

Inaugural

Battery Metals Conference

October 16-17, 2018 | New York Marriott at the Brooklyn Bridge | New York, New York



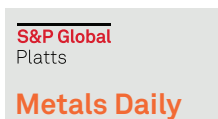
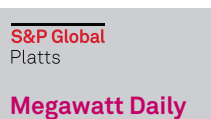
Managing Disruptive Technologies for EVs, Energy Storage, and Battery Supply Chain

This new conference from S&P Global Platts helps you understand the current demand trends, projections of future demand, and key issues for the growth of energy storage and energy metals. Whether you are a buyer, seller, trader, or investor, this event will give you critical information and insights on the state of the market now, and informed projections for the future.

What will you learn about?

- Demand outlook and growth scenarios for EVs
- Investment in EVs worldwide focusing on development in China
- Changes in the supply chain in the transition to EVs
- Battery recycling and new initiatives
- Lithium supply and market changes
- Impact of bottlenecks in supply
- Cobalt, nickel, and battery metals
- Alternative views of future demand trends
- Investment outlook in mining and metals
- Demand for high-purity materials
- Managing opportunities and risks

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An Outstanding Opportunity for Networking and Information

Learn about the leading trends and opportunities in energy storage, electric vehicles, battery supply chain, finance, and risk.

Hear keynote presentations on the growing demand and challenges for EVs worldwide:

- **Mark Schwartz and Roman Kramarchuk**, Energy Analytics, **S&P Global Platts**
- **Patrick Schaufuss**, Associate Partner, **McKinsey & Company**

Expert speakers also include:

Argosy Minerals
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Cobalt27 Capital Corp.
Deutsche Bank Securities
Ducker Worldwide Automotive
Hallgarten & Co.
INTLFCStone
Lithium Americas Corp.
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**Register
Now**

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800-752-8878 (toll free)
+1-212-904-3070 (outside USA & Canada)



Day 1: Tuesday, October 16, 2018

7:45 Conference Registration and Networking Breakfast

8:45 Chair's Welcome and Opening Remarks
Marcel Goldenberg,
Markets and Methodology Development,
S&P Global Platts

**THE TRANSITION TO ELECTRIC VEHICLES
AND ENERGY STORAGE**

**9:00 Market Outlook for Battery Metals:
Focus on the Demand Side**

- General demand overview and rationale for the conference
- Projecting future demand for EVs
- Projecting future demand for energy storage
- Base case EV growth scenarios and alternatives
- Implications for energy and transportation

Mark Schwartz, Managing Director,
Scenario Planning, **S&P Global Platts**
Roman Kramarchuk,
Head of Technology Policy and Energy Analytics,
S&P Global Platts

**9:45 Automotive Perspectives and the Outlook
for Growth in Electric Vehicles**

- Current state of the EV industry
- New investment in EVs by automotive companies
- Centers of innovation and design
- New directions for EV demand and planning in China
- Understanding cost, components, and supply chain requirements
- Current and future material requirements for vehicles
- Changes in the supply chain in the transition to EVs

Patrick Schaufuss, Associate Partner,
McKinsey & Company

10:30 Networking & Refreshment Break

**11:00 Quantifying the Growth of EVs and Impact
on Materials**

- Projecting the level of vehicle electrification in North America, Europe, and China
- Regulations and market forces driving adoption of EVs
- Impact of lightweighting for EVs

- Impact of EV penetration toward materials including battery metals
- Component shifts including material additions and losses

Scott Ulnick, Managing Principal and Chairman,
Ducker Worldwide Automotive

11:30 Supply Chain and Pricing for Battery Metals

- The main battery metals including lithium, cobalt, and nickel
- How the markets are evolving
- Understanding price moves
- Understanding the supply chain and bottlenecks
- Evaluating metal quality as well as quantity
- Future market directions of battery-quality metals

Marcel Goldenberg,
Markets and Methodology Development,
S&P Global Platts

12:00 Networking Luncheon

**SUPPLY SITUATION AND BOTTLENECKS
FOR BATTERY METALS**

**1:30 PANEL DISCUSSION Lithium Mining, Supply,
and Market Transformation**

- Lithium supply and market changes
- Hydroxide versus spodumene
- Advantages of brine deposits in lithium mining
- The state of supply from the Lithium Triangle and other regions
- Diverging markets such as the difference between Chinese domestic and international lithium markets

Moderator: Henrique Ribeiro, Metals Editor,
S&P Global Platts
David Deak, Chief Technology Officer,
Lithium Americas Corp.
Jerko Zuvela, Managing Director,
Argosy Minerals
Mustafa Hafeez, Director,
Deutsche Bank Securities

3:00 Networking & Refreshment Break

3:30 Cobalt, Nickel, and Battery Metals

- Perspectives on the state of battery technology
- Emerging and alternative technologies for batteries

- Demand for nickel and cobalt
- Supply chain questions now and in the future

Anthony Milewski,
Chairman and Chief Executive Officer,
Cobalt27 Capital Corporation
Paul Casbar, Regional Sales Manager,
Vale Americas Inc.

4:30 Critical Perspectives on Battery Metals

- Evaluating the supply of cobalt and other critical materials
- An alternative view about the current and future demand and supply for battery metals

Christopher Ecclestone, Mining Strategist,
Hallgarten & Co.

5:00 Networking Wine & Cheese Reception

6:00 Close of Day One

Day 2: Wednesday, October 17, 2018

7:45 Registration and Networking Breakfast

8:45 Chair's Review of Day One

Marcel Goldenberg,
Markets and Methodology Development,
S&P Global Platts

BATTERY METALS, MINING, AND INVESTMENT

9:00 PANEL DISCUSSION Investment Opportunities in Mining and the Supply Chain for Battery Metals

- Role of the European Union and China in investment
- Role of government investment versus private investment
- International cooperation on investment and standards
- Projections for demand for metals including high-purity battery metals
- Evaluating future opportunities

Colin Hamilton, Head of Commodities Research,
BMO Capital Markets
Lachlan Broadfoot, Chief Executive Officer,
Behre Dolbear
Donald Marleau, Sector Lead, Natural Resources,
S&P Global Ratings
Mustafa Hafeez, Director,
Deutsche Bank Securities

10:30 Networking & Refreshment Break

11:00 PANEL DISCUSSION Managing Hedging and Risk in Metals: New Perspectives on Changing Markets

- Hedging and risk in the markets for key metals
- How serious are the bottlenecks?
- Evaluating future opportunities for mineral producers
- Role of the exchanges
- Managing risk in commodity investment

Spencer Johnson, Risk Management Consultant,
INTLFCStone
Fred Penha, Account Executive,
Triland Metals Americas
Christopher Ecclestone, Mining Strategist,
Hallgarten & Co.

12:30 Close of Conference

Agenda subject to change.

Please visit www.platts.com/batterymetals for updates.

Maximize Your Networking Opportunities

Showcase your products and services to senior-level decision makers. **S&P Global Platts Battery Metals Conference** offers you an excellent opportunity to maximize your 2018 marketing dollars through these sponsorship opportunities:

- ✓ Cocktail Reception Host
- ✓ Breakfast Host
- ✓ Luncheon Host
- ✓ Branded Product Giveaways
- ✓ Exhibitor

To learn more about sponsorship and exhibit opportunities, please contact **Martin Falkenberg**, Business Development Manager, at **857-383-5630** or email him at martin.falkenberg@spglobal.com.

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Understanding the Battery Supply
Chain for Energy Storage and EVs

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| Registration Fee* Conference | Early Bird Discount Rate \$1,195 | Standard Commercial Rate \$1,495 | Government Discount Rate \$995 |
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*The conference registration fee includes breakfasts, luncheon, reception, refreshments, and post-conference documentation. Payment in full is required for attendance. If payment or proof of payment is not received before the start of the event, our staff will require a credit card guarantee to allow entry. **All onsite registrations will be charged an additional \$100.** All prices are stated in USD.

Discounts*

Early Bird Discount—Register by September 14, 2018 to save \$300 off your registration fee.

Team Discount—Your organization may send 1 executive FREE for every 3 delegates registered at the Standard Commercial Rate for the Conference. All registrations must be made at the same time to qualify. This discount cannot be used retroactively on existing registrations. Team discount rate only available by phone or email.

Government Discount—Verification may be required. Government discount only available by phone or email.

*Discount or promotional offers cannot be combined and must be applied at the time of original registration.

Substitution & Cancellation

Your registration may be **transferred** to a member of your organization up to 24 hours in advance of the conference. Cancellations must be received in writing on or before **Tuesday, October 9, 2018** in order to be refunded, less a \$195 administrative charge. No refunds will be made after this date. In the event of non-attendance, the full invoice fee will be payable. In case of conference cancellation, **S&P Global Platts liability is limited to refund of the conference registration fee only.** S&P Global Platts reserves the right to alter this program without prior notice.

Attire: Business

Venue

New York Marriott at the Brooklyn Bridge
333 Adams Street
Brooklyn, NY 11201
Main Hotel Phone: (718) 246-7000

**Register Now or Request
an Email Registration Form**

www.platts.com/batterymetals
registration@platts.com
800-752-8878 (toll free)
+1 212-904-3070 (outside USA & Canada)



Discount Accommodations

A limited number of rooms have been reserved for S&P Global Platts Battery Metals Conference participants at the New York Marriott at the Brooklyn Bridge at a rate of **\$299/night + tax** for a standard room, single or double occupancy. The discounted rate will be available until **Monday, September 24, 2018**—or until the group block is sold-out, whichever comes first. Reserve by calling (718) 246-7000 (direct). **Be sure to mention that you are attending S&P Global Platts Battery Metals Conference in order to receive the discounted rate.**

† Contact S&P Global Platts Conferences if you have any physical access or dietary restrictions.

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