Big Data, IoT, Digitalization & Changing DNA of Mining CIOs

5th Global Mining IT & Communication Summit
4-5 November 2015 | Toronto, Canada

EARLY CONFIRMED SPEAKERS

Lino Cafazzo, Chief Information Officer, Agnico Eagles Mines, Canada

Pedro Augusto Oliveira, Senior IT Manager, AngloGold Ashanti, Brazil

Brad Flamboli, Senior Director, Projects Information Management & Technology, Barrick Gold Corporation, Canada

Dr. Satyam Priyadarshy, Chief Data Scientist, Halliburton, USA

Ralph Loewen, President & CEO, Itergy, Canada

Evgeny Charkin, Chief Information Officer, Metalloinvest, Russia

Sanjeev Kumar, Group CIO & Group President - Business Excellence, Adhunik Group of Industries, India

Lorraine Howell (PhD), Vice President Research & Development, Illumiti, Canada

Didier Zeller, Head of Marketing & Strategy, Airbus Defence and Space, France

Franz Escalante, Information System Chief, Chinalco, Peru

Ralph Loewen, CEO, Itergy, Canada

Senior Representative from Hitachi

Senior Representative from Schneider
Evolving dynamics of business are forcing a DNA transformation of Mining CIOs and IT professionals. From Borehole to Boardroom, technology is driving rapid change towards business sustainability thereby making mining an “Information Technology” industry. The future of mining now depends on how companies can respond to change in smarter, safer and quicker way.

This edition of Global Mining IT & Communication Summit will bring together the “who is who of IT” to:

- Discuss future of IT in mining: OT, IM, Automation & Innovation
- Evaluate cost saving ways through synchronizing OT systems with cloud-based IT
- Incorporate mobility across the business value chain
- Build a roadmap for data analytics strategy for consistent data success across Enterprise
- Assess transforming role of IM from cost centre to value add function
- Showcase think tanks from outside mining to know how “others” do their business
- Engage in thought provoking on the spot “Circuit Group Presentations”

OVERVIEW

WHO MUST ATTEND?

The CIO’s, COO’s, CTO’s, Heads of IT, IT Managers, Vice President ICTA, Vice President IT, IT Directors, Business development Managers, Managers Shared Service, Heads of Shared Services, Directors Shared Service, Heads of Compliance, Heads of IT Security, IT and Network Security Managers, IT Infrastructure Specialist, Database Managers, Mine Operations Managers, Operations Managers, IT Business partners, Networking Engineers, Networking Administrators, Project Development Managers, Process Managers, Project Leaders, System Leads, Senior IT Managers, Global IT Heads, ITS Manager, Consultants, Solution Providers, System Analysts, Network Engineers, Network Managers, Software Developer, Software Engineers, Database Administrator, IS Superintendents, Mining Technology Managers, Program Managers, IST advisors, Mobile Equipment Analyst, IM Governance Managers, IM Compliance Managers, Heads of Corporate Risk, Corporate Risk Managers, Heads of IT Internal Audits, Managers IT Audits, Heads of IT Governance, Manager Governance, Big Data Analyst, IoT professionals…etc
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MINING
7:30 REGISTRATION AND NETWORKING BREAKFAST

8:50 WELCOME FROM THE CHAIRMAN

9.00 Bridging the Gap between Data, Technology and Business Strategy
- The role of CIO to bridge the gap between data, technology and strategy to execute change
- Create that common understanding for business objectives based on applied insight
- Build an enterprise wide vision to establish common goals and unity for cross business transformation

9.30 Presentation from the Senior Member of team Illumiti

10.00 BIG DATA in Mining – Big Data, Sensors, Cloud & Information Security
- Big Data to enhance operational efficiency & service delivery
- Sensors for better monitoring, real time access & predictions
- Cultivating a culture of experimentation – the essence of big data

10.30 SPEED NETWORKING OVER A COFFEE & TEA BREAK

11.00 Cost Saving through Synchronizing OT systems with Cloud-Based IT
- Reduce in house and energy efficiency cost
- Better performance & decision making through real time, on demand reporting
- Improve alignment between operations and business goals

11.30 Presentation from Senior Member of team Itergy

12.00 CIO’S VISIONARY PANEL The “New Age” CIO’s vision towards Game Changing Innovations and Transforming Rock Factory to Smart Mine
- Is “digital mine of the future” closer than you think?
- Why connectivity is key enabler to ensure safe and efficient operations, and informing better commercial decisions?
- Combining IoT with “Internet of people” to deliver new possibilities and greater efficiencies
- How Chief Information Officer are now transforming to Chief Innovation Officer – Innovation being the new mantra

12.50 Panel wrap up and Q&A

13.00 LUNCH AND NETWORK

14.00 The Role of ICT as an Enabler in a Low Cost Oil World
- IT as an enabler of savings, efficiency and change
- The role of ICT leaders
- Maximising the value of IT assets

14.30 Process Improvement in Technology Operations
- How do you enhance transactional efficiency?
- Methodologies to implement Bank-Wide process automation
- Case Studies and successes

15.00 Cyber Attacks have evolved in Energy Sector: Preparing your Security Defence
- Learn how to prepare for an advanced attack or breach WHEN it happens
- Define what ‘normal’ behaviour is across users, networks, systems and applications
- Improve security intelligence using existing technologies and enhance current security investments

15.30 AFTERNOON BREAK & NETWORKING

16.00 Presentation from Senior Member of team Airbus

16.30 Achieving Internal Transparency through Your Data Management Platform
- Identify the core data management troubles to tackle first – how did you implement a priority scale
- Overcoming challenges in data ownership culture
- Key steps in transforming silo’d data management into a more collaborative environment

17.00 OPEN PANEL DISCUSSION
Is there a place for Wearable Technology in the Mining Industry?
- With the metal price at a low and production costs increasing, can wearable technologies improve efficiencies across the sector?
- What are the Technology developments that are changing the way the sector is operating and will operate into the future
- What key wearable technology devices that can enhance ways of working

17.50 INTERACTIVE WRAP-UP SESSION AND CHAIRMAN’S REMARK

18.00 COCKTAIL NETWORKING RECEPTION – WINE, BEER AND CANOPY
7:30  REGISTRATION AND NETWORKING BREAKFAST

8:50  WELCOME FROM THE CHAIRMAN

9.00  Building a Roadmap for Data Analytics Strategy for Consistent Data Success across Enterprise
  • Bring data to the boardroom to engage the senior management
  • Successfully driving data calls for top down initiatives; consistent support and clearly defined goals
  • Establishing your own path for data transformation: set clear indicators for every stage of your data journey

9.30  Transforming Role of IM from Cost Centre to Value add Function
  • Ensure alignment of infrastructure standards, service delivery, projects, contracts and integration
  • Develop IM shared service programme to support global initiatives
  • Grow shared services expertise to support Finance, Data Services, Sourcing, and Global Supply Chain

10.00 Presentation from Senior Member of team Hitachi

10.30  SPEED NETWORKING OVER A COFFEE & TEA BREAK

11.00  Relationship Building between Automation and IT for Greater Efficiency and Cost Savings Initiative
  • Don’t automate for sake of automation, evaluate when, what and how
  • Get most out of automation efforts and effectively integrate business processes from across multiple applications and areas of the organization
  • Launch your enterprise automation strategy or take it to the next level

11.30 Presentation from Senior Member of team Illumiti

12.00  The Impact of the Internet of Things on your Business and Infrastructure
  • Know how IoT can improve profitability, productivity and increase efficiency
  • Understand how IoT can become major source of data that can provide predictive and actionable insight
  • Security risk that comes with IoT and way out

12.30  PANEL DISCUSSION: WOMEN IN I.T  Empowering Women in Mining IT & Technology
  • What are the emerging opportunities for Women in IT?
  • How creating a diverse workforce can deliver tangible value to enterprise?
  • Corporate efforts towards attracting more women force and retaining their technical skills

13.00 LUNCH AND NETWORK

14.00  Presentation from Senior Member of team Schneider

14:30  Going Mobile & Adapting to new Business Reality
  • Benefits of mobility across the business value chain
  • Picking right solution to ensure effective planning, supply chain synchronization and expense management
  • Examining key business processes and logically incorporating mobile technology

15.00  Next Generation Security in Mobile Era
  • Rethinking your security in a mobile culture
  • How organizations should reformulate their mobile security strategies
  • Understand how mobile drives CIOs to vet next-gen security tactic

15.30  AFTERNOON BREAK & NETWORKING

16.00  Growing Importance of Communication Technology
  • Have hybrid networking capability to provide cost effective access to the cloud
  • Support advanced collaboration services such as video conferencing, unified communications and remote monitoring
  • Deploy M2M communications for devices within mines to communicate

16:30 Improving collaboration and performance with Unified Communications
  • Merging complex telephony
  • Using UC to improve working practices
  • Delivering measurable ROI

17:00 Circuit Group Discussion & Presentation
  • This break out session will be divided into 3 groups
  • The group will have 20 minutes to discuss, prepare & deliver a presentation
  • Presentation allocated time will be 10 minutes

18:00 RAFFLE DRAW AND WRAP UP REMARKS FROM THE CHAIR

18:15 GOODBYE BEER WITH PEERS