

2025年仁寶電腦衝突礦產報告書

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1. 公司簡介

仁寶電腦成立於1984年，以專業的經營團隊和堅強的研發實力，由電腦週邊製造廠，發展成目前的規模。為滿足客戶 從設計製造到整合應用一次到位之需求，所設計製造之產品涵蓋筆記型和桌上型電腦，物聯網、穿戴式裝置、行動裝置、醫療保健、車用電子、伺服器與資訊處理系統、智慧顯示產品、網路通訊，並將產品加以整合，投入 IOT 應用，以智慧家庭、智慧車載為服務目標，致力成為整體性解決方案提供者。此外仁寶將從持續改善運營、供應鏈和研發能力著手，通過數位化、自動化和創新設計恢復運營成本競爭力，提高生產效率和質量，降低能源的使用及對環境的影響，並注重供應鏈環境及人權相關議題，將永續發展融入研發和量產過程，實現綠色低碳製造的目標，邁向永續發展的未來。



2. 定義

- 2.1 RMI: 責任礦產倡議(Responsible Mineral Initiative)。
- 2.2 RBA: 責任商業聯盟(Responsible Business Alliance, RBA)。
- 2.3 RMAP: 負責任礦產保證流程(Responsible Minerals Assurance Process)。
- 2.4 RCOI: 合理礦產來源國調查(Reasonable Country of Origin Inquiry)。
- 2.5 CMRT: 衝突礦產調查表(Conflict Minerals Report Template, CMRT)。
- 2.6 EMRT: 擴展礦產報告模板(Extended Minerals Reporting Template)。
- 2.7 AMRT: 附加礦產報告模板 (Additional Minerals Reporting Template)
- 2.8 3TG: 意指鈮(Tantalum)、錫(Tin)、鎢(Tungsten)、金(Gold)。
- 2.9 OECD: 經濟合作暨發展組織(Organization for Economic Cooperation and Development)。
- 2.10 LBMA: 倫敦金銀市場協會(London Bullion Market Association, LBMA)。
- 2.11 RJC: 責任珠寶委員會 (Responsible Jewelry Council, RJC)。
- 2.12 Covered country: 毗鄰國家指剛果民主共和國鄰近之安哥拉、蒲隆地、中非共和國、剛果共和國、盧安達、南蘇丹、坦尚尼亞、烏干達、尚比亞等國。

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3. 仁寶電腦衝突礦產概況

仁寶身為責任商業聯盟(RBA)成員，當應善盡企業社會之責任，除了從自身做起遵照RBA之行為規範之外，因現有產業需求，多數電子產品功能運作材料會使用到鈹(Ta)、錫(Sn)、鎢(W)、金(Au)、鈷(Co)及雲母礦產，例如：IC(鈹)、電容(錫)、相機(鎢)、天線(金)、石英振盪器及鍵盤(鈷)，觸控板(雲母)等材料。2025年我們擴大盡職調查範圍，納入擴展礦物報告模板Extended Minerals Reporting Template (以下簡稱EMRT) 之新調查礦物 銅(Cu)、天然石墨(Natural Graphite)、鋰(Li)及鎳(Ni)礦物。為因應指定客戶需求部分供應商發放附加礦物報告模板Additional Minerals Reporting Template (以下簡稱AMRT)試運行調查，以進一步提升供應鏈中其他礦物的透明度。為確保採購礦物符合非衝突礦產，仁寶制定無衝突礦產採購政策，積極主動調查礦物、冶煉廠來源，也會與內部相關單位及供應商確認使用衝突礦產的原因及必要性，若為非必要即要求供應商逐步減少採購或採購替代礦產，停止使用衝突礦產。為宣導供應商共同重視衝突礦產議題，仁寶依循經濟合作暨發展組織(OECD)發布之「受衝突影響地區和高風險地區礦產供應鏈的盡職調查指導方針」的盡職調查架構，制定仁寶衝突礦產調查管理流程制定《供應商衝突礦產管理程序文件》及發佈政策。仁寶依循責任礦產倡議組織(RMI)最新發布之CMRT (Conflict Minerals Reporting Template) 與EMRT (Extended Minerals Reporting Template) 標準調查表，對供應商夥伴展開調查提升資料回收一致性與冶煉廠合規性識別準確度，並要求供應商必須簽署並承諾不使用上述受武裝團體控制的礦區所開採、銷售之金屬。

此外，為提升供應鏈管理效率並落實即時監控，內部優化調查流程與資料追蹤功能。透過系統化管理，可定期自動化發送調查表單、監控回覆狀態，並搭配不定期人工追蹤機制，強化與供應商的溝通頻率與即時性。一旦發現有高風險冶煉廠或非認可來源，我們可即時聯繫供應商進行澄清與改善，確保冶煉廠來源符合RMAP (Responsible Minerals Assurance Process) 等國際標準，期望透過產業供應鏈之自我要求與約束，對衝突礦產議題產生正面的影響。

此報告期間涵蓋2025年1月1日至2025年12月31日仁寶對於供應商衝突礦產管理成果，並定期審視RMI發布合格冶煉廠名單，確保冶煉廠的合規性。

4. 礦產來源國調查

仁寶電腦為進行礦產來源國(RCOI)盡職調查，展開以下程序全面調查供應商生產並銷售給仁寶之產品且內含有鈹(Ta)、錫(Sn)、鎢(W)、金(Au)、鈷(Co)及雲母礦物所涉及的國家來源，衝突礦產地地區特別發生在剛果民主共和國(“DRC”)及其毗鄰國家(“Covered country”)產出礦產。為確保仁寶所使用之礦物未來自武裝衝突地區，使用RMI建立CMRT及EMRT模板調查供應商使用冶煉廠來源國，調查範圍涵蓋直接交易之供應商。2025年總共調查749家，回收率100%。合格冶煉廠或精煉廠名單參考RMI官網公告，鼓勵冶煉廠及精煉廠取得OECD盡責調查認可的第三方機制，包含RMI責任礦產認證程序(RMAP)，LBMA，RJC認證，仁寶冶煉廠主要位於亞洲，次為美洲。

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5. 仁寶衝突礦產盡職調查管理流程

仁寶電腦依據OECD《來自衝突影響及高風險地區礦產供應鏈的盡職調查指引》五大步驟，建立並持續優化衝突礦產盡職調查流程，涵蓋鈹、錫、鎢、金 (3TG) 及鈷、雲母等高風險礦產，以確保供應鏈透明、負責任且符合法規要求。



5.1 建立管理系統

仁寶衝突礦產管理由ESG辦公室、採購-永續供應鏈專案管理部及綠色產品團隊跨部門執行盡職調查。採購部門負責供應商對接，要求簽署不使用衝突礦產承諾書及資料收集；ESG辦公室配合客戶需求提供相關資訊與報告彙整；綠色產品團隊負責確認產品全物質宣告。衝突礦產盡職調查透過線上問卷平台定期採用 RMI 最新版 CMRT 與 EMRT 問卷進行數據收集與供應商盡職調查，深化供應鏈管理與資訊透明度，以滿足客戶及法規要求。同時，仁寶2016年起制定衝突礦產政策，公開於ESG官網。

仁寶衝突礦產政策

1. 不購買從衝突地區來的衝突礦物。
2. 制定衝突礦產政策，強烈要求供應商提供的原物料中不得間接或直接使用衝突礦產，必須遵循無衝突礦物的要求。
3. 期望供應商全面使用受到認可的合格冶煉廠或要求現有的冶煉廠進行相關驗證，如發現供應商之產品中有使用衝突礦產時，將採取必要措施停止使用該等衝突礦產。

更多細節可參考仁寶衝突礦產政策：

https://www.compall.com/esg/media/uploads/%E8%A1%9D%E7%AA%81%E7%A4%A6%E7%94%A2%E6%94%BF%E7%AD%96_jAB3q0q.pdf

仁寶建立完善內部與外部利害關係人申訴與溝通機制。凡涉及衝突礦產或其他永續議題，皆可透過官網

(<https://www.compall.com/zh-hant/stakeholder-communication-area/>) 或發信至專用信箱 (ethics@compall.com) 進行聯繫。

5.2 辨識及評估風險

每年透過CMRT/EMRT調查問卷鑑別供應商3TG以及鈷、雲母、銅、天然石墨、鋰、鎳等擴展礦物之冶煉廠來源，亦要求供應

商簽署宣告書確認遵守仁寶衝突礦產政策，並於調查後持續追蹤責任礦物倡議RMI合格冶煉廠名單，積極評估和管理供應鏈，以確保供應鏈之礦產不使用來自於武裝衝突地區的衝突礦物，並不定期配合RMI合格冶煉廠名單更新給終端客戶，確保客戶的產品不受到衝突礦產的負面影響。

5.3 執行風險應對策略

仁寶採取以下積極措施確保供應鏈之礦產安全

1. 要求供應商簽署宣告書確認遵守衝突礦產政策。
2. 積極響應RMI計畫，並於採購系統和年度供應商大會中宣導RMI重要更新事項。
3. 搭配RMI所公布之最新冶煉廠名單，定期檢視供應商，一經發現不合規冶煉廠，即發送《不合規冶煉廠或資訊不正確通知》，要求供應商期限內回覆改善，並建議停止使用衝突礦產，重新選擇新的礦產來源，若供應商無法提出改善措施，將討論減少該供應商之新專案接案數，或減少現有採購量，情節嚴重者於合規供應商名單中剔除。
4. 與大多數供應商建立長期的合作關係，以提高法規遵從性。

5.4 第三方稽核

仁寶鼓勵供應商與已通過RMAP或其他同等之獨立第三方稽核計畫檢驗所認可的非衝突冶煉廠進行採購，並鼓勵供應商提供相關驗證。

5.5 揭露

仁寶於2025年針對749間供應商進行衝突礦產調查，設定問卷回收率100%的目標並達標，根據問卷填答內容檢視供應商，包含礦物、冶煉廠名稱和來源國家，以利掌握礦物來源管理和追蹤，並揭露將冶煉廠清單提供給客戶及仁寶ESG官網。

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6. 未來展望

仁寶將持續關注責任礦產管理發展趨勢及客戶需求，因應關注礦物範圍逐步擴展至鋁等更多關鍵金屬，持續評估並完善相關管理機制。仁寶將持續優化問卷管理系統，強化供應商提交資料自動化檢核及比對功能，以提升資料品質與管理效率；同時持續追蹤冶煉廠合規狀態，並透過供應商溝通，提升供應鏈礦物來源透明度及可追溯性，落實衝突礦產盡職調查管理。

7. 冶煉廠與精煉廠清單

以下是仁寶供應商回覆的所有冶煉廠與精煉廠清單，依據2026年4月07日RMI公告之最新合格冶煉廠名單進行檢視。

仁寶電腦將根據最新狀況更新以下名單，最新3TG冶煉廠公告清單，請至RMI責任礦產倡議組織網站查看：

<https://www.responsiblemineralsinitiative.org/facilities-lists/public-list/>

Metal	Total Smelters and Refiners	% Conformant
Tantalum	31	100%
Tin	47	100%
Gold	87	100%
Tungsten	31	100%
Cobalt	54	100%
Mica	5	100%
Copper	14	100%
Lithium	10	100%
Nickel	19	100%
Overall Total	298	100%

Metal	Smelter or Refiner Facility Name	Country
Gold	Metalor Technologies (Singapore) Pte., Ltd.	SINGAPORE
Gold	Metalor Technologies (Hong Kong) Ltd.	CHINA
Gold	Tanaka Kikinzoku Kogyo K.K.	JAPAN
Gold	Metalor Technologies (Suzhou) Ltd.	CHINA
Gold	United Precious Metal Refining, Inc.	UNITED STATES OF AMERICA
Gold	Heraeus Metals Hong Kong Ltd.	CHINA
Gold	Asaka Riken Co., Ltd.	JAPAN
Gold	Metalurgica Met-Mex Penoles S.A. De C.V.	MEXICO
Gold	Royal Canadian Mint	CANADA
Gold	Zhongyuan Gold Smelter of Zhongjin Gold Corporation	CHINA
Gold	Metalor Technologies S.A.	SWITZERLAND
Gold	Metalor USA Refining Corporation	UNITED STATES OF AMERICA
Gold	Aurubis AG	GERMANY
Gold	C. Hafner GmbH + Co. KG	GERMANY
Gold	Chimet S.p.A.	ITALY
Gold	Dowa	JAPAN
Gold	Heimerle + Meule GmbH	GERMANY
Gold	Heraeus Germany GmbH Co. KG	GERMANY
Gold	Ishifuku Metal Industry Co., Ltd.	JAPAN
Gold	Jiangxi Copper Co., Ltd.	CHINA
Gold	JX Nippon Mining & Metals Co., Ltd.	JAPAN
Gold	Kojima Chemicals Co., Ltd.	JAPAN
Gold	LS MnM Inc.	KOREA, REPUBLIC OF
Gold	Matsuda Sangyo Co., Ltd.	JAPAN
Gold	Mitsubishi Materials Corporation	JAPAN
Gold	Mitsui Mining and Smelting Co., Ltd.	JAPAN
Gold	Nihon Material Co., Ltd.	JAPAN

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Metal	Smelter or Refiner Facility Name	Country
Gold	Ohura Precious Metal Industry Co., Ltd.	JAPAN
Gold	MKS PAMP SA	SWITZERLAND
Gold	SEMPSA Joyeria Plateria S.A.	SPAIN
Gold	Sichuan Tianze Precious Metals Co., Ltd.	CHINA
Gold	Solar Applied Materials Technology Corp.	TAIWAN, PROVINCE OF CHINA
Gold	Sumitomo Metal Mining Co., Ltd.	JAPAN
Gold	Tokuriki Honten Co., Ltd.	JAPAN
Gold	Umicore S.A. Business Unit Precious Metals Refining	BELGIUM
Gold	Western Australian Mint (T/a The Perth Mint)	AUSTRALIA
Gold	SAFINA A.S.	CZECHIA
Gold	WIELAND Edelmetalle GmbH	GERMANY
Gold	Aida Chemical Industries Co., Ltd.	JAPAN
Gold	Agosi AG	GERMANY
Gold	Argor-Heraeus S.A.	SWITZERLAND
Gold	ASAHI METALFINE, Inc.	JAPAN
Gold	Asahi Refining USA Inc.	UNITED STATES OF AMERICA
Gold	Eco-System Recycling Co., Ltd. East Plant	JAPAN
Gold	Asahi Refining Canada Ltd.	CANADA
Gold	Gold by Gold Colombia	COLOMBIA
Gold	Coimpa Industrial LTDA	BRAZIL
Gold	GG Refinery Ltd.	TANZANIA, UNITED REPUBLIC OF
Gold	Almalyk Mining and Metallurgical Complex (AMMC)	UZBEKISTAN
Gold	AngloGold Ashanti Corrego do Sitio Mineracao	BRAZIL
Gold	Bangko Sentral ng Pilipinas (Central Bank of the Philippines)	PHILIPPINES
Gold	Boliden Ronnskar	SWEDEN
Gold	CCR Refinery - Glencore Canada Corporation	CANADA
Gold	Chugai Mining	JAPAN

Metal	Smelter or Refiner Facility Name	Country
Gold	DSC (Do Sung Corporation)	KOREA, REPUBLIC OF
Gold	LT Metal Ltd.	KOREA, REPUBLIC OF
Gold	Inner Mongolia Qiankun Gold and Silver Refinery Share Co., Ltd.	CHINA
Gold	Istanbul Gold Refinery	TURKEY
Gold	Japan Mint	JAPAN
Gold	Kazzinc	KAZAKHSTAN
Gold	Kennecott Utah Copper LLC	UNITED STATES OF AMERICA
Gold	Materion	UNITED STATES OF AMERICA
Gold	Nadir Metal Rafineri San. Ve Tic. A.S.	TURKEY
Gold	Navoi Mining and Metallurgical Combinat	UZBEKISTAN
Gold	PT Aneka Tambang (Persero) Tbk	INDONESIA
Gold	PX Precinox S.A.	SWITZERLAND
Gold	Rand Refinery (Pty) Ltd.	SOUTH AFRICA
Gold	Valcambi S.A.	SWITZERLAND
Gold	Yamakin Co., Ltd.	JAPAN
Gold	Yokohama Metal Co., Ltd.	JAPAN
Gold	MMTC-PAMP India Pvt., Ltd.	INDIA
Gold	KGHM Polska Miedz Spolka Akcyjna	POLAND
Gold	T.C.A S.p.A	ITALY
Gold	REMONDIS PMR B.V.	NETHERLANDS
Gold	Korea Zinc Co., Ltd.	KOREA, REPUBLIC OF
Gold	TOO Tau-Ken-Altyn	KAZAKHSTAN
Gold	Abington Reldan Metals, LLC	UNITED STATES OF AMERICA
Gold	Italpreziosi	ITALY
Gold	SungEel HiMetal Co., Ltd.	KOREA, REPUBLIC OF
Gold	Planta Recuperadora de Metales SpA	CHILE
Gold	NH Recytech Company	KOREA, REPUBLIC OF

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Metal	Smelter or Refiner Facility Name	Country
Gold	Eco-System Recycling Co., Ltd. North Plant	JAPAN
Gold	Eco-System Recycling Co., Ltd. West Plant	JAPAN
Gold	Metal Concentrators SA (Pty) Ltd.	SOUTH AFRICA
Gold	Elite Industech Co., Ltd.	TAIWAN, PROVINCE OF CHINA
Gold	Impala Platinum - Platinum Metals Refinery (PMR)	SOUTH AFRICA
Gold	Advanced Chemical Company	UNITED STATES OF AMERICA
Tantalum	F&X Electro-Materials Ltd.	CHINA
Tantalum	JiuJiang JinXin Nonferrous Metals Co., Ltd.	CHINA
Tantalum	Jiujiang Tanbre Co., Ltd.	CHINA
Tantalum	Metallurgical Products India Pvt., Ltd.	INDIA
Tantalum	Mitsui Mining and Smelting Co., Ltd.	JAPAN
Tantalum	Ningxia Orient Tantalum Industry Co., Ltd.	CHINA
Tantalum	Yanling Jincheng Tantalum & Niobium Co., Ltd.	CHINA
Tantalum	Ulba Metallurgical Plant JSC	KAZAKHSTAN
Tantalum	D Block Metals, LLC	UNITED STATES OF AMERICA
Tantalum	FIR Metals & Resource Ltd.	CHINA
Tantalum	Jiujiang Zhongao Tantalum & Niobium Co., Ltd.	CHINA
Tantalum	TANIOBIS Co., Ltd.	THAILAND
Tantalum	TANIOBIS GmbH	GERMANY
Tantalum	Materion Newton Inc.	UNITED STATES OF AMERICA
Tantalum	TANIOBIS Japan Co., Ltd.	JAPAN
Tantalum	TANIOBIS Smelting GmbH & Co. KG	GERMANY
Tantalum	Global Advanced Metals Boyertown	UNITED STATES OF AMERICA
Tantalum	Global Advanced Metals Aizu	JAPAN
Tantalum	Jiangxi Tuohong New Raw Material	CHINA
Tantalum	XIMEI RESOURCES (GUANGDONG) LIMITED	CHINA
Tantalum	AMG Brasil	BRAZIL

Metal	Smelter or Refiner Facility Name	Country
Tantalum	Mineracao Taboca S.A.	BRAZIL
Tantalum	NPM Silmet AS	ESTONIA
Tantalum	Taki Chemical Co., Ltd.	JAPAN
Tantalum	Telex Metals	UNITED STATES OF AMERICA
Tantalum	Hengyang King Xing Lifeng New Materials Co., Ltd.	CHINA
Tantalum	Jiangxi Dinghai Tantalum & Niobium Co., Ltd.	CHINA
Tantalum	KEMET de Mexico	MEXICO
Tantalum	Resind Industria e Comercio Ltda.	BRAZIL
Tantalum	Guangdong Rising Rare Metals-EO Materials Ltd.	CHINA
Tantalum	PowerX Ltd.	RWANDA
Tin	China Tin Group Co., Ltd.	CHINA
Tin	Tin Smelting Branch of Yunnan Tin Co., Ltd.	CHINA
Tin	Minsur	PERU
Tin	Metallic Resources, Inc.	UNITED STATES OF AMERICA
Tin	Mitsubishi Materials Corporation	JAPAN
Tin	Aurubis Beerse	BELGIUM
Tin	Guangdong Hanhe Non-Ferrous Metal Co., Ltd.	CHINA
Tin	PT Timah Tbk Mentok	INDONESIA
Tin	PT Mitra Stania Prima	INDONESIA
Tin	Mineracao Taboca S.A.	BRAZIL
Tin	Dowa	JAPAN
Tin	Thaisarco	THAILAND
Tin	EM Vinto	BOLIVIA(PLURINATION AL STATE OF)
Tin	Chenzhou Yunxiang Mining and Metallurgy Co., Ltd.	CHINA
Tin	Super Ligas	BRAZIL
Tin	Aurubis Berango	SPAIN
Tin	Chifeng Dajingzi Tin Industry Co., Ltd.	CHINA

Metal	Smelter or Refiner Facility Name	Country
Tin	Tin Technology & Refining	UNITED STATES OF AMERICA
Tin	Luna Smelter, Ltd.	RWANDA
Tin	PT Mitra Sukses Globalindo	INDONESIA
Tin	CRM Synergies	SPAIN
Tin	Malaysia Smelting Corporation Berhad (Port Klang)	MALAYSIA
Tin	Alpha Assembly Solutions Inc	UNITED STATES OF AMERICA
Tin	Fenix Metals	POLAND
Tin	Gejiu Non-Ferrous Metal Processing Co., Ltd.	CHINA
Tin	O.M. Manufacturing (Thailand) Co., Ltd.	THAILAND
Tin	Operaciones Metalurgicas S.A.	BOLIVIA(PLURINATIONAL STATE OF)
Tin	PT Prima Timah Utama	INDONESIA
Tin	PT Timah Tbk Kundur	INDONESIA
Tin	Rui Da Hung	TAIWAN, PROVINCE OF CHINA
Tin	White Solder Metalurgia e Mineracao Ltda.	BRAZIL
Tin	Magnu's Minerais Metais e Ligas Ltda.	BRAZIL
Tin	PT ATD Makmur Mandiri Jaya	INDONESIA
Tin	O.M. Manufacturing Philippines, Inc.	PHILIPPINES
Tin	PT Rajehan Ariq	INDONESIA
Tin	Estanho de Rondonia S.A.	BRAZIL
Tin	Mining Minerals Resources SARL	CONGO, DEMOCRATIC REPUBLIC OF THE
Tin	PT Bangka Prima Tin	INDONESIA
Tin	PT Premium Tin Indonesia	INDONESIA
Tin	PT Putera Sarana Shakti (PT PSS)	INDONESIA
Tin	Resind Industria e Comercio Ltda.	BRAZIL
Tin	Takehara PVD Materials Plant / PVD Materials Division of MITSUI MINING & SMELTING CO., LTD.	JAPAN
Tin	Woodcross Smelting Company Limited	UGANDA
Tin	Yunnan Yunfan Non-ferrous Metals Co., Ltd.	CHINA

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Metal	Smelter or Refiner Facility Name	Country
Tin	Smelter not listed	INDONESIA
Tin	Global Advanced Metals Greenbushes Pty Ltd.	AUSTRALIA
Tungsten	Xiamen Tungsten (H.C.) Co., Ltd.	CHINA
Tungsten	Chongyi Zhangyuan Tungsten Co., Ltd.	CHINA
Tungsten	Global Tungsten & Powders LLC	UNITED STATES OF AMERICA
Tungsten	Japan New Metals Co., Ltd.	JAPAN
Tungsten	Wolfram Bergbau und Hutten AG	AUSTRIA
Tungsten	Xiamen Tungsten Co., Ltd.	CHINA
Tungsten	Jiangxi Gan Bei Tungsten Co., Ltd.	CHINA
Tungsten	Ganzhou Seadragon W & Mo Co., Ltd.	CHINA
Tungsten	H.C. Starck Tungsten GmbH	GERMANY
Tungsten	TANIOBIS Smelting GmbH & Co. KG	GERMANY
Tungsten	Masan High-Tech Materials	VIET NAM
Tungsten	Jiangwu H.C. Starck Tungsten Products Co., Ltd.	CHINA
Tungsten	Niagara Refining LLC	UNITED STATES OF AMERICA
Tungsten	Kennametal Huntsville	UNITED STATES OF AMERICA
Tungsten	Guangdong Xianglu Tungsten Co., Ltd.	CHINA
Tungsten	Kennametal Fallon	UNITED STATES OF AMERICA
Tungsten	Jiangxi Yaosheng Tungsten Co., Ltd.	CHINA
Tungsten	Jiangxi Xinsheng Tungsten Industry Co., Ltd.	CHINA
Tungsten	Malipo Haiyu Tungsten Co., Ltd.	CHINA
Tungsten	Asia Tungsten Products Vietnam Ltd.	VIET NAM
Tungsten	China Molybdenum Tungsten Co., Ltd.	CHINA
Tungsten	Lianyou Metals Co., Ltd.	TAIWAN, PROVINCE OF CHINA
Tungsten	Hubei Green Tungsten Co., Ltd.	CHINA
Tungsten	Cronimet Brasil Ltda	BRAZIL
Tungsten	Tungsten Vietnam Joint Stock Company	VIET NAM

Metal	Smelter or Refiner Facility Name	Country
Tungsten	Lianyou Resources Co., Ltd.	TAIWAN, PROVINCE OF CHINA
Tungsten	Shinwon Tungsten (Fujian Shanghang) Co., Ltd.	CHINA
Tungsten	KENEE MINING VIETNAM COMPANY LIMITED	VIET NAM
Tungsten	Philippine Bonway Manufacturing Industrial Corporation	PHILIPPINES
Tungsten	Jing Yuan Tungsten Technology Co., Ltd.	TAIWAN, PROVINCE OF CHINA
Tungsten	A.L.M.T. Corp.	JAPAN
Cobalt	Murrin Murrin Nickel Cobalt Plant	AUSTRALIA
Cobalt	Ganzhou Tengyuan Cobalt New Material Co., Ltd.	CHINA
Cobalt	Umicore Finland Oy	FINLAND
Cobalt	Niihama Nickel Refinery, Sumitomo Metal Mining	JAPAN
Cobalt	Lanzhou Jinchuan Advanced Materials Technology Co., Ltd.	CHINA
Cobalt	Dynatec Madagascar Company	MADAGASCAR
Cobalt	Quzhou Huayou Cobalt New Material Co., Ltd.	CHINA
Cobalt	Zhejiang Greatpower Cobalt Materials Co., Ltd	CHINA
Cobalt	Zhejiang Huayou Cobalt Company Limited	CHINA
Cobalt	Guangxi Yinyi Advanced Material Co., Ltd.	CHINA
Cobalt	Umicore Olen	BELGIUM
Cobalt	Port Colborne Refinery	CANADA
Cobalt	Kamoto Copper Company	CONGO, DEMOCRATIC REPUBLIC OF THE
Cobalt	Chemaf Etoile	CONGO, DEMOCRATIC REPUBLIC OF THE
Cobalt	Societe pour le Traitement du Terril de Lubumbashi (STL)	CONGO, DEMOCRATIC REPUBLIC OF THE
Cobalt	La Compagnie de Traitement des Rejets de Kingamyambo S.A. (Metalkol S.A.)	CONGO, DEMOCRATIC REPUBLIC OF THE
Cobalt	Compagnie de Tifnout Tiranimine	MOROCCO
Cobalt	Guangdong Jiana Energy Technology Co., Ltd.	CHINA
Cobalt	Mutanda Mining SPRL	CONGO, DEMOCRATIC REPUBLIC OF THE
Cobalt	SungEel HiTech Co., Ltd.	KOREA, REPUBLIC OF
Cobalt	Jingmen GEM Co., Ltd.	CHINA

Metal	Smelter or Refiner Facility Name	Country
Cobalt	Ganzhou Highpower Technology Co., Ltd.	CHINA
Cobalt	NORILSK NICKEL HARJAVALTA OY	FINLAND
Cobalt	Zhejiang New Era Zhongneng Technology Co., Ltd.	CHINA
Cobalt	Hunan Yacheng New Energy Co., Ltd.	CHINA
Cobalt	Hunan CNGR New Energy Science & Technology Co., Ltd.	CHINA
Cobalt	Tenke Fungurume Mining SA	CONGO, DEMOCRATIC REPUBLIC OF THE
Cobalt	Uranus Chemicals	TAIWAN, PROVINCE OF CHINA
Cobalt	Mechema Taiwan Plant 2	TAIWAN, PROVINCE OF CHINA
Cobalt	Harima Refinery, Sumitomo Metal Mining	JAPAN
Cobalt	Vale - Long Harbour Processing Plant (LHPP)	CANADA
Cobalt	Kisanfu Mining (Kimin)	CONGO, DEMOCRATIC REPUBLIC OF THE
Cobalt	Guizhou CNGR Resource Recycling Industry Development Co., Ltd.	CHINA
Cobalt	Anhui Hanrui New Material Co., Ltd.	CHINA
Cobalt	Fujian Evergreen New Energy Technology Co., Ltd.	CHINA
Cobalt	Jiangxi Miracle Golden Tiger Cobalt Co. Ltd.	CHINA
Cobalt	Eti Bakir A.S	TURKEY
Cobalt	Lianyou Resources Co., Ltd.	TAIWAN, PROVINCE OF CHINA
Cobalt	Impala Platinum - Base Metal Refinery (BMR)	SOUTH AFRICA
Cobalt	Impala Platinum - Rustenburg Smelter	SOUTH AFRICA
Cobalt	Hunan Brunp Recycling Technology Co., Ltd.	CHINA
Cobalt	ICoNiChem	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND
Cobalt	Gem (Jiangsu) Cobalt Industry Co., Ltd.	CHINA
Cobalt	PT HUAYUE NICKEL COBALT	INDONESIA
Cobalt	PT QMB New Energy Materials	INDONESIA
Cobalt	Jiangxi Ruida New Energy Technology Co., Ltd.	CHINA
Cobalt	Guangxi CNGR New Energy Science & Technology Co., Ltd.	CHINA
Cobalt	Sichuan Jayson New Energy Technology Co., Ltd.	CHINA

Metal	Smelter or Refiner Facility Name	Country
Cobalt	SOCIETE MINIERE DU KATANGA (Lupoto Plant)	CONGO, DEMOCRATIC REPUBLIC OF THE
Cobalt	PT Halmahera Persada Lygend	INDONESIA
Cobalt	CMOC Kisanfu Mining SARL	CONGO, DEMOCRATIC REPUBLIC OF THE
Cobalt	Jing Yuan Tungsten Technology Co., Ltd.	TAIWAN, PROVINCE OF CHINA
Cobalt	PT HUAFEI NICKEL COBALT	INDONESIA
Cobalt	Yichang Brunp Contemporary Amperex Co., Ltd.	CHINA
Mica	LKAB Minerals Oy	FINLAND
Mica	Yamaguchi Mica	JAPAN
Mica	Yamaguchi Mica Co., Ltd. Toyohashi Factory	JAPAN
Mica	Yamaguchi Mica Co., Ltd. Shinshiro Factory	JAPAN
Mica	Mica Electrical Material (Luhe) Co., Ltd.	CHINA
Lithium	Ganfeng Lithium Group Co., Ltd.	CHINA
Lithium	Yahua Lithium Industry (Ya' an) Co., Ltd.	CHINA
Lithium	Ningdu Ganfeng Lithium Co., Ltd.	CHINA
Lithium	Hunan Yongshan Lithium Co., Ltd.	CHINA
Lithium	Jiangsu Baozong & Baoda Pharmachem Co. Ltd.	CHINA
Lithium	Hunan Brunp Recycling Technology Co., Ltd.	CHINA
Lithium	Jiangxi Ruida New Energy Technology Co., Ltd.	CHINA
Lithium	Arcadium Lithium (Fenix)	ARGENTINA
Lithium	Arcadium Lithium (Bessemer City)	UNITED STATES OF AMERICA
Lithium	Lianhe Chemical Technology (Linhai) Co.,Ltd	CHINA
Nickel	Niihama Nickel Refinery, Sumitomo Metal Mining	JAPAN
Nickel	Murrin Murrin Nickel Cobalt Plant	AUSTRALIA
Nickel	Harima Refinery, Sumitomo Metal Mining	JAPAN
Nickel	Dynatec Madagascar Company	MADAGASCAR
Nickel	Guangxi Yinyi Advanced Material Co., Ltd.	CHINA
Nickel	Guangxi CNGR New Energy Science & Technology Co., Ltd.	CHINA

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Metal	Smelter or Refiner Facility Name	Country
Nickel	Jiangxi Ruida New Energy Technology Co., Ltd.	CHINA
Nickel	Impala Platinum - Rustenburg Smelter	SOUTH AFRICA
Nickel	PT DEBONAIR NICKEL INDONESIA	INDONESIA
Nickel	Hunan Brunp Recycling Technology Co., Ltd.	CHINA
Nickel	PT HUAYUE NICKEL COBALT	INDONESIA
Nickel	Jiangxi Miracle Golden Tiger Cobalt Co. Ltd.	CHINA
Nickel	PT Halmahera Persada Lygend	INDONESIA
Nickel	Impala Platinum - Base Metal Refinery (BMR)	SOUTH AFRICA
Nickel	PT Zhongtsing New Energy	INDONESIA
Nickel	PT QMB New Energy Materials	INDONESIA
Nickel	Guizhou CNGR Resource Recycling Industry Development Co., Ltd.	CHINA
Nickel	PT HUAFEI NICKEL COBALT	INDONESIA
Nickel	Hunan CNGR New Energy Science & Technology Co., Ltd.	CHINA
Copper	Toyo Smelter & Refinery, Sumitomo Metal Mining	JAPAN
Copper	Impala Platinum - Base Metal Refinery (BMR)	SOUTH AFRICA
Copper	Eti Bakir A.S	TURKEY
Copper	Kamoto Copper Company	CONGO, DEMOCRATIC REPUBLIC OF THE
Copper	Tenke Fungurume Mining SA	CONGO, DEMOCRATIC REPUBLIC OF THE
Copper	CMOC Kisanfu Mining SARL	CONGO, DEMOCRATIC REPUBLIC OF THE
Copper	NKANA COPPER REFINERY - Nkana (Kitwe)	ZAMBIA
Copper	Societe pour le Traitment du Terril de Lubumbashi (STL)	CONGO, DEMOCRATIC REPUBLIC OF THE
Copper	Mutanda Mining SPRL	CONGO, DEMOCRATIC REPUBLIC OF THE
Copper	La Compagnie de Traitement des Rejets de Kingamyambo S.A. (Metalkol S.A.)	CONGO, DEMOCRATIC REPUBLIC OF THE
Copper	Impala Platinum - Rustenburg Smelter	SOUTH AFRICA
Copper	Vedanta Limited-Sterlite Copper	INDIA
Copper	SOCIETE MINIERE DU KATANGA (Lupoto Plant)	CONGO, DEMOCRATIC REPUBLIC OF THE
Copper	Kisanfu Mining (Kimin)	CONGO, DEMOCRATIC REPUBLIC OF THE

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8. 冶煉廠與精煉廠原產國分布

ARGENTINA	ESTONIA	MOROCCO	TANZANIA, UNITED REPUBLIC OF
AUSTRALIA	FINLAND	NETHERLANDS	THAILAND
AUSTRIA	GERMANY	PERU	TURKEY
BELGIUM	INDIA	PHILIPPINES	UGANDA
BOLIVIA(PLURINATIONAL STATE OF)	INDONESIA	POLAND	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND
BRAZIL	ITALY	RWANDA	
CANADA	JAPAN	SINGAPORE	UNITED STATES OF AMERICA
CHILE	KAZAKHSTAN	SOUTH AFRICA	UZBEKISTAN
CHINA	KOREA, REPUBLIC OF	SPAIN	VIET NAM
COLOMBIA	MADAGASCAR	SWEDEN	ZAMBIA
CONGO, DEMOCRATIC REPUBLIC OF THE	MALAYSIA	SWITZERLAND	
CZECHIA	MEXICO	TAIWAN, PROVINCE OF CHINA	