GMSG Santiago Forum 2017

>> COLLABORATION TOWARDS FUTURE MINING

>> September 12–13, 2017

>> Enrique d’Etigny Lyon Auditorium. Advanced Mining Technology Centre Universidad de Chile Beauchef 851 Santiago, Chile
Join GMSG for a two-day collaborative event where participants can learn about and discuss GMSG’s ongoing projects, and provide feedback on how we can better support South American mining priorities. Day one of the forum is centred on the topic of Interoperability, with presentations covering global industry collaboration, current use cases, and software. The first half of day two will address the concept of the connected mine, which will introduce our new projects on integrated operations, short interval and real-time control, and cyber security. We will wrap things up with an update on our Battery Electric Vehicles guideline, and a session dedicated to future mining.

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<th>Time</th>
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<tr>
<td>08:30</td>
<td>Registration</td>
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| 09:00 | Opening Remarks: Welcome and Objectives of the Forum  
Heather Ednie, GMSG Managing Director |
| 09:40 | Interoperability Use Cases  
Norma Vargas, Senior Engineer Specialist, Networks and Automation Projects, CODELCO  
Gustavo Muñoz, Technical Manager, Bailac San Ltda.  
TBD- AMTC |
| 10:30 | Coffee Break |
| 11:00 | Interoperability Use Cases (Continued)  
TBD, Fundación Chile  
TBD, CODELCO |
| 11:30 | GMSG Interoperability Working Group: Driving Collaboration  
Sergio Burdiles, CORFO and David Sanguinetti, SEL |
| 12:00 | Lunch |
| 13:00 | Interoperability Break Out Session |
| 14:30 | Break |
| 15:00 | Mining Interoperability Maturity Model Capabilities and Self-Assessment System  
Sergio Burdiles, Digital Transformation Committe, CORFO |
| 15:30 | GMSG Open Mining Format project  
Ignacio Torresi, Regional Director, ARANZ Geo |
| 16:00 | Interoperability Landscape: Global Activity  
Heather Ednie, Managing Director, GMSG |
| 16:30 | Day One Wrap-up  
Laura Mottola, President, Flow Partners |
| 17:00 | Day One Ends |
**Day Two**

**September 13, 2017**

**THE CONNECTED MINE: DATA, INFORMATION, INTEGRATION**

- **08:30**
  Arrival/Registration

- **09:20**
  *Case Study: Barrick Gold’s Velardero iROC*
  David Palomino, Senior Consultant, Global IO

- **09:50**
  GMSG Integrated Operations Working Group: Project Progress
  Laura Mottola, President, Flow Partners and GMSG IO Working Group Leader

**COFFEE BREAK | 10:30**

- **11:00**
  *Short Interval and Real Time Control*
  David Sanguinetti, Program Manager, CMIC/GMSG

- **11:30**
  *Chain of Custody: Towards Use of Block Chain to Revolutionize the Mining Industry*
  Andrew Scott, Senior Director, Innovation, Barrick Gold and GMSG Outgoing Chair

**LUNCH | 12:00**

- **13:00**
  *Introducing MM-ISAC, Collaboration to Improve Security in Mining and Metals*
  Rob Labbé, Teck, and co-founder, MM-ISAC

**ENERGY CONSUMPTION**

- **13:30**
  *The Electric Mine: Battery Electric Vehicles Underground*
  David Sanguinetti, Program Manager, CMIC/GMSG

- **14:00**
  *Use of Hydrogen Mixed with Fossil Fuels: Research Update*
  Fernando Hentzschel, Technological Development Director, CORFO

**BREAK | 14:30**

**FUTURE MINING**

- **15:00**
  *Autonomous Mining: Collaborative Roadmap to Drive Value Across Industry*
  Andrew Scott, Senior Director, Innovation, Barrick Gold and GMSG Outgoing Chair

- **15:30**
  Break Out Session on Future Mining

- **16:30**
  *Forum Wrap-Up and Next Steps*

- **17:00**
  End of Day Two