and the development of new products



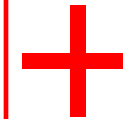
# *SMART - Who We Are*

## **The Membership:**



**AngloGold Ashanti (Colorado) Corp.  
ArcelorMittal Mines Canada  
Barrick Gold Corporation  
BHP Billiton  
BHP BMA Coal Australia  
Canadian Natural Resources Ltd.  
Contura Coal West  
De Beers Canada Inc.  
Freeport McMoRan Copper & Gold  
Gibraltar- Taseko Mines Ltd.  
Goldcorp Canada Ltd.  
Imperial Oil Ltd.  
Iron Ore Co. of Canada  
Kinross Gold Corporation  
KMC Mining Corporation**

**Ledcor CMI  
Mitsubishi Development Pty Ltd  
NAIT (Northern Alberta Institute of  
Technology)  
Newmont Mining Corporation  
North American Construction  
Peabody Energy Corporation  
Shell Canada Ltd.  
Silver Standard Resources Inc.  
Suncor Energy  
Syncrude Canada Ltd.  
Teck Resources Limited  
Thiess Pty Ltd  
TransAlta – Sunhills Mining  
Westmoreland Coal Company**



**Queens University  
University of Alberta  
University of Arizona  
University of British  
Columbia  
CIM  
GMSG  
CMIC**



# *the SMART Group ...*

The SMART Group is made up of Mining people who share a passion for making our Industry better. The SMART membership regularly contribute their personal time and effort to collaborate in Industry wide initiatives, learning forums and best practice sharing that is made possible by meeting and working as the SMART group on a continued basis.

Mining Senior Leaders from across Canada, the United States of America and internationally have come to appreciate the work of SMART on a number of fronts. When we work together, we indeed have a track record of making a positive difference for our Companies that helps our Mining Industry as a whole.

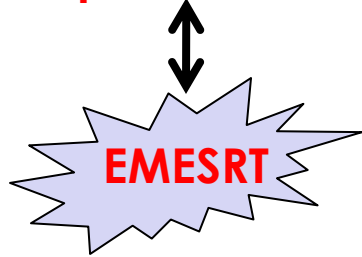
It's a Group where Operators work together and are supported by key personnel/organizations to progress key objectives.



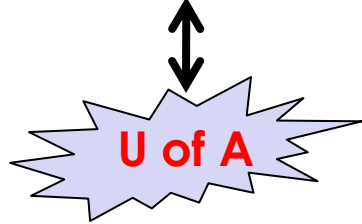
# SMART Focus Areas ...

Safety  
Information  
Sharing

Equipment  
Safety Design  
Improvements



University  
Learning  
Seminars



Mechatronics,  
APCOM Support



SMART is an association of mining companies that meet regularly to coordinate the technology development needed by the mining industry. Since 1995, the member companies and institutions have directed research and influenced the manufacturers and suppliers to improve surface mining technology and services. SMART actively supports learning seminars, collaborative research projects, and user groups.

Members of SMART include many of the surface mining companies in North America and Australia. These companies have recognized the value that collaboration can bring to the needs of individual organizations as well as the global mining industry.

- Historical - Mining GPS User Group
- Mine Haul Road Design and Construction
- Diesel Emissions Evaluation
- Haul Truck Development

Truck Shovel  
User Group

Large Tire User  
Group

CIM Global  
Mining  
Standards &  
Guidelines

Benchmarking  
Project

Targeted  
Information  
Sharing



**SMART**

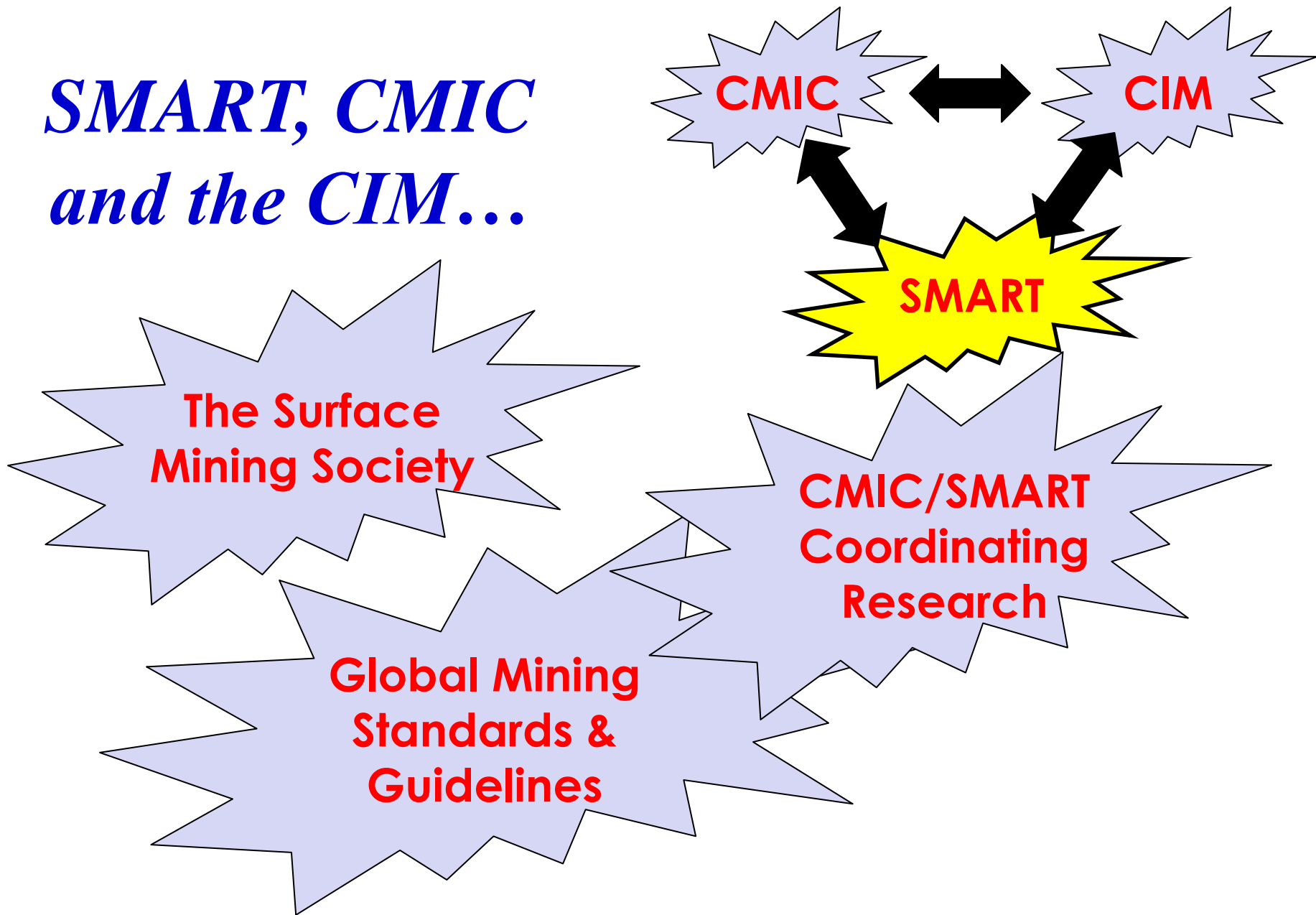
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# *SMART, CMIC and the CIM...*



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