Responsible copper production

Michele Brulhart
Executive Director, The Copper Mark
Opportunities …

<table>
<thead>
<tr>
<th>Vehicle Type</th>
<th>KG of Copper</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel based</td>
<td>23</td>
</tr>
<tr>
<td>Hybrid EV</td>
<td>39</td>
</tr>
<tr>
<td>Plug-in hybrid EV</td>
<td>60</td>
</tr>
<tr>
<td>Battery EV</td>
<td>83</td>
</tr>
</tbody>
</table>

Source: IDTechEx
... and challenges

**Financial Times**

**Electric car growth sparks environmental concerns**

Mining of raw materials and recycling of lithium-ion batteries in spotlight

**The Copper Mark**

Supply chain scrutiny intensifies for battery materials

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**Amnesty International**

"Electric cars may not be as ‘clean’ as you would think. Customers need to be aware that their green cars could be linked to the misery of child labourers in the Democratic Republic of Congo."

Sources: Financial Times, Amnesty International
Action in the supply chain

**HUawei**

**Prohibiting the Use of Conflict Minerals**

Huawei takes the problem of conflict minerals very seriously, and has released an open statement announcing that we will not procure or support the use of conflict minerals.

**Managing Conflict Minerals**

BYD checks the source of metals of its suppliers annually for their compliance with the OECD Due Diligence Guidelines for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas.

**LME RESPONSIBLE SOURCING**

The LME is introducing responsible sourcing requirements for all brands listed for good delivery on the LME. The rules being implemented are underpinned by the OECD Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas, using the following framework:
Drivers for responsible production

- Metals exchanges
- International agencies
- Investors and banks
- End users and consumer-facing brands
- Non-governmental organizations

Copper Mark

THE COPPER MARK

The Copper Mark participants are committed to internationally recognized responsible operating practices.
Advice from…

CONSERVATION INTERNATIONAL

drive sustainability

RESOLVE

UN environment

HSBC

ICMM
International Council on Mining & Metals

INTERNATIONAL WROUGHT COPPER COUNCIL

THE WORLD BANK

VOLVO

DEVELOPMENT PARTNER INSTITUTE

ALLIANCE TO SAVE ENERGY

Natural Resource Governance Institute

WWF

action:aid
TRANSPORT & ENVIRONMENT

OLME
An HKEX Company

IUCN

17 GOALS TO TRANSFORM OUR WORLD

The Copper Mark
Copper Mark criteria

Derived from the Risk Readiness Assessment by the Responsible Minerals Initiative

5 CATEGORIES

32 CRITERIA

- Business and Human Rights
- Community
- Labor and Working Conditions
- Environment
- Governance
Steps to obtaining the Copper Mark

- Letter of commitment
- Self-assessment
- Independent verification
- Address gaps and monitor improvements
- Re-assessment
Participant scope

2020:
- Mine
- Smelter/Refinery
- Semi-fabricator
- Fabricator
- Manufacturer
- End user

Future:
- Mine
- Smelter/Refinery
- Semi-fabricator
- Fabricator
- Manufacturer
- End user

Conclusions

• Responsible sourcing has many drivers

• Industry is responding individually and collectively

• The Copper Mark:
  • Helps the industry proactively meet market and customer demands to demonstrate responsible practices and progress on SDG 12
  • Builds on existing frameworks and focusses on continuous improvement
  • Addresses the needs of multiple stakeholders (e.g. LME, OEMs, etc.)

• The organization and program will launch in 2020
Thank you

For more information, contact:
Michèle Brulhart
Executive Director, Copper Mark
michele.brulhart@coppermark.org