

Responsible sourcing of minerals and metals

Report 2024



Summary

This report describes Sandvik's due diligence process for the responsible sourcing of minerals and metals contained in the products on the market. Specifically, it outlines the various policies, procedures and tools that support Sandvik's work with responsible sourcing for conflict minerals (Tin, Tungsten, Tantalum and Gold, commonly referred to as 3TG) and cobalt. It also provides information on our 3TG and cobalt supply chain risk assessment and mitigation. Furthermore, the report gives an update on ongoing actions for battery due diligence in line with European legislation.

Since initiating Sandvik due diligence efforts in 2013, Sandvik has based its commitment to responsible sourcing of raw materials on the internationally recognized OECD Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and

High-Risk Areas. The commitment to implement the OECD Due Diligence Guidance is enshrined in Sandvik's Statement on the Responsible Sourcing of Minerals and Metals and Supplier Code of Conduct. Annually, suppliers are required to populate the Conflict Minerals Reporting Template (CMRT) and Extended Minerals Reporting Template (EMRT), followed by a process in which their responses are analyzed, validated and supplier risks identified.

This report covers the reporting period from January to December 2024. The report highlights Sandvik's activities and due diligence process. During this period Sandvik identified 148 suppliers as being in-scope for 3TG and 138 suppliers in-scope for cobalt across its three business areas. Sandvik received a response rate of 77 % on the CMRTs and 74 % on the EMRT during the reporting period.

As part of the ongoing efforts regarding responsible sourcing of minerals and metals, Sandvik is constantly working on improving coverage of the Responsible Sourcing of Minerals and Metals program. Workshops with R&D and Sourcing representatives as well as trainings have been performed. A tool supporting supplier risk analysis has been introduced. The overall result is reflected in this report. Further capacity building around the OECD due diligence framework and Sandvik governance will continue, together with expansion of scope of the supply chain aiming at strengthening performance.

Starting in 2024, Sandvik expanded its scope beyond 3TG and cobalt to also include lithium, natural graphite, and nickel, as well as their relevant compounds when used in Sandvik branded products.

Table of content

1. Introduction	5
Introduction to Sandvik	5
3TG and cobalt	5
Battery Raw Materials: Lithium, Nickel, and Graphite	5
2. Sandvik's due diligence on 3TG and cobalt suppliers	6
2.1 Due diligence in five steps	6
Step 1: establish strong company management systems	6
Step 2: identify and assess risk in the supply chain	7
Step 3: Manage risks	7
Step 4: Third party assurance at identified points in the supply chain	7
Step 5: publicly report on due diligence	7
3. Sandvik's battery due diligences	8
4. Results of 2024 supply chain risk assessment	9
4.1 Assessment of smelters and refiners	9
3TG supply chain	10
Risk management and mitigation	10
Year-on-year comparison	11
5. Recycled material	12
6. Achievements and challenges	11
7. Looking forward/ next steps	14
Annex: Smelter and refiner list 2024	15

1. Introduction

Introduction to Sandvik

Sandvik is a global high-tech engineering group offering products and services that enhance customer productivity, profitability and sustainability through unique expertise and solutions for the manufacturing, mining, and infrastructure industries.

Sandvik conducts operations in three business areas – Machining and Intelligent Manufacturing, Mining, Rock Processing, with responsibility for research and development (R&D), production and sales of their respective products and services. The business area Sandvik Manufacturing and Machining Solutions consists of two business area segments: Sandvik Manufacturing Solutions and Sandvik Machining Solutions, Sandvik Manufacturing Solutions is out of scope for this report.

Wolfram Bergbau & Hütten AG (WBH), located in Austria, is part of Sandvik Machining Solutions. Besides other operations, WBH operates one of the world's largest tungsten refineries and is listed as a Responsible Mineral Initiative (RMI) Responsible Minerals Assurance Process compliant tungsten facility ([RMAP Conformant Tungsten Smelters](#)).

As a “smelter-level” facility, WBH's refinery is considered a supply chain choke point between upstream mines and downstream producers. The material received therefore needs to be traced to the source. The company has its own [Responsible sourcing statement](#), reports annually according to the OECD Step 5 guideline [Wolfram Due Diligence Report for Mineral Supplies 2024](#), and undergoes annual third-party assurance assessments. As such the due diligence practices of WBH are fully aligned with Sandvik expectations, but in detail beyond the scope of this report.

3TG and cobalt

A large part of the world's natural mineral resources is found in conflict-affected and high-risk areas (CAHRAs), which are marked by institutional weakness, political instability, and human rights abuses. Thus, mineral supply chains from CAHRAs compose a risk to either directly or indirectly contribute to human rights violations, including forced labor and child labor, conflict, and financial crime. The OECD Due Diligence Guidance provides a five-step, good-practice framework that is aligned with the United Nations Guiding principles on business and human rights (UNGP), for risk-based due diligence. The framework concerns minerals sourced from conflict-affected and high-risk areas (CAHRAs) and has been integrated into various standards and regulations that promote responsible practices, such as the US Dodd-Frank Act and the EU Conflict Mineral Regulation.

The term conflict minerals refer to the metals tantalum, tin, tungsten, and gold (3TG), as defined by the US Dodd Frank Act, which came into force in 2010. Section 1502 of the Act requires publicly traded companies using conflict minerals in their products to disclose the source of the conflict minerals. The law is intended to prevent the Democratic Republic of Congo (DRC) national army and rebel groups from funding conflict with earnings from the minerals trade.

The EU Regulation 2017/821, which entered into force on 1 January 2021, requires EU importers of these minerals and metals to ensure responsible sourcing and to conduct supply chain due diligence based on the OECD five-step framework.

Even though cobalt is not identified as a conflict mineral, over 50 percent of

the world's cobalt is produced in DRC, which is a CAHRA ([Responsible Minerals Initiative](#)). Numerous human rights reports have raised concerns about the adverse social impacts of cobalt mining, including the risk of child labour and hazardous working conditions commonly found in informal artisanal cobalt mining. Sandvik has decided to apply its due diligence management system to both, 3TG and cobalt.

Sandvik is committed to contributing to sustainable development for present and future generations, which includes the ethical sourcing of minerals. Sandvik condemns all activities in the raw material sector that are connected to illegal or unlawful exploitation of ores, that directly or indirectly finance, or benefit armed groups in conflict areas, or that contribute to serious human rights violations, including child labor. The Sandvik Supplier Code of Conduct and Sandvik Statement on Responsible sourcing of minerals and metals reflect the company's commitment to responsible sourcing of minerals and metals in accordance with the OECD Due Diligence Guidance. These documents establish the principles for ethical sourcing and outline supplier expectations regarding 3TG and cobalt.

Battery Raw Materials: Lithium, Nickel, and Graphite

The due diligence requirements for battery raw materials are outlined in the Battery regulation (EU) 2023/1542 (EUBR). For those batteries, which Sandvik places on the European Economic Area (EEA) market, Sandvik implements a similar process as for the 3TG and cobalt minerals. This process is in line with the OECD guidelines for responsible sourcing of minerals.

2. Sandvik's due diligence on 3TG and cobalt suppliers

2.1 Due diligence in five steps

This section presents Sandvik's commitment to the OECD Five-Step Framework for Risk-Based Due Diligence for 3TG and cobalt.

Step 1: establish strong company management systems

The [Sandvik Statement on Responsible sourcing of minerals](#) and [Sandvik Supplier Code of Conduct](#) express Sandvik's commitment to responsible sourcing of minerals and metals in accordance with the OECD Due Diligence Guidance. These documents lay the foundation for Sandvik's work with responsible sourcing and supplier requirements for 3TG and cobalt.

According to the Statement on Responsible sourcing of minerals and metals, Sandvik suppliers are obligated to report information on their supply chain and due diligence practices through common industry tools like the Responsible Minerals Initiatives CMRT and EMRT. Third-party assurance or certification, such as the Responsible Minerals Initiative (RMI) Responsible Mineral Assurance Process (RMAP), is required for all 3TG and cobalt smelters and refiners (SOR) in the supply chain. By implementing these requirements, Sandvik gains better control over its supply chain and strengthens its overall due diligence efforts.

The Sandvik Supplier Code of Conduct is a central document that outlines the sustainability requirements that suppliers must comply with in order to do business with Sandvik, including those related to the responsible sourcing of minerals and

metals. The Supplier Code of Conduct is incorporated into supplier agreements. The expectation is that Sandvik's direct suppliers will cascade the requirements to their own supply chain. Suppliers of raw materials and components containing 3TG and/or cobalt that are part of the direct supply chain of Sandvik's products must comply with all applicable laws concerning responsible sourcing and conflict minerals. They must also follow the OECD Due Diligence Guidance and upon request provide required information on their supply chain and due diligence practices and ensure that all suppliers in their 3TG and cobalt supply chain are traceable to smelter or refiner level. Sandvik has a whistleblowing system called "Speak Up" where all internal and external stakeholders can anonymously report suspected breaches of Sandvik's Supplier Code of Conduct and policies. The opportunity to speak up is an important part of the Sandvik culture, helping to build trust, improve the work environment and to reduce risks for the company.

Sandvik's supply chain due diligence process is formalized in the Responsible Sourcing of Minerals and Metals Procedure. The procedure covers the responsible sourcing of 3TG and cobalt and applies to all entities within Sandvik that are considered downstream on the smelter level. The procedure outlines a step-by-step process for conducting supply chain due diligence on 3TG and cobalt suppliers.

As part of implementing a strong due diligence management system, Sandvik

allocates adequate financial and human resources, ensures public communication of its Statement on Responsible Sourcing and Supplier Code of Conduct, develops and distributes relevant tools and templates, maintains a checklist for documentation, conducts targeted training for staff, and performs annual management reviews to continuously improve its policies and procedures. To support the implementation of its responsible sourcing program for 3TG and cobalt, Sandvik has established an internal governance structure that allocates clear roles and responsibilities across organizational levels. Oversight is provided by a Group Executive Management and the Procurement Council. The Responsible Minerals Working Group, composed of business area coordinators and division leads, drives operational execution. Procurement teams within each division are responsible for implementing due diligence activities.

Step 2: identify and assess risk in the supply chain

Suppliers of 3TG and cobalt are required to populate the RMI CMRT and/or EMRT templates on an annual basis with information related to their sourcing and due diligence practices. The responses from the CMRT and EMRT are analyzed, validated and risks identified by the personnel responsible within each division. Risks relate to incomplete or unreasonable responses as well as the presence of non-conformant smelters and refiners in the supply chain.

As a supporting tool to assess whether the smelters and refiners in the supply chain are conformant with OECD and RMI RMAP standards, Sandvik refers to the Smelter or Refiner Master Tool, regularly updated by the RMI. For the reporting period presented in this report, Sandvik has been using an updated risk identification model and assessment methodology to further strengthen the due diligence process. There are 4 possible levels of risk. The classification of risks levels is as follows:

- Very high risk: Confirmed presence of a non-conformant SOR in the supplier's operations or an SOR that is not participating in RMAP.
- High risk: Potential risk of a non-conformant SOR in the supplier's operations due to missing SOR list, 3TG SOR with "active" status. Supplier does not have an OECD aligned responsible sourcing policy and due diligence management system in place despite the scope of its operations requiring this.
- Moderate risk: Possible risks in supplier operations due to ineffective or incomplete supplier policies, procedures, or practices.
- Low risk: Supplier has provided a complete CMRT/EMRT and a list of conformant SORs and evidence of due diligence management system.

Step 3: Manage risks

Where supplier risks have been identified, Sandvik develops risk mitigation plans that are tailored to each supplier according to the risk severity. Risk mitigation may vary depending on factors such as the size of the company and its position in the industry, and whether it is a smelter or not. Very high- and high-risk suppliers had the highest priority in risk mitigation. Suppliers

were asked to provide a complete Smelters and Refiners list in their CMRT/EMRT or to improve the completeness of their response. Subsequently emphasis was put on non-conformant smelters provided in CMRT/EMRT as they are identified as very high risk. Action steps were set up to eliminate non-conformant smelters in the relevant supplier's supply chain.

Sandvik aims to have suppliers with a due diligence management system in place in order to meet the expectations set out in the Supplier Code of Conduct. There are requirements for suppliers to have an established responsible sourcing policy and have it publicly available according to OECD. Compliance with these requirements has been checked in CMRT/EMRT as well as on the supplier website since it must be publicly available. Suppliers were informed about these requirements and about the need to comply with them.

Risk mitigation is an ongoing process. Risks are reduced gradually and monitored continuously. There is constant effort to improve by following up on last year's results such as response rate and numbers of Non conformant smelters. Purchasers were trained to discuss the importance of responsible sourcing and to explain Sandvik's expectations and the requirements of the CMRT/EMRT. In case of non-compliance with the Sandvik Supplier Code of Conduct, Sandvik is entitled to terminate the contractual relationship with the Supplier. However, we are also committed to responsible disengagement. Where feasible, Sandvik will first seek to engage with the Supplier to address and remediate identified issues. If termination becomes necessary, we will strive to carry it out in a manner that mitigates adverse impacts on affected stakeholders.

Step 4: Third party assurance at identified points in the supply chain

As a downstream company, Sandvik regularly engages with its first-tier suppliers in order to ensure that all smelters and refiners – identified points of material transformation – in its 3TG and cobalt supply chain have the capacity or a pathway to become third-party assured against the RMI RMAP. This includes ongoing engagement of Sandvik's suppliers, including smelters and refiners, to communicate Sandvik's responsible sourcing requirements and advise on appropriate industry tools and training resources for RMAP certification.

Sandvik's subsidiary Wolfram Bergbau & Hütten AG is a tungsten smelter/refinery based in Austria and supplies a large share of Sandvik's tungsten needs. Since 2015, the facility (CID 002044) has undergone successfully annual third-party assessments, initially by the Conflict Free Sourcing Initiative and later, the Responsible Minerals Initiative's RMAP program. This assures ongoing conformance with the OECD Due Diligence Guidance and hence, Regulation (EU) 2017/821. The most recently completed assessment was conducted by ARCHE Advisors for the assessment period 08/12/2024 - 08/14/2024 and concluded without findings.

Step 5: publicly report on due diligence

In accordance with OECD step 5, Sandvik presents activities and results on due diligence. This report is available on the company website and on the Sandvik intranet.

3. Sandvik's battery due diligences

Sandvik initiated the due diligence process for batteries in 2024 in accordance with Regulation (EU) 2023/1542 (EUBR) and is fully committed to meeting regulatory requirements for any battery sold within the European Economic Area (EEA), whether on its own or in products. In the EEA, we ensure that all batteries used in our products are CE marked, demonstrating compliance with applicable regulatory requirements.

Sandvik has proactively initiated the process for battery due diligence despite significant delays on the regulator's side.

This process includes raising awareness for regulatory requirements throughout the organization, identifying products in scope, communication with suppliers, as well as preparation for third party due diligence audits by a notified body candidate. These actions aim to achieve full regulatory compliance at the time of entry into force for the EUBR requirements in the year 2027.

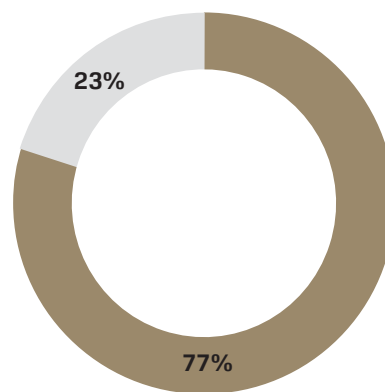


4. Results of 2024 supply chain risk assessment

During the reporting period, Sandvik selected a total of 148 suppliers as being in-scope for 3TG and 138 suppliers for cobalt across its three business areas. The suppliers were contacted and requested to complete the CMRT and EMRT.

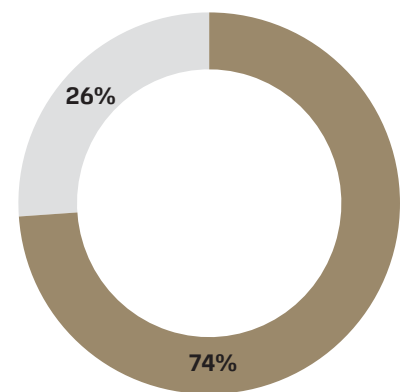
Sandvik achieved a 77% response rate on the CMRT survey with 3TG suppliers reporting 533 SORs in their supply chain. Within the EMRT survey Sandvik achieved a 74% response rate on the EMRT survey. Cobalt suppliers reported 114 SORs in their supply chain.

CMRT response rate



● CMRT provided ● CMRT not provided

EMRT response rate



● EMRT provided ● EMRT not provided

4.1 Assessment of smelters and refiners

The smelter/refiner list in the Annex consolidates information from our suppliers. We accept CMRT/EMRT at the company level, meaning declarations often cover all products or substances from the parent company. Consequently, the list might include smelters/refiners not involved in processing our products.

Given our diverse product portfolio and the complexity of global supply chains, we operate at varying distances from

smelters and refineries. When we source metals directly, we have greater engagement with the supply chain compared to when we purchase components like electronics, where the smelter may be several tiers removed. Achieving full control over the supply chain, especially when many steps away from the smelter or refinery, is a long-term effort that requires sustained collaboration to ensure transparency and compliance.

For the analysis, we utilized the Smelter or Refiners Master tool issued by the RMI. It is important to note that the SOR status is dynamic and subject to continuous updates within the RMI database.

The SOR status is constantly updated in the RMI database. The master data as of end of 2024 or later were used.

3TG & cobalt supply chains

Smelter status	Percentage for 3TG suppliers	Percentage for Cobalt suppliers	Description
Conformant	46%	48%	This company is an eligible smelter and is conformant to the RMAP standard. We do not require any further action from the supplier.
Active	1%	7%	This company is an eligible facility and is engaged in the RMAP but not yet conformant. We do not require any further action from the supplier at this moment.
In Communication	1%	-	This company is an eligible facility and has been contacted regarding the RMI Responsible Minerals Assurance Process. We do not require any further action from the supplier at this moment.
Outreach Required	12%	21%	We request that suppliers contact the smelter, either directly or indirectly, to encourage their participation in the RMAP and to determine when the smelter is expected to become conformant.
Communication Suspended - Not Interested	1%	1%	Facility is not interested in participating in the RMAP. We request that suppliers contact the smelter, either directly or indirectly, to encourage their participation in the RMAP and to conduct their own independent due diligence regarding the use of this smelter in their supply chains.
RMI Due Diligence Review - Unable to Proceed	4%	4%	This smelter is under review with the RMI. At this time, this smelter cannot participate in the RMAP. We request that suppliers take appropriate steps to remove or replace them where identified.
Non Conformant	7%	5%	Facility is currently non-conformant to the RMAP audit standards. We request that suppliers do not use non-conformant smelters in their supply chains and take appropriate steps to remove or replace them where identified.
Not Applicable	28%	14%	We request that suppliers verify current sourcing information related to not applicable smelters. In some cases, the smelter may have ceased operations, may be part of a group company, facility is not yet in operation, or the name provided may require clarification to confirm whether it refers to an actual smelter.

Risk management and mitigation

As part of our commitment to responsible sourcing, we actively strive to ensure that only conformant smelters are present in our supply chain. These smelters meet the standards of recognized due diligence programs and contribute to transparent and ethical sourcing practices. All other smelter statuses are subject to ongoing review and discussion with our suppliers.

Non-conformant smelters represent the highest priority for risk mitigation. We request that suppliers take immediate

action to remove or replace these smelters from their supply chains to maintain alignment with responsible sourcing standards.

If smelters are classified as “not applicable” by the RMI, the reason for this classification is further investigated. These cases often reveal that the entity in question is a downstream company, part of a group company, or a facility that has suspended or ceased operations. In some instances, the name provided may also be insufficiently specific to confirm whether it refers to an actual smelter. Therefore,

not applicable smelters must be verified and clearly identified. We request that suppliers clarify these cases to determine whether the entity is a legitimate smelter and whether it meets conformity requirements. As per OECD guidelines, Sandvik requires independent third-party audits of smelters or refiners. Since Sandvik is member of RMI, it is preferred when the smelters become third-party assured against the RMI RMAP. All smelters with audit status outreach required, communication suspended, unable to proceed are encouraged through supply chain pressure to undergo and pass the audit.

A significant risk arises when suppliers fail to identify all smelters in their supply chains. Complete and accurate smelter disclosure is essential for transparency and effective risk management. Sandvik is committed to assessing the entire supply chain, and therefore places great importance on the identification of all smelters. This is the only way to maintain visibility over potential risks. To support this effort, various trainings and discussions have been conducted with purchasers and suppliers to emphasize the importance of identifying and assessing all smelters and refiners.

Beyond smelter-level due diligence, we also require that all suppliers have a Responsible Sourcing of Minerals and Metals Policy in place, adhere to the OECD Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas, and implement appropriate due diligence measures throughout their supply chains.

These actions are essential to support ethical sourcing, reduce supply chain risks, and contribute to industry-wide improvements in mineral traceability and accountability.

Year-on-year comparison

Sandvik is committed to continuous improvement in responsible sourcing, both throughout the reporting period and on a year-on-year basis. New suppliers have been introduced to the conflict

minerals due diligence process, including participation in training sessions and initial communication efforts. Over the past three years, we have increased the number of suppliers in scope by 48% for 3TG and 86% for Cobalt.

This progress has been supported by extensive identification of relevant suppliers and close cross-departmental collaboration. Although the overall response rate has slightly decreased, the broader engagement of suppliers has contributed to greater awareness and strengthened compliance across our supply chain.

Over the past few years, there has been a significant increase in the number of identified “smelters”. This is due to the growing number of companies actively engaging in due diligence processes in response to increasing regulatory and stakeholder expectations and a shared commitment to ethical supply chains. However, this also leads to a growing number of artefacts, “non-smelters”, downstream facilities and inactive entities being listed. While the number of compliant smelters more than doubled to 300 facilities, the ratio of conformant facilities decreased.

It is important to note that even though the percentage of conformant smelters may appear lower, this is not due to an increase in non-conformant smelters. In most cases, the decrease is a result of adding smelters identified as “not applicable.” These smelters still require

further engagement and verification with suppliers. Continuous education and collaboration are essential to ensure proper identification and to eliminate the risk of non-conformant smelters.

Sandvik is constantly working on risk mitigation by monitoring and following up on identified risks, so the results continue to improve in the coming years.

	2021	2022	2023	2024
Supplier in scope 3TG	100	122	137	148
Suppliers in scope Cobalt	74	75	121	138
CMRT response rate	87%	93%	80%	77%
EMRT response rate	85%	84%	60%	74%
Number of 3TG smelters	128	350	351	533
Number of cobalt smelters	28	37	49	114
Conformant smelters 3TG	90%	64%	64%	46%
Conformant smelters Cobalt	71%	68%	73%	48%

5. Recycled material

The vast majority of the tungsten included as an essential component in Sandvik's products is derived from a mixture of primary and secondary (recycled) material, hence no specific due diligence to conclude exclusively recycled origin is required. Some applications contain tungsten exclusively from the so-

called zinc reclaim process (PRZ) which, due to the underlying technology that requires cemented tungsten carbide as input, can only be fed by selected hard metal scrap, and hence is of 100 % recycled origin.





6. Achievements and challenges

Sandvik's work with responsible sourcing for 3TG and cobalt, along with related due diligence activities, aims to increase supply chain transparency, mitigate potential risks, and encourage continuous improvement in supplier performance. Sandvik actively participates in industry forums to promote responsible sourcing of minerals and metals to help develop common tools and standards that scale impact, particularly in conflict-affected and high-risk areas, either directly or through its subsidiaries. This includes memberships in the Responsible Minerals Initiative, the Cobalt Institute, and the Tungsten Industry Conflict Minerals Council.

One of our key achievements in 2024 was the update of our Responsible Sourcing of Minerals and Metals Procedure. The revised procedure provides clearer guidance for internal teams and aligns our practices more closely with international standards. Key improvements include a defined governance structure, enhanced supplier risk assessment using a standardized validation checklist, prioritized supplier engagement, and more

transparent annual reporting. These updates strengthen our ability to manage supply chain risks effectively and uphold our sustainability commitments.

Throughout 2024, several trainings were conducted for employees across various business areas. These sessions focused on procedural updates, enhancements to management systems, and identifying risks and mitigation strategies.

One of the ongoing challenges is coordinating due diligence across Sandvik's three business areas. Aligning processes and avoiding duplication of effort requires continuous collaboration. Sandvik has made progress in this area by improving internal coordination and working to enhance both the due diligence process and the reporting system.

As part of its ongoing efforts, Sandvik continues to expand the scope of suppliers included in the Responsible Sourcing of Minerals and Metals program, further strengthening its commitment to responsible sourcing.



7. Looking forward

All companies with mineral supply chains, particularly those involving 3TG and cobalt are required to actively implement robust due diligence, analysis, and reporting practices.

In 2025, Sandvik will continue to strengthen its responsible sourcing practices for 3TG and cobalt, with a focus on risk assessment, supplier engagement, and mitigation measures, including monitoring and tracking of their effectiveness. Efforts will be made to continue identifying relevant suppliers, improve CMRT and EMRT response rates, establish clear responsibility within Procurement teams for shared suppliers across Sandvik divisions, and explore automation opportunities. Based on the data received, potential risks will be analyzed, and appropriate follow-up actions will be defined to support continuous improvement and alignment with the OECD Due Diligence Guidance.

Communication with suppliers will emphasize the importance of engaging their own supply chains and, where necessary, working directly with smelters and refiners. Training and support will be provided to help suppliers implement due diligence processes effectively.

Internally, Sandvik plans to further enhance its capabilities through targeted training and knowledge-sharing initiatives. Employees involved in responsible sourcing will continue to participate in relevant seminars, workshops, and industry events to stay aligned with evolving standards and best

practices. Engagement with key industry initiatives such as the Responsible Minerals Initiative (RMI) and the Cobalt Institute will remain a priority.

In addition, Sandvik is preparing to implement a stakeholder mapping process to better identify and categorize both internal and external stakeholders. This will support the development of tailored engagement strategies that promote transparency, collaboration, and continuous improvement. Strengthening cooperation with civil society organizations will also be explored to gain deeper insights into the social and environmental impacts of mineral sourcing and further enhance due diligence efforts.

As part of our ongoing commitment to responsible sourcing, Sandvik aims to enhance transparency and improve the efficiency of our data management processes. Efforts are underway to explore ways to streamline the collection and analysis of supplier data related to mineral sourcing. By improving internal processes and leveraging digital tools, we seek to strengthen the accuracy and reliability of the information we gather, laying the groundwork for more robust reporting and future transparency initiatives.

In 2025, Sandvik plans to start requesting the updated EMRT (with battery minerals added) from relevant battery component suppliers. After receiving completed templates, Sandvik intends to communicate action recommendations to the supplier.

Annex: Smelter and refiner list 2024

Standard Facility Name	Facility ID	Metal	Country Location
Wolfram Bergbau und Hutten AG	CID002044	Tungsten	AUSTRIA
H.C. Starck Tungsten GmbH	CID002541	Tungsten	GERMANY
Masan High-Tech Materials	CID002543	Tungsten	VIET NAM
Jiangwu H.C. Starck Tungsten Products Co., Ltd.	CID002551	Tungsten	CHINA
Global Tungsten & Powders LLC	CID000568	Tungsten	UNITED STATES OF AMERICA
Ganzhou Jiangwu Ferrotungsten Co., Ltd.	CID002315	Tungsten	CHINA
Asia Tungsten Products Vietnam Ltd.	CID002502	Tungsten	VIET NAM
Shinwon Tungsten (Fujian Shanghang) Co., Ltd.	CID004430	Tungsten	CHINA
Cronimet Brasil Ltda	CID003468	Tungsten	BRAZIL
Chongyi Zhangyuan Tungsten Co., Ltd.	CID000258	Tungsten	CHINA
A.L.M.T. Corp.	CID000004	Tungsten	JAPAN
Japan New Metals Co., Ltd.	CID000825	Tungsten	JAPAN
Resind Industria e Comercio Ltda.	CID002707	Tantalum	BRAZIL
AMG Brasil	CID001076	Tantalum	BRAZIL
Mineracao Taboca S.A.	CID001175	Tantalum	BRAZIL
Ningxia Orient Tantalum Industry Co., Ltd.	CID001277	Tantalum	CHINA
Yanling Jincheng Tantalum & Niobium Co., Ltd.	CID001522	Tantalum	CHINA
Guangdong Xianglu Tungsten Co., Ltd.	CID000218	Tungsten	CHINA
F&X Electro-Materials Ltd.	CID000460	Tantalum	CHINA
XIMEI RESOURCES (GUANGDONG) LIMITED	CID000616	Tantalum	CHINA
Hunan Chenzhou Mining Co., Ltd.	CID000766	Tungsten	CHINA
JiuJiang JinXin Nonferrous Metals Co., Ltd.	CID000914	Tantalum	CHINA
Jiujiang Tanbre Co., Ltd.	CID000917	Tantalum	CHINA
Xiamen Tungsten Co., Ltd.	CID002082	Tungsten	CHINA
Jiangxi Yaosheng Tungsten Co., Ltd.	CID002316	Tungsten	CHINA
Jiangxi Xinsheng Tungsten Industry Co., Ltd.	CID002317	Tungsten	CHINA
Jiangxi Tonggu Non-ferrous Metallurgical & Chemical Co., Ltd.	CID002318	Tungsten	CHINA
Malipo Haiyu Tungsten Co., Ltd.	CID002319	Tungsten	CHINA
Xiamen Tungsten (H.C.) Co., Ltd.	CID002320	Tungsten	CHINA
Jiangxi Gan Bei Tungsten Co., Ltd.	CID002321	Tungsten	CHINA
Hengyang King Xing Lifeng New Materials Co., Ltd.	CID002492	Tantalum	CHINA
Ganzhou Seadragon W & Mo Co., Ltd.	CID002494	Tungsten	CHINA
FIR Metals & Resource Ltd.	CID002505	Tantalum	CHINA
Jiujiang Zhongao Tantalum & Niobium Co., Ltd.	CID002506	Tantalum	CHINA
Jiangxi Dinghai Tantalum & Niobium Co., Ltd.	CID002512	Tantalum	CHINA
Hunan Shizhuyuan Nonferrous Metals Co., Ltd. Chenzhou Tungsten Products Branch	CID002513	Tungsten	CHINA
Hubei Green Tungsten Co., Ltd.	CID003417	Tungsten	CHINA
RFH Yancheng Jinye New Material Technology Co., Ltd.	CID003583	Tantalum	CHINA
Fujian Xinlu Tungsten Co., Ltd.	CID003609	Tungsten	CHINA
Jiangxi Tuohong New Raw Material	CID002842	Tantalum	CHINA
China Molybdenum Tungsten Co., Ltd.	CID002641	Tungsten	CHINA
TANIOBIS Smelting GmbH & Co. KG	CID002550	Tantalum	GERMANY
TANIOBIS GmbH	CID002545	Tantalum	GERMANY
TANIOBIS Smelting GmbH & Co. KG	CID002542	Tungsten	GERMANY

Standard Facility Name	Facility ID	Metal	Country Location
NPM Silmet AS	CID001200	Tantalum	ESTONIA
Metallurgical Products India Pvt., Ltd.	CID001163	Tantalum	INDIA
Mitsui Mining and Smelting Co., Ltd.	CID001192	Tantalum	JAPAN
TANIOBIS Japan Co., Ltd.	CID002549	Tantalum	JAPAN
Ulba Metallurgical Plant JSC	CID001969	Tantalum	KAZAKHSTAN
TANIOBIS Co., Ltd.	CID002544	Tantalum	THAILAND
Lianyou Metals Co., Ltd.	CID003407	Tungsten	TAIWAN, PROVINCE OF CHINA
Materion Newton Inc.	CID002548	Tantalum	UNITED STATES OF AMERICA
Niagara Refining LLC	CID002589	Tungsten	UNITED STATES OF AMERICA
Telex Metals	CID001891	Tantalum	UNITED STATES OF AMERICA
D Block Metals, LLC	CID002504	Tantalum	UNITED STATES OF AMERICA
Global Advanced Metals Boyertown	CID002557	Tantalum	UNITED STATES OF AMERICA
KEMET de Mexico	CID002539	Tantalum	MEXICO
Global Advanced Metals Aizu	CID002558	Tantalum	JAPAN
QuantumClean	CID001508	Tantalum	UNITED STATES OF AMERICA
Taki Chemical Co., Ltd.	CID001869	Tantalum	JAPAN
XinXing HaoRong Electronic Material Co., Ltd.	CID002508	Tantalum	CHINA
Kennametal Fallon	CID000966	Tungsten	UNITED STATES OF AMERICA
Kennametal Huntsville	CID000105	Tungsten	UNITED STATES OF AMERICA
Philippine Chuangxin Industrial Co., Inc.	CID002827	Tungsten	PHILIPPINES
Tungsten Vietnam Joint Stock Company	CID003993	Tungsten	VIET NAM
Guangdong Rising Rare Metals-EO Materials Ltd.	CID000291	Tantalum	CHINA
Lianyou Resources Co., Ltd.	CID004397	Tungsten	TAIWAN, PROVINCE OF CHINA
QSIL Metals Hermsdorf GmbH	CID002547	Tantalum	GERMANY
Fujian Ganmin RareMetal Co., Ltd.	CID003401	Tungsten	CHINA
Ganzhou Haichuang Tungsten Co., Ltd.	CID002645	Tungsten	CHINA
Ganzhou Huaxing Tungsten Products Co., Ltd.	CID000875	Tungsten	CHINA
Hunan Jintai New Material Co., Ltd.	CID000769	Tungsten	CHINA
Hunan Litian Tungsten Industry Co., Ltd.	CID003182	Tungsten	CHINA
Xinfeng Huarui Tungsten & Molybdenum New Material Co., Ltd.	CID002830	Tungsten	CHINA
YUDU ANSHENG TUNGSTEN CO., LTD.	CID003662	Tungsten	CHINA
Changsha South Tantalum Niobium Co., Ltd.	CID000211	Tantalum	CHINA
Eco-System Recycling Co., Ltd. North Plant	CID003424	Gold	JAPAN
Eco-System Recycling Co., Ltd. West Plant	CID003425	Gold	JAPAN
Sumitomo Metal Mining Co., Ltd.	CID001798	Gold	JAPAN
Kojima Chemicals Co., Ltd.	CID000981	Gold	JAPAN
Tokuriki Honten Co., Ltd.	CID001938	Gold	JAPAN
Nihon Material Co., Ltd.	CID001259	Gold	JAPAN
DSC (Do Sung Corporation)	CID000359	Gold	KOREA, REPUBLIC OF
TOO Tau-Ken-Altyn	CID002615	Gold	KAZAKHSTAN
Kazzinc	CID000957	Gold	KAZAKHSTAN
Kazakhmys Smelting LLC	CID000956	Gold	KAZAKHSTAN
LT Metal Ltd.	CID000689	Gold	KOREA, REPUBLIC OF
HwaSeong CJ CO., LTD.	CID000778	Gold	KOREA, REPUBLIC OF
LS MnM Inc.	CID001078	Gold	KOREA, REPUBLIC OF
Torecom	CID001955	Gold	KOREA, REPUBLIC OF
QG Refining, LLC	CID003324	Gold	UNITED STATES OF AMERICA
Pease & Curren	CID002872	Gold	UNITED STATES OF AMERICA
Almalyk Mining and Metallurgical Complex (AMMC)	CID000041	Gold	UZBEKISTAN

Standard Facility Name	Facility ID	Metal	Country Location
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Navoi Mining and Metallurgical Combinat	CID001236	Gold	UZBEKISTAN
Fidelity Printers and Refiners Ltd.	CID002515	Gold	ZIMBABWE
Albasteel Industria e Comercio de Ligas Para Fundicao Ltd.	CID003427	Tungsten	BRAZIL
ACL Metais Eireli	CID002833	Tungsten	BRAZIL
PowerX Ltd.	CID004054	Tantalum	RWANDA
Nam Viet Cromit Joint Stock Company	CID004034	Tungsten	VIET NAM
Global Advanced Metals Greenbushes Pty Ltd.	CID004754	Tin	AUSTRALIA
Elite Industech Co., Ltd.	CID004755	Gold	TAIWAN, PROVINCE OF CHINA
Emerald Jewel Industry India Limited (Unit 2)	CID003488	Gold	INDIA
Woodcross Smelting Company Limited	CID004724	Tin	UGANDA
Metal Concentrators SA (Pty) Ltd.	CID003575	Gold	SOUTH AFRICA
CRM Synergies	CID003524	Tin	SPAIN
CRM Fundicao De Metais E Comercio De Equipamentos Eletronicos Do Brasil Ltda	CID003486	Tin	BRAZIL
Emerald Jewel Industry India Limited (Unit 3)	CID003489	Gold	INDIA
Emerald Jewel Industry India Limited (Unit 4)	CID003490	Gold	INDIA
Impala Platinum - Platinum Metals Refinery (PMR)	CID004714	Gold	SOUTH AFRICA
GG Refinery Ltd.	CID004506	Gold	TANZANIA, UNITED REPUBLIC OF
KENEE MINING VIETNAM COMPANY LIMITED	CID004619	Tungsten	VIET NAM
OOO "Technolom" 1	CID003614	Tungsten	RUSSIAN FEDERATION
Gold by Gold Colombia	CID003641	Gold	COLOMBIA
An Vinh Joint Stock Mineral Processing Company	CID002703	Tin	VIET NAM
Tuyen Quang Non-Ferrous Metals Joint Stock Company	CID002574	Tin	VIET NAM
Electro-Mechanical Facility of the Cao Bang Minerals & Metallurgy Joint Stock Company	CID002572	Tin	VIET NAM
Nghe Tinh Non-Ferrous Metals Joint Stock Company	CID002573	Tin	VIET NAM
Mitsubishi Materials Corporation	CID001191	Tin	JAPAN
PT Prima Timah Utama	CID001458	Tin	INDONESIA
Precious Minerals and Smelting Limited	CID003409	Tin	INDIA
CV Ayi Jaya	CID002570	Tin	INDONESIA
MALAMET SMELTING SDN. BHD.	CID004056	Tungsten	MALAYSIA
Gejiu Kai Meng Industry and Trade LLC	CID000942	Tin	CHINA
Chenzhou Yunxiang Mining and Metallurgy Co., Ltd.	CID000228	Tin	CHINA
Gejiu Non-Ferrous Metal Processing Co., Ltd.	CID000538	Tin	CHINA
HuiChang Hill Tin Industry Co., Ltd.	CID002844	Tin	CHINA
Planta Recuperadora de Metales SpA	CID002919	Gold	CHILE
Jiangxi Copper Co., Ltd.	CID000855	Gold	CHINA
Inner Mongolia Qiankun Gold and Silver Refinery Share Co., Ltd.	CID000801	Gold	CHINA
Hunan Guiyang yinxing Nonferrous Smelting Co., Ltd.	CID000773	Gold	CHINA
Refinery of Seemine Gold Co., Ltd.	CID000522	Gold	CHINA
Hunan Chenzhou Mining Co., Ltd.	CID000767	Gold	CHINA
Metalor Technologies (Suzhou) Ltd.	CID001147	Gold	CHINA
Aurubis AG	CID000113	Gold	GERMANY
JALAN & Company	CID002893	Gold	INDIA
GGC Gujrat Gold Centre Pvt. Ltd.	CID002852	Gold	INDIA
Sai Refinery	CID002853	Gold	INDIA
Shirpur Gold Refinery Ltd.	CID002588	Gold	INDIA
MMTC-PAMP India Pvt., Ltd.	CID002509	Gold	INDIA
CGR Metalloys Pvt Ltd.	CID003382	Gold	INDIA
Sovereign Metals	CID003383	Gold	INDIA
SOE Shyolkovsky Factory of Secondary Precious Metals	CID001756	Gold	RUSSIAN FEDERATION

Standard Facility Name	Facility ID	Metal	Country Location
Metalor Technologies (Singapore) Pte., Ltd.	CID001152	Gold	SINGAPORE
L'azurde Company For Jewelry	CID001032	Gold	SAUDI ARABIA
Sudan Gold Refinery	CID002567	Gold	SUDAN
Boliden Ronnskar	CID000157	Gold	SWEDEN
SEMPSA Joyeria Plateria S.A.	CID001585	Gold	SPAIN
AU Traders and Refiners	CID002850	Gold	SOUTH AFRICA
Rand Refinery (Pty) Ltd.	CID001512	Gold	SOUTH AFRICA
Argor-Heraeus S.A.	CID000077	Gold	SWITZERLAND
PX Precinox S.A.	CID001498	Gold	SWITZERLAND
Metalor Technologies S.A.	CID001153	Gold	SWITZERLAND
Valcambi S.A.	CID002003	Gold	SWITZERLAND
MKS PAMP SA	CID001352	Gold	SWITZERLAND
Cendres + Metaux S.A.	CID000189	Gold	SWITZERLAND
Singway Technology Co., Ltd.	CID002516	Gold	TAIWAN, PROVINCE OF CHINA
Solar Applied Materials Technology Corp.	CID001761	Gold	TAIWAN, PROVINCE OF CHINA
Umicore Precious Metals Thailand	CID002314	Gold	THAILAND
African Gold Refinery	CID003185	Gold	UGANDA
RIKAYAA GREENTECH PRIVATE LIMITED	CID004692	Tin	INDIA
Woltech Korea Co., Ltd.	CID002843	Tungsten	KOREA, REPUBLIC OF
Attero Recycling Pvt Ltd	CID004697	Gold	INDIA
SHENZHEN JINJUNWEI RESOURCE COMPREHENSIVE DEVELOPMENT CO., LTD.	CID004435	Gold	CHINA
Philippine Carreytech Metal Corp.	CID004438	Tungsten	PHILIPPINES
K.A. Rasmussen	CID003497	Gold	NORWAY
Kundan Care Products Ltd.	CID003463	Gold	INDIA
Solikamsk Magnesium Works OAO	CID001769	Tantalum	RUSSIAN FEDERATION
HANNAE FOR T Co., Ltd.	CID003978	Tungsten	KOREA, REPUBLIC OF
Coimpa Industrial LTDA	CID004010	Gold	BRAZIL
Mining Minerals Resources SARL	CID004065	Tin	CONGO, DEMOCRATIC REPUBLIC OF THE
Novosibirsk Tin Combine	CID001305	Tin	RUSSIAN FEDERATION
Fenix Metals	CID000468	Tin	POLAND
O.M. Manufacturing Philippines, Inc.	CID002517	Tin	PHILIPPINES
Minsur	CID001182	Tin	PERU
Pongpipat Company Limited	CID003208	Tin	MYANMAR
Malaysia Smelting Corporation (MSC)	CID001105	Tin	MALAYSIA
Modeltech Sdn Bhd	CID002858	Tin	MALAYSIA
China Tin Group Co., Ltd.	CID001070	Tin	CHINA
Gejiu Zili Mining And Metallurgy Co., Ltd.	CID000555	Tin	CHINA
Yunnan Chengfeng Non-ferrous Metals Co., Ltd.	CID002158	Tin	CHINA
Tin Smelting Branch of Yunnan Tin Co., Ltd.	CID002180	Tin	CHINA
Ma'anshan Weitai Tin Co., Ltd.	CID003379	Tin	CHINA
Gejiu City Fuxiang Industry and Trade Co., Ltd.	CID003410	Tin	CHINA
Yunnan Yunfan Non-ferrous Metals Co., Ltd.	CID003397	Tin	CHINA
ABC Refinery Pty Ltd.	CID002920	Gold	AUSTRALIA
L'Orfebre S.A.	CID002762	Gold	ANDORRA
Western Australian Mint (T/a The Perth Mint)	CID002030	Gold	AUSTRALIA
Ogussa Österreichische Gold- und Silber-Scheideanstalt GmbH	CID002779	Gold	AUSTRIA
Industrial Refining Company	CID002587	Gold	BELGIUM
Umicore S.A. Business Unit Precious Metals Refining	CID001980	Gold	BELGIUM
AngloGold Ashanti Corrego do Sitio Mineracao	CID000058	Gold	BRAZIL

Standard Facility Name	Facility ID	Metal	Country Location
Albino Mountinho Lda.	CID002760	Gold	PORTUGAL
Marsam Metals	CID002606	Gold	BRAZIL
Royal Canadian Mint	CID001534	Gold	CANADA
Asahi Refining Canada Ltd.	CID000924	Gold	CANADA
CCR Refinery - Glencore Canada Corporation	CID000185	Gold	CANADA
Metalor Technologies (Hong Kong) Ltd.	CID001149	Gold	CHINA
Shandong Humon Smelting Co., Ltd.	CID002525	Gold	CHINA
PT Aneka Tambang (Persero) Tbk	CID001397	Gold	INDONESIA
Safimet S.p.A	CID002973	Gold	ITALY
T.C.A S.p.A	CID002580	Gold	ITALY
8853 S.p.A.	CID002763	Gold	ITALY
Chimet S.p.A.	CID000233	Gold	ITALY
Italpreziosi	CID002765	Gold	ITALY
Yokohama Metal Co., Ltd.	CID002129	Gold	JAPAN
Yamakin Co., Ltd.	CID002100	Gold	JAPAN
Ishifuku Metal Industry Co., Ltd.	CID000807	Gold	JAPAN
Ohura Precious Metal Industry Co., Ltd.	CID001325	Gold	JAPAN
Eco-System Recycling Co., Ltd. East Plant	CID000425	Gold	JAPAN
Matsuda Sangyo Co., Ltd.	CID001119	Gold	JAPAN
Aida Chemical Industries Co., Ltd.	CID000019	Gold	JAPAN
ASAHI METALFINE, Inc.	CID000082	Gold	JAPAN
Dowa	CID000401	Gold	JAPAN
Chugai Mining	CID000264	Gold	JAPAN
Japan Mint	CID000823	Gold	JAPAN
Asaka Riken Co., Ltd.	CID000090	Gold	JAPAN
Fujairah Gold FZC	CID002584	Gold	UNITED ARAB EMIRATES
Dijllah Gold Refinery FZC	CID003348	Gold	UNITED ARAB EMIRATES
Kaloti Precious Metals	CID002563	Gold	UNITED ARAB EMIRATES
Al Etihad Gold Refinery DMCC	CID002560	Gold	UNITED ARAB EMIRATES
Emirates Gold DMCC	CID002561	Gold	UNITED ARAB EMIRATES
International Precious Metal Refiners	CID002562	Gold	UNITED ARAB EMIRATES
Atasay Kuyumculuk Sanayi Ve Ticaret A.S.	CID000103	Gold	TURKEY
Nadir Metal Rafineri San. Ve Tic. A.S.	CID001220	Gold	TURKEY
Istanbul Gold Refinery	CID000814	Gold	TURKEY
Advanced Chemical Company	CID000015	Gold	UNITED STATES OF AMERICA
Materion	CID001113	Gold	UNITED STATES OF AMERICA
United Precious Metal Refining, Inc.	CID001993	Gold	UNITED STATES OF AMERICA
Metalor USA Refining Corporation	CID001157	Gold	UNITED STATES OF AMERICA
Asahi Refining USA Inc.	CID000920	Gold	UNITED STATES OF AMERICA
Abington Reldan Metals, LLC	CID002708	Gold	UNITED STATES OF AMERICA
Kennecott Utah Copper LLC	CID000969	Gold	UNITED STATES OF AMERICA
Sabin Metal Corp.	CID001546	Gold	UNITED STATES OF AMERICA
Emerald Jewel Industry India Limited (Unit 1)	CID003487	Gold	INDIA
SAM Precious Metals FZ-LLC	CID003666	Gold	UNITED ARAB EMIRATES
Metallix Refining Inc.	CID003557	Gold	UNITED STATES OF AMERICA
Alexy Metals	CID003500	Gold	UNITED STATES OF AMERICA
VQB Mineral and Trading Group JSC	CID002015	Tin	VIET NAM
Tin Technology & Refining	CID003325	Tin	UNITED STATES OF AMERICA
Alpha Assembly Solutions Inc	CID000292	Tin	UNITED STATES OF AMERICA

Standard Facility Name	Facility ID	Metal	Country Location
Fabrica Auricchio Industria e Comercio Ltda.	CID003582	Tin	BRAZIL
O.M. Manufacturing (Thailand) Co., Ltd.	CID001314	Tin	THAILAND
Thaisarco	CID001898	Tin	THAILAND
Rui Da Hung	CID001539	Tin	TAIWAN, PROVINCE OF CHINA
Aurubis Berango	CID002774	Tin	SPAIN
Luna Smelter, Ltd.	CID003387	Tin	RWANDA
PT Premium Tin Indonesia	CID000313	Tin	INDONESIA
PT Mitra Stania Prima	CID001453	Tin	INDONESIA
PT Rajehan Ariq	CID002593	Tin	INDONESIA
PT ATD Makmur Mandiri Jaya	CID002503	Tin	INDONESIA
PT Cipta Persada Mulia	CID002696	Tin	INDONESIA
Chifeng Dajingzi Tin Industry Co., Ltd.	CID003190	Tin	CHINA
Guangdong Hanhe Non-Ferrous Metal Co., Ltd.	CID003116	Tin	CHINA
Dongguan CiEXPO Environmental Engineering Co., Ltd.	CID003356	Tin	CHINA
Resind Industria e Comercio Ltda.	CID002706	Tin	BRAZIL
Magnu's Minerais Metais e Ligas Ltda.	CID002468	Tin	BRAZIL
Melt Metais e Ligas S.A.	CID002500	Tin	BRAZIL
Estanho de Rondonia S.A.	CID000448	Tin	BRAZIL
Super Ligas	CID002756	Tin	BRAZIL
White Solder Metalurgia e Mineracao Ltda.	CID002036	Tin	BRAZIL
Mineracao Taboca S.A.	CID001173	Tin	BRAZIL
EM Vinto	CID000438	Tin	BOLIVIA (PLURINATIONAL STATE OF)
Operaciones Metalurgicas S.A.	CID001337	Tin	BOLIVIA (PLURINATIONAL STATE OF)
Aurubis Beerse	CID002773	Tin	BELGIUM
Daye Non-Ferrous Metals Mining Ltd.	CID000343	Gold	CHINA
Hangzhou Fuchunjiang Smelting Co., Ltd.	CID000671	Gold	CHINA
Guoda Safina High-Tech Environmental Refinery Co., Ltd.	CID000651	Gold	CHINA
Guangdong Jinding Gold Limited	CID002312	Gold	CHINA
Sichuan Tianze Precious Metals Co., Ltd.	CID001736	Gold	CHINA
Shenzhen CuiLu Gold Co., Ltd.	CID002750	Gold	CHINA
Super Dragon Technology Co., Ltd.	CID001810	Gold	TAIWAN, PROVINCE OF CHINA
Zijin Mining Group Gold Smelting Co. Ltd.	CID002243	Gold	CHINA
Heraeus Metals Hong Kong Ltd.	CID000707	Gold	CHINA
SAFINA A.S.	CID002290	Gold	CZECHIA
SAAMP	CID002761	Gold	FRANCE
Degussa Sonne / Mond Goldhandel GmbH	CID002867	Gold	GERMANY
Heraeus Germany GmbH Co. KG	CID000711	Gold	GERMANY
Agosi AG	CID000035	Gold	GERMANY
WIELAND Edelmetalle GmbH	CID002778	Gold	GERMANY
Heimerle + Meule GmbH	CID000694	Gold	GERMANY
Gold Coast Refinery	CID003186	Gold	GHANA
C. Hafner GmbH + Co. KG	CID000176	Gold	GERMANY
Korea Zinc Co., Ltd.	CID002605	Gold	KOREA, REPUBLIC OF
Samwon Metals Corp.	CID001562	Gold	KOREA, REPUBLIC OF
Samduck Precious Metals	CID001555	Gold	KOREA, REPUBLIC OF
SungEel HiMetal Co., Ltd.	CID002918	Gold	KOREA, REPUBLIC OF
NH Recytech Company	CID003189	Gold	KOREA, REPUBLIC OF
Kyrgyzaltyn JSC	CID001029	Gold	KYRGYZSTAN
State Research Institute Center for Physical Sciences and Technology	CID003153	Gold	LITHUANIA

Standard Facility Name	Facility ID	Metal	Country Location
Modeltech Sdn Bhd	CID002857	Gold	MALAYSIA
Caridad	CID000180	Gold	MEXICO
REMONDIS PMR B.V.	CID002582	Gold	NETHERLANDS
Metalurgica Met-Mex Penoles S.A. De C.V.	CID001161	Gold	MEXICO
Morris and Watson	CID002282	Gold	NEW ZEALAND
Bangko Sentral ng Pilipinas (Central Bank of the Philippines)	CID000128	Gold	PHILIPPINES
KGHM Polska Miedz Spolka Akcyjna	CID002511	Gold	POLAND
Kyshtym Copper-Electrolytic Plant ZAO	CID002865	Gold	RUSSIAN FEDERATION
JSC Uralelectromed	CID000929	Gold	RUSSIAN FEDERATION
Moscow Special Alloys Processing Plant	CID001204	Gold	RUSSIAN FEDERATION
JSC Ekaterinburg Non-Ferrous Metal Processing Plant	CID000927	Gold	RUSSIAN FEDERATION
OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals Plant" (OJSC Krastsvetmet)	CID001326	Gold	RUSSIAN FEDERATION
Prioksky Plant of Non-Ferrous Metals	CID001386	Gold	RUSSIAN FEDERATION
JSC Novosibirsk Refinery	CID000493	Gold	RUSSIAN FEDERATION
Unecha Refractory metals plant	CID002724	Tungsten	RUSSIAN FEDERATION
JSC "Kirovgrad Hard Alloys Plant"	CID003408	Tungsten	RUSSIAN FEDERATION
NPP Tyazhmetprom LLC	CID003416	Tungsten	RUSSIAN FEDERATION
Hydrometallurg, JSC	CID002649	Tungsten	RUSSIAN FEDERATION
Moliren Ltd.	CID002845	Tungsten	RUSSIAN FEDERATION
CNMC (Guangxi) PGMA Co., Ltd.	CID000281	Tungsten	CHINA
Jiangxi Minmetals Gao'an Non-ferrous Metals Co., Ltd.	CID002313	Tungsten	CHINA
Artekk LLC	CID003553	Tungsten	RUSSIAN FEDERATION
OOO "Technolom" 2	CID003612	Tungsten	RUSSIAN FEDERATION
NOBLE METAL SERVICES	CID003690	Gold	UNITED STATES OF AMERICA
Takehara PVD Materials Plant / PVD Materials Division of MITSUI MINING & SMELTING CO., LTD.	CID004403	Tin	JAPAN
Longnan Chuangyue Environmental Protection Technology Development Co., Ltd	CID004796	Tin	CHINA
Philippine Bonway Manufacturing Industrial Corporation	CID004797	Tungsten	PHILIPPINES
MD Overseas	CID003548	Gold	INDIA
Augmont Enterprises Private Limited	CID003461	Gold	INDIA
Bangalore Refinery	CID002863	Gold	INDIA
Dongwu Gold Group	CID003663	Gold	CHINA
5D Production OU	CID003926	Tantalum	ESTONIA
WEEEREFINING	CID003615	Gold	FRANCE
PT Mitra Sukses Globalindo	CID003449	Tin	INDONESIA
PT Putera Sarana Shakti (PT PSS)	CID003868	Tin	INDONESIA
LLC Vostok	CID003643	Tungsten	RUSSIAN FEDERATION
Metallic Resources, Inc.	CID001142	Tin	UNITED STATES OF AMERICA
Dowa	CID000402	Tin	JAPAN
PT Timah Tbk Kundur	CID001477	Tin	INDONESIA
PT Timah Tbk Mentok	CID001482	Tin	INDONESIA
PT Bangka Prima Tin	CID002776	Tin	INDONESIA
Jiangxi New Nanshan Technology Ltd.	CID001231	Tin	CHINA
Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.	CID001908	Tin	CHINA
Malaysia Smelting Corporation Berhad (Port Klang)	CID004434	Tin	MALAYSIA
Tongling Nonferrous Metals Group Co., Ltd.	CID001947	Gold	CHINA
Shandong Gold Smelting Co., Ltd.	CID001916	Gold	CHINA
Zhongyuan Gold Smelter of Zhongjin Gold Corporation	CID002224	Gold	CHINA
Great Wall Precious Metals Co., Ltd. of CBPM	CID001909	Gold	CHINA
Shenzhen Zhonghenglong Real Industry Co., Ltd.	CID002527	Gold	CHINA

Standard Facility Name	Facility ID	Metal	Country Location
Lingbao Jinyuan Tonghui Refinery Co., Ltd.	CID001058	Gold	CHINA
Luoyang Zijin Yinhui Gold Refinery Co., Ltd.	CID001093	Gold	CHINA
Lingbao Gold Co., Ltd.	CID001056	Gold	CHINA
Penglai Penggang Gold Industry Co., Ltd.	CID001362	Gold	CHINA
Shandong Tiancheng Biological Gold Industrial Co., Ltd.	CID001619	Gold	CHINA
Shandong Zhaojin Gold & Silver Refinery Co., Ltd.	CID001622	Gold	CHINA
Yunnan Copper Industry Co., Ltd.	CID000197	Gold	CHINA
Mitsui Mining and Smelting Co., Ltd.	CID001193	Gold	JAPAN
Mitsubishi Materials Corporation	CID001188	Gold	JAPAN
Tanaka Kikinzoku Kogyo K.K.	CID001875	Gold	JAPAN
JX Advanced Metals Corporation	CID000937	Gold	JAPAN
PT Refined Bangka Tin	CID001460	Tin	INDONESIA
A.L.M.T. Corp.	CID000005	Gold	JAPAN
Jingmen GEM Co., Ltd.	CID003378	Cobalt	CHINA
Umicore Finland Oy	CID003226	Cobalt	FINLAND
Glencore Nikkelverk Refinery	CID003403	Cobalt	NORWAY
Niihama Nickel Refinery, Sumitomo Metal Mining	CID003278	Cobalt	JAPAN
Port Colborne Refinery	CID003239	Cobalt	CANADA
Dynatec Madagascar Company	CID003232	Cobalt	MADAGASCAR
Murrin Murrin Nickel Cobalt Plant	CID003406	Cobalt	AUSTRALIA
Mine de Bou-Azzer	CID003279	Cobalt	MOROCCO
NORILSK NICKEL HARJAVALTA OY	CID003390	Cobalt	FINLAND
Quzhou Huayou Cobalt New Material Co., Ltd.	CID003255	Cobalt	CHINA
Gem (Jiangsu) Cobalt Industry Co., Ltd.	CID003209	Cobalt	CHINA
Ganzhou Tengyuan Cobalt New Material Co., Ltd.	CID003212	Cobalt	CHINA
Zhejiang Greatpower Cobalt Materials Co., Ltd.	CID003526	Cobalt	CHINA
Sumitomo Metal Mining	CID003955	Multiple	JAPAN
Harima Refinery, Sumitomo Metal Mining	CID003577	Cobalt	JAPAN
Fort Saskatchewan Metals Facility	CID003242	Cobalt	CANADA
Umicore Olen	CID003228	Cobalt	BELGIUM
Vale - Long Harbour Processing Plant (LHPP)	CID003584	Cobalt	CANADA
Kamoto Copper Company	CID003261	Cobalt	CONGO, DEMOCRATIC REPUBLIC OF THE
Jiangxi Jiangwu Cobalt Industrial Co., Ltd.	CID003377	Cobalt	CHINA
Ganzhou Highpower Technology Co., Ltd.	CID003384	Cobalt	CHINA
Nanjing Hanrui Cobalt	CID003252	Cobalt	CHINA
Lanzhou Jinchuan Advanced Materials Technology Co., Ltd.	CID003210	Cobalt	CHINA
Guangxi Yinyi Advanced Material Co., Ltd.	CID003213	Cobalt	CHINA
Nantong Xinwei Nickel Cobalt Technology Development Co., Ltd.	CID003221	Cobalt	CHINA
Zhejiang Huayou Cobalt Company Limited	CID003225	Cobalt	CHINA
Guizhou CNGR Resource Recycling Industry Development Co., Ltd.	CID003610	Cobalt	CHINA
Hunan Yacheng New Energy Co., Ltd.	CID003404	Cobalt	CHINA
Chizhou CN New Materials and Technology Co., Ltd.	CID003481	Cobalt	CHINA
Hunan CNGR New Energy Science & Technology Co., Ltd.	CID003411	Cobalt	CHINA
Guangdong Jiana Energy Technology Co., Ltd.	CID003291	Cobalt	CHINA
Jiangsu Xiongfeng Technology Co., Ltd.	CID003293	Cobalt	CHINA
Zhejiang New Era Zhongneng Technology Co., Ltd.	CID003398	Cobalt	CHINA
Anhui Hanrui New Material Co., Ltd.	CID003927	Cobalt	CHINA
ICoNiChem	CID003491	Cobalt	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND
SungEel HiTech Co., Ltd.	CID003338	Cobalt	KOREA, REPUBLIC OF

Standard Facility Name	Facility ID	Metal	Country Location
Cosmo Chemical, Ltd.	CID003415	Cobalt	KOREA, REPUBLIC OF
Compagnie de Tifnout Tiranimine	CID003280	Cobalt	MOROCCO
Prony Resources New Caledonia	CID003303	Cobalt	NEW CALEDONIA
Uranus Chemicals	CID003473	Cobalt	TAIWAN, PROVINCE OF CHINA
Mechema Taiwan Plant 2	CID003534	Cobalt	TAIWAN, PROVINCE OF CHINA
Chemaf Etoile	CID003264	Cobalt	CONGO, DEMOCRATIC REPUBLIC OF THE
Zhuhai Kelixin Metal Materials Co., Ltd.	CID003211	Cobalt	CHINA
Tianjin Maolian Science & Technology Co., Ltd.	CID003215	Cobalt	CHINA
Jiangxi Miracle Golden Tiger Cobalt Co. Ltd.	CID004003	Cobalt	CHINA
Eti Bakir A.S	CID004057	Cobalt	TURKEY
Lianyou Resources Co., Ltd.	CID004393	Cobalt	TAIWAN, PROVINCE OF CHINA
Ganzhou Hanrui New Energy Technology Co., Ltd.	CID003671	Cobalt	CHINA
Ningbo Hubang New Material Co., Ltd.	CID003465	Cobalt	CHINA
Attero Recycling Pvt Ltd	CID004695	Cobalt	INDIA
Ecopro Materials Co., Ltd.	CID004492	Cobalt	KOREA, REPUBLIC OF
Fairsky Industrial Co., Limited	CID003469	Cobalt	CHINA
Fujian Evergreen New Energy Technology Co.	CID003974	Cobalt	CHINA
Guangdong Fangyuan New Materials Group Co., Ltd.	CID003940	Cobalt	CHINA
Guangxi CNGR New Energy Science & Technology Co., Ltd.	CID004681	Cobalt	CHINA
Guizhou Red Star Electronic Material Co., Ltd.	CID004391	Cobalt	CHINA
Hefei Rongjie Metal Technology Co., Ltd.	CID003571	Cobalt	CHINA
Hunan Brunp Recycling Technology Co., Ltd.	CID003219	Cobalt	CHINA
Hunan Jinxin New Material Holding Co., Ltd.	CID003470	Cobalt	CHINA
Hunan Shiji Yintian New Material Co., Ltd.	CID003467	Cobalt	CHINA
Impala Platinum - Base Metal Refinery (BMR)	CID004608	Cobalt	SOUTH AFRICA
Impala Platinum - Rustenburg Smelter	CID004614	Cobalt	SOUTH AFRICA
Jiangmen Chancsun Umicore Industry Co.,Ltd	CID004707	Cobalt	CHINA
Jiangxi Ruida New Energy Technology Co., Ltd.	CID003676	Cobalt	CHINA
JSC Kolskaya Mining and Metallurgical Company (Kola MMC)	CID003233	Cobalt	RUSSIAN FEDERATION
LA MINIERE DE KASOMBO SAS	CID003276	Cobalt	CONGO, DEMOCRATIC REPUBLIC OF THE
Kisanfu Mining (Kimin)	CID003587	Cobalt	CONGO, DEMOCRATIC REPUBLIC OF THE
La Compagnie de Traitement des Rejets de Kingamyambo S.A. (Metalkol S.A.)	CID003275	Cobalt	CONGO, DEMOCRATIC REPUBLIC OF THE
LLC Vostok	CID003704	Cobalt	RUSSIAN FEDERATION
Mechema Chemicals (Thailand) Co., Ltd.	CID003537	Cobalt	THAILAND
Mechema Chemicals shang-yu	CID003536	Cobalt	CHINA
Mechema Korea, Co., Ltd.	CID003535	Cobalt	KOREA, REPUBLIC OF
Mechema Taiwan Plant 1	CID003533	Cobalt	TAIWAN, PROVINCE OF CHINA
METAL MINES SARL	CID003385	Cobalt	CONGO, DEMOCRATIC REPUBLIC OF THE
MKM - La Miniere de Kalumbwe Myunga	CID003464	Cobalt	CONGO, DEMOCRATIC REPUBLIC OF THE
Nadezhda Metallurgical Plant of MMC Norilsk Nickel's Polar Division	CID004011	Cobalt	RUSSIAN FEDERATION
Nam Viet Cromit Joint Stock Company	CID004033	Cobalt	VIET NAM
Ningbo Yanmen Chemical Co., Ltd.	CID003422	Cobalt	CHINA
Philippine Bonway Manufacturing Industrial Corporation	CID004798	Cobalt	PHILIPPINES
PT Halmahera Persada Lygend	CID004802	Cobalt	INDONESIA
PT Mechema Indonesia	CID003538	Cobalt	INDONESIA
PT QMB New Energy Materials	CID004731	Cobalt	INDONESIA
Ruashi Mining SAS	CID003442	Cobalt	CONGO, DEMOCRATIC REPUBLIC OF THE
Sichuan Jayson New Energy Technology Co., Ltd.	CID004620	Cobalt	CHINA
LUILU RESSOURCES SAS	CID004691	Cobalt	CONGO, DEMOCRATIC REPUBLIC OF THE

Standard Facility Name	Facility ID	Metal	Country Location
SOCIETE MINIERE DU KATANGA (Lupoto Plant)	CID004745	Cobalt	CONGO, DEMOCRATIC REPUBLIC OF THE
Tenke Fungurume Mining SA	CID003429	Cobalt	CONGO, DEMOCRATIC REPUBLIC OF THE
Vital Materials Plant	CID003875	Cobalt	CHINA
Vital Materials Workshop	CID003803	Cobalt	CHINA
W&Q Metal Products Co., Limited	CID003640	Cobalt	CHINA
Xiangtan Huacheng Nickel Cobalt New Material Co., Ltd.	CID003466	Cobalt	CHINA
XTC New Energy Materials (Xiamen) LTD.	CID003376	Cobalt	CHINA
Henan Dulong	CID003672	Cobalt	CHINA
GanZhou Yihao Umicore Industries Co., Ltd	CID003227	Cobalt	CHINA
CV Venus Inti Perkasa	CID002455	Tin	INDONESIA
DS Myanmar	CID003831	Tin	MYANMAR
PT Aries Kencana Sejahtera	CID000309	Tin	INDONESIA
PT Artha Cipta Langgeng	CID001399	Tin	INDONESIA
PT Babel Inti Perkasa	CID001402	Tin	INDONESIA
PT Babel Surya Alam Lestari	CID001406	Tin	INDONESIA
PT Bangka Tin Industry	CID001419	Tin	INDONESIA
PT Bangka Serumpun	CID003205	Tin	INDONESIA
PT Belitung Industri Sejahtera	CID001421	Tin	INDONESIA
PT Bukit Timah	CID001428	Tin	INDONESIA
PT Menara Cipta Mulia	CID002835	Tin	INDONESIA
PT Rajawali Rimba Perkasa	CID003381	Tin	INDONESIA
PT Sariwiguna Binasentosa	CID001463	Tin	INDONESIA
PT Stanindo Inti Perkasa	CID001468	Tin	INDONESIA
PT Sukses Inti Makmur (SIM)	CID002816	Tin	INDONESIA
PT Timah Nusantara	CID001486	Tin	INDONESIA
PT Tommy Utama	CID001493	Tin	INDONESIA
PT Tinindo Inter Nusa	CID001490	Tin	INDONESIA
Zhuzhou Cemented Carbide Group Co., Ltd.	CID002232	Tantalum	CHINA
Nanchang Cemented Carbide Limited Liability Company	CID001227	Tantalum	CHINA
Soft Metais Ltda.	CID001758	Tin	BRAZIL
PT Panca Mega Persada	CID001457	Tin	INDONESIA
PT Tirus Putra Mandiri	CID002478	Tin	INDONESIA
CNMC (Guangxi) PGMA Co., Ltd.	CID000278	Tin	CHINA
Elemetal Refining, LLC	CID001322	Gold	UNITED STATES OF AMERICA
Schoene Edelmetaal B.V.	CID001573	Gold	NETHERLANDS
Plansee SE Liezen	CID002540	Tantalum	AUSTRIA
PT Mitra Graha Raya	CID004685	Tin	INDONESIA
Inca One (Chala One Plant)	CID004704	Gold	PERU
Inca One (Koricancha Plant)	CID004705	Gold	PERU
Impala Platinum - Base Metal Refinery (BMR)	CID004604	Gold	SOUTH AFRICA
Impala Platinum - Rustenburg Smelter	CID004610	Gold	SOUTH AFRICA
Shu Powders Ltd.	CID003309	Cobalt	SOUTH AFRICA
Mutanda Mining SPRL	CID003301	Cobalt	CONGO, DEMOCRATIC REPUBLIC OF THE
Chambishi Metals, PLC	CID003286	Cobalt	Zambia
KP Sanghvi International Pvt Ltd	CID004433	Gold	INDIA
CMT Rare Metal Advanced Materials (Hunan) Co., Ltd.	CID004431	Tantalum	CHINA
Kemet Blue Powder	CID000964	Gold	UNITED STATES OF AMERICA
Exotech Inc.	CID000458	Tin	UNITED STATES OF AMERICA
Elemetal Refining, LLC	CID001323	Tin	UNITED STATES OF AMERICA

Standard Facility Name	Facility ID	Metal	Country Location
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Umicore SA Business Unit Precious Metals Refining	CID001981	Tin	BELGIUM
Duoluoshan	CID000413	Tungsten	CHINA
PT Timah Tbk	CID002772	Tin	INDONESIA
Rio Tinto Group	CID002914	Gold	Unknown
Metallum Group Holding NV	CID001143	Tin	BELGIUM
Global Advanced Metals	CID000564	Tantalum	UNITED STATES OF AMERICA
KEMET Corp.	CID000963	Tantalum	UNITED STATES OF AMERICA
Plansee	CID001370	Tin	AUSTRIA
China Minmetals Non-ferrous Metals Holding Co., Ltd.	CID000239	Tungsten	CHINA
China National Nonferrous Metals Imp. & Exp. Jiangxi Co., Ltd.	CID002864	Tungsten	CHINA
Ganzhou Grand Sea W & Mo Group Co., Ltd.	CID000524	Tungsten	CHINA
Zhuzhou Cemented Carbide Group Co., Ltd.	CID002236	Tungsten	CHINA
ULVAC Inc.	CID002861	Tantalum	JAPAN
Rian Resources SDN. BHD.	CID003581	Tin	MALAYSIA
Sanher Tungsten Vietnam Co., Ltd.	CID002538	Tungsten	VIET NAM
TRATHO Metal Quimica	CID003474	Tin	BRAZIL
Exotech Inc.	CID000456	Tantalum	UNITED STATES OF AMERICA
Guangxi Nonferrous Metals Group	CID000626	Tin	CHINA
Ma An Shan Shu Guang Smelter Corp.	CID001098	Tin	CHINA
Metahub Industries Sdn. Bhd.	CID001136	Tin	MALAYSIA
Minchali Metal Industry Co., Ltd.	CID001172	Tin	TAIWAN, PROVINCE OF CHINA
Ming Li Jia smelt Metal Factory	CID001177	Tin	CHINA
Ney Metals and Alloys	CID001246	Tin	Unknown
Shan Tou Shi Yong Yuan Jin Shu Zai Sheng Co., Ltd.	CID001606	Tin	CHINA
Shenzhen Hong Chang Metal Manufacturing Factory	CID001694	Tin	CHINA
Suzhou Nuonengda Chemical Co., Ltd.	CID001822	Tin	CHINA
Taicang City Nancang Metal Material Co., Ltd.	CID001845	Tin	CHINA
Top-Team Technology (Shenzhen) Ltd.	CID001954	Tin	CHINA
XURI	CID002099	Tin	CHINA
Yifeng Tin	CID002121	Tin	CHINA
Yuecheng Tin Co., Ltd.	CID002147	Tin	CHINA
Zhongshan Jinye Smelting Co.,Ltd	CID002220	Tin	Unknown
GUANGXI HUA TIN GOLD MINUTE FEE, LTD.	CID002274	Tin	CHINA
Yunnan Malipo Baiyi Kuangye Co.	CID002309	Tin	CHINA
Hongqiao Metals (Kunshan) Co., Ltd.	CID002635	Tin	CHINA
Chofu Works	CID002786	Tin	CHINA
Xianghualing Tin Industry Co., Ltd.	CID002946	Tin	
PT Masbro Alam Stania	CID003380	Tin	INDONESIA
Jiujiang Janny New Material Co., Ltd.	CID003191	Tantalum	CHINA
ARY Aurum Plus	CID002596	Gold	UNITED ARAB EMIRATES
TSK Pretech	CID003195	Gold	KOREA, REPUBLIC OF
Nyrstar	CID001313	Gold	UNITED STATES OF AMERICA
Universal Precious Metals Refining Zambia	CID002854	Gold	ZAMBIA
Wuzhong Group	CID002063	Gold	CHINA
Yunnan Gold Mining Group Co., Ltd. (YGMG)	CID002491	Gold	CHINA
Zhongshan Poison Material Proprietary Co., Ltd.	CID002221	Gold	CHINA
CP Metals Inc.	CID003402	Tantalum	UNITED STATES OF AMERICA
Mitsui Mining and Smelting Co., Ltd.	CID001194	Tin	JAPAN
Mitsubishi Materials Corporation	CID001189	Tantalum	JAPAN

Standard Facility Name	Facility ID	Metal	Country Location
RFH Recycling Metals Co., Ltd.	CID003159	Tantalum	CHINA
V&D New Materials (Jiangsu) Co., Ltd.	CID003498	Tantalum	CHINA
Ganzhou Sunny Non-Ferrous Metals Co., Ltd.	CID003580	Tungsten	CHINA
Baoji Towin Rare Metals Co., Ltd.	CID003972	Tantalum	CHINA
Avon Specialty Metals Ltd.	CID002705	Tantalum	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND
Avon Specialty Metals Ltd.	CID002704	Tungsten	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND
Plansee Composite Materials GmbH	CID004068	Tungsten	GERMANY
XIMEI RESOURCES(GUIZHOU) TECHNOLOGY CO., LTD.	CID003973	Tantalum	CHINA
H.C. Starck GmbH	CID000654	Tantalum	GERMANY
Societe pour le Traitement du Terril de Lubumbashi (STL)	CID003266	Cobalt	CONGO, DEMOCRATIC REPUBLIC OF THE
SOCIETE MINIERE DU KATANGA (Kipushi Plant)	CID003426	Cobalt	CONGO, DEMOCRATIC REPUBLIC OF THE
Zhejiang Power New Energy Materials Co., Ltd.	CID003702	Cobalt	CHINA
Falconbridge Ltd.	CID003723	Cobalt	CANADA
Specialty Metals Resources Ltd.	CID003726	Cobalt	HONG KONG
Excellen Minerals SARL	CID004686	Cobalt	CONGO, DEMOCRATIC REPUBLIC OF THE
STE CONGO DONGFANG INTERNATIONAL MINING SAS	CID003430	Cobalt	CONGO, DEMOCRATIC REPUBLIC OF THE
Jervois Finland OY	CID003472	Cobalt	FINLAND
Coral Bay Nickel Corporation (CBNC)	CID003282	Cobalt	PHILIPPINES
Taganito HPAL Nickel Corporation (THPAL)	CID003283	Cobalt	PHILIPPINES
Katanga Mining	CID003721	Cobalt	CONGO, DEMOCRATIC REPUBLIC OF THE
Jinchuan Group	CID003492	Cobalt	CHINA
Shaoguan Zhonghong Metal Industrial Co., Ltd.	CID003494	Cobalt	CHINA
Vale Canada	CID003559	Cobalt	CANADA
Mitsui & Co.	CID003724	Cobalt	JAPAN
Chemaf Usoke	CID003423	Cobalt	CONGO, DEMOCRATIC REPUBLIC OF THE
Plansee SE	CID001368	Multiple	AUSTRIA
Plansee SE Reutte	CID002556	Multiple	AUSTRIA
CV United Smelting	CID000315	Tin	INDONESIA
Jiangxi Ketai Advanced Material Co., Ltd.	CID000244	Tin	CHINA
PT DS Jaya Abadi	CID001434	Tin	INDONESIA
PT Eunindo Usaha Mandiri	CID001438	Tin	INDONESIA
PT Inti Stania Prima	CID002530	Tin	INDONESIA
Al Ghaith Gold	CID002899	Gold	UNITED ARAB EMIRATES
C.I Metales Procesados Industriales SAS	CID003421	Gold	COLOMBIA
DODUCO Contacts and Refining GmbH	CID000362	Gold	GERMANY
Geib Refining Corp.	CID002459	Gold	UNITED STATES OF AMERICA
Guangdong Hua Jian Trade Co., Ltd.	CID000605	Gold	CHINA
guang dong jin xian gao xin cai liao gong si	CID000593	Gold	CHINA
Hang Seng Technology	CID000670	Gold	CHINA
Henan Yuguang Gold & Lead Co., Ltd.	CID002519	Gold	CHINA
House of Currency of Brazil (Casa da Moeda do Brazil)	CID002601	Gold	BRAZIL
Hung Cheong Metal Manufacturing Limited	CID002904	Gold	CHINA
Shandong Jin Jinyin Refining Ltd.	CID002293	Gold	CHINA
Jinlong Copper Co., Ltd.	CID000909	Gold	CHINA
Realized the Enterprise Co., Ltd.	CIDAU0000	Gold	
Sancus ZFS (L'Orfebre, SA)	CID003529	Gold	COLOMBIA
SAXONIA Edelmetalle GmbH	CID002777	Gold	GERMANY

Standard Facility Name	Facility ID	Metal	Country Location
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Sellem Industries Ltd.	CID003540	Gold	MAURITANIA
Shan Tou Shi Yong Yuan Jin Shu Zai Sheng Co., Ltd.	CID001605	Gold	CHINA
Shandong Hengbang Smelter Co., Ltd.	CID001612	Gold	CHINA
Shandong penglai gold smelter	CID001616	Gold	Unknown
Shandong Yanggu Xiangguang Co., Ltd.	CID002614	Gold	CHINA
Shenzhen Heng Zhong Industry Co., Ltd.	CID001692	Gold	CHINA
Sino-Platinum Metals Co., Ltd.	CID001745	Gold	CHINA
SuZhou ShenChuang recycling Ltd.	CID002743	Gold	Unknown
TAIWAN TOTAI CO., LTD.	CID001857	Gold	Unknown
Tsai Brother industries	CID002745	Gold	Unknown
Value Trading	CID003617	Gold	BELGIUM
Viagra Di precious metals (Zhaoyuan) Co., Ltd.	CID002009	Gold	CHINA
Xiamen Jinbo Metal Co., Ltd.	CID002076	Gold	Unknown
Zhaojun Maifu	CID002201	Gold	Unknown
Zhe Jiang Guang Yuan Noble Metal Smelting Factory	CID002205	Gold	CHINA
Zhongkuang Gold Industry Co., Ltd.	CID002214	Gold	CHINA
Zhongshan Hyper-Toxic Substance Monopolized Co., Ltd.	CID002219	Gold	CHINA
Zhuhai toxic materials Monopoly Ltd.	CID002231	Gold	CHINA
Zhuzhou Smelting Group Co., Ltd	CID002529	Gold	CHINA
ANHUI HERRMAN IMPEX CO.	CID000059	Tantalum	CHINA
Chongyi Zhangyuan Tungsten Co., Ltd.	CID000261	Tantalum	CHINA
Gannon & Scott	CID000520	Tantalum	UNITED STATES OF AMERICA
Malaysia Smelting Corporation (MSC)	CID001108	Tantalum	MALAYSIA
Materion	CID001115	Tantalum	UNITED STATES OF AMERICA
Rui Da Hung	CID001541	Tantalum	TAIWAN, PROVINCE OF CHINA
Shanghai Jiangxi Metals Co., Ltd.	CID001634	Tantalum	CHINA
Taike Technology (Suzhou) Co.,Ltd.	CID002566	Tantalum	CHINA
Dongguan City Xida Soldering Tin Products Co.	CID000376	Tin	CHINA
Dragon Silver Holdings Limited	CID003579	Tin	CHINA
Gejiu Yunxi Group Corp.	CID000553	Tin	CHINA
Guangxi Zhongshan Jin Yi Smelting Co., Ltd.	CID000628	Tin	CHINA
Hezhou Jinwei Tin Co., Ltd.	CID000720	Tin	CHINA
Jiang Jia Wang Technology Co.	CIDSN0000	Tin	
Jiang Xi Jia Wang Technology Tin Products Environmental Ltd.	CID000841	Tin	CHINA
Jiangxi Yaosheng Tungsten Co., Ltd.	CID002819	Tin	CHINA
LIAN JING	CID002281	Tin	CHINA
Materials Eco-Refining Co., Ltd.	CID001112	Tin	JAPAN
OMODEO A. E S. METALLEGHE SRL	CID003395	Tin	
Shangrao Xuri Smelting Factory	CID001648	Tin	CHINA
Sichuan Guanghan Jiangnan casting smelters	CID001731	Tin	CHINA
Sigma Tin Alloy Co., Ltd.	CID002408	Tin	CHINA
Tai Perng	CID001841	Tin	Unknown
Taiwan Huanliang	CID001852	Tin	Unknown
Thai Nguyen Mining and Metallurgy Co., Ltd.	CID002834	Tin	VIET NAM
TIN PLATING GEJIU	CID001932	Tin	CHINA
WUJIANG CITY LUXE TIN FACTORY	CID002057	Tin	CHINA
Xiamen Honglu Tungsten Molybdenum Co., Ltd.	CID002428	Tin	Unknown
Xin Furukawa Metal (Wuxi) Co., Ltd.	CID002090	Tin	CHINA
Yunnan Chengo Electric Smelting Plant	CID002162	Tin	CHINA

Standard Facility Name	Facility ID	Metal	Country Location
Yunnan Copper Zinc Industry Co., Ltd.	CID002164	Tin	CHINA
Yunnan Geiju Smelting Corp.	CID002166	Tin	Unknown
Yunnan Industrial Co., Ltd.	CID002173	Tin	CHINA
Ganzhou Beseem Ferrotungsten Co., Ltd.	CID002644	Tungsten	CHINA
KGETS Co., Ltd.	CID003388	Tungsten	KOREA, REPUBLIC OF
Materion	CID001116	Tungsten	UNITED STATES OF AMERICA
Minmetals Ganzhou Tin Co. Ltd.	CID001181	Tungsten	CHINA
Mitsui Mining and Smelting Co., Ltd.	CID001195	Tungsten	JAPAN
Ningxia Orient Tantalum Industry Co., Ltd.	CID001280	Tungsten	CHINA
PT Stanindo Inti Perkasa	CID001470	Tungsten	INDONESIA
Solar Applied Materials Technology Corp.	CID001764	Tungsten	TAIWAN, PROVINCE OF CHINA
Sumitomo Metal Mining Co., Ltd.	CID001801	Tungsten	JAPAN
Thaisarco	CID001901	Tungsten	THAILAND
Tungsten Diversified Industries LLC	CIDW00000	Tungsten	
Zhangzhou Chuen Bao Apt Smeltery Co., Ltd.	CID002195	Tungsten	CHINA
Zhuzhou Cemented Carbide	CID002235	Tungsten	CHINA
The Ambatovy	CID003302	Multiple	MADAGASCAR



