



2023年漢通科技責任礦產盡職調查報告

■ 公司簡介

漢通科技股份有限公司（以下簡稱漢通科技）為神基投資控股股份有限公司（股票代碼：3005，以下簡稱神基投控）百分百持有之子公司，是一家國際專業光機電軟解決方案的供應商，主要產品包含電源解決方案、工業顯示器以及模具原型打樣服務。漢通累積雄厚的技術實力與專案經驗，為客戶提供專業諮詢釐清需求，同時整合各項先進技術，為國防、醫療、公共安全、製造、以及3C電子等產業量身訂製安全可靠，且具備市場競爭力的解決方案。



追求創新，突破超越

從技術到人才，
我們對創新的堅持與努力永不停歇



創造價值，共創雙贏

創造差異化價值，
為自身與客戶提升永續的競爭力



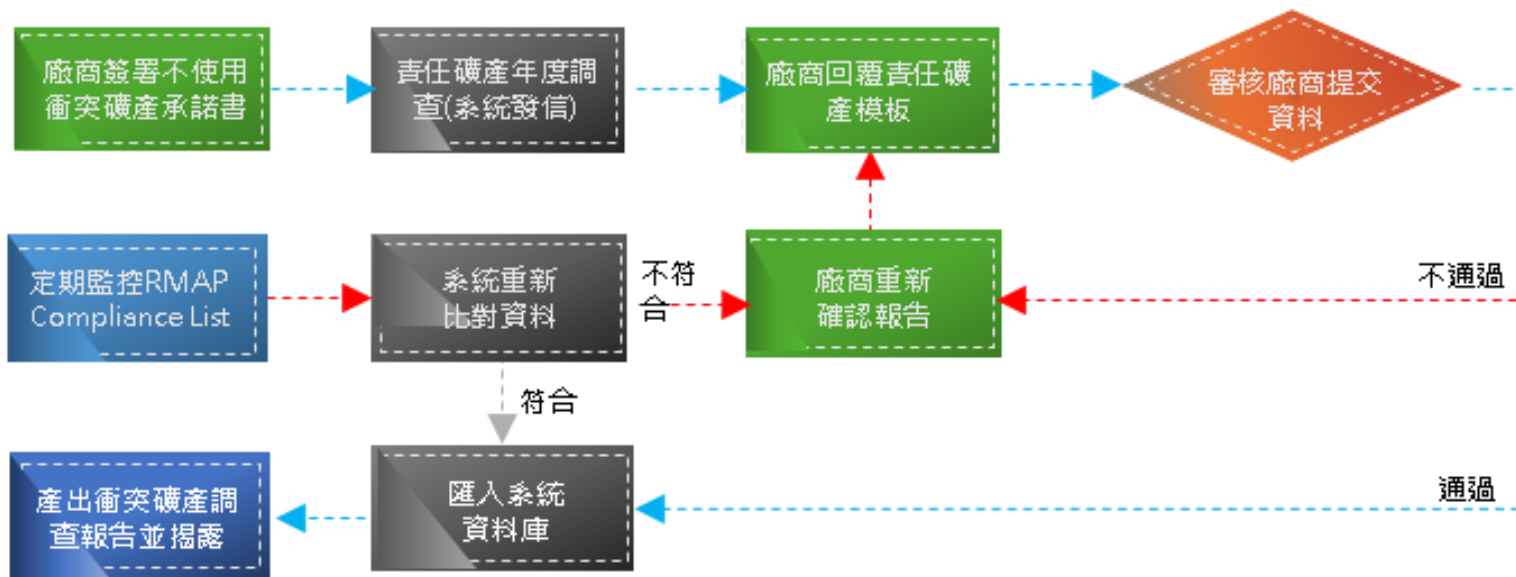
以客為尊，品質承諾

從產品到服務，
我們承諾提供最佳的客戶體驗

■ 漢通科技責任礦產政策

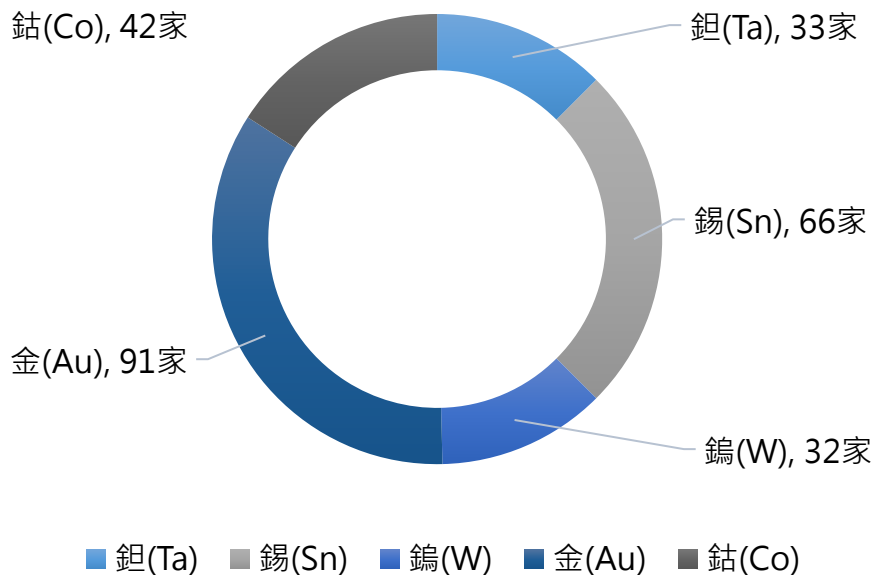
漢通科技承諾願與供應商共同負起社會與環境保護的責任，支持並遵照責任礦產倡議(Responsible Minerals Initiative)不採用透過迫害人權或武裝脅迫開採的衝突礦產，特別是來自於剛果民主共和國及其鄰近國家所生產的金gold (Au)、鈹tantalum (Ta)、鎢tungsten (W)、錫tin (Sn)、鈷cobalt (Co)、雲母(mica) 等礦產或其衍生產品，亦要求供應商履行前述聲明，並願通知及提供證據協助查察礦產來源及產銷監管流程。

- 衝突礦產盡職調查管理流程：



■ 責任礦產調查結果

2023年漢通科技共計對211家廠商展開調查，廠商CMRT回覆率達到87%，EMRT回覆率達到89%。合計辨別出264家冶煉廠與精煉廠(詳見附件一)，256家符合最新合格冶煉廠與精煉廠名單，不合格冶煉廠與精煉廠(包含除名)共計8家，合格冶煉廠與精煉廠比例為97%；進一步分析冶煉廠與精煉廠分佈於43個地區(詳見附件二)，主要區域位於亞洲，次為歐洲。



■ 附錄一、冶煉廠與精煉廠

Mineral	Name of Smelter or Refiner	Country
Cobalt	Gem (Jiangsu) Cobalt Industry Co., Ltd.	CHINA
Cobalt	Lanzhou Jinchuan Advanced Materials Technology Co., Ltd.	CHINA
Cobalt	Zhuhai Kelixin Metal Materials Co., Ltd.	CHINA
Cobalt	Ganzhou Tengyuan Cobalt New Material Co., Ltd.	CHINA
Cobalt	Guangxi Yinyi Advanced Material Co., Ltd.	CHINA
Cobalt	Tianjin Maolian Science & Technology Co., Ltd.	CHINA
Cobalt	Zhejiang Huayou Cobalt Company Limited	CHINA
Cobalt	Umicore Finland Oy	FINLAND
Cobalt	Umicore Olen	BELGIUM
Cobalt	Dynatec Madagascar Company	MADAGASCAR
Cobalt	Port Colborne Refinery	CANADA
Cobalt	Quzhou Huayou Cobalt New Material Co., Ltd.	CHINA
Cobalt	Kamoto Copper Company	DEMOCRATIC REPUBLIC OF THE CONGO
Cobalt	Chemaf Etoile	DEMOCRATIC REPUBLIC OF THE CONGO
Cobalt	Societe pour le Traitement du Terril de Lubumbashi (STL)	DEMOCRATIC REPUBLIC OF THE CONGO
Cobalt	La Compagnie de Traitement des Rejets de Kingamyambo S.A. (Metalkol S.A.)	DEMOCRATIC REPUBLIC OF THE CONGO
Cobalt	Niihama Nickel Refinery, Sumitomo Metal Mining	JAPAN
Cobalt	Mine de Bou-Azzer	MOROCCO
Cobalt	Compagnie de Tifnout Tiranimine	MOROCCO
Cobalt	Guangdong Jiana Energy Technology Co., Ltd.	CHINA
Cobalt	Jiangsu Xiongfeng Technology Co., Ltd.	CHINA
Cobalt	SungEel HiTech Co., Ltd.	REPUBLIC OF KOREA

■ 附錄一、冶煉廠與精煉廠

Mineral	Name of Smelter or Refiner	Country
Cobalt	Jiangxi Jiangwu Cobalt industrial Co., Ltd.	CHINA
Cobalt	Jingmen GEM Co., Ltd.	CHINA
Cobalt	Ganzhou Highpower Technology Co., Ltd.	CHINA
Cobalt	NORILSK NICKEL HARJAVALTA OY	FINLAND
Cobalt	Zhejiang New Era Zhongneng Technology Co., Ltd.	CHINA
Cobalt	Glencore Nikkelverk Refinery	NORWAY
Cobalt	Hunan Yacheng New Materials Co., Ltd.	CHINA
Cobalt	Murrin Murrin Nickel Cobalt Plant	AUSTRALIA
Cobalt	Hunan CNGR New Energy Science & Technology Co., Ltd.	CHINA
Cobalt	Cosmo Chemical, Ltd.	REPUBLIC OF KOREA
Cobalt	Tenke Fungurume Mining SA	DEMOCRATIC REPUBLIC OF THE CONGO
Cobalt	Ningbo Hubang New Material Co., Ltd.	CHINA
Cobalt	CoreMax Corporation	PROVINCE OF CHINA TAIWAN
Cobalt	Chizhou CN New Materials and Technology Co., Ltd.	CHINA
Cobalt	Zhejiang Greatpower Cobalt Materials Co., Ltd.	CHINA
Cobalt	Mechema Taiwan Plant 2	PROVINCE OF CHINA TAIWAN
Cobalt	Harima Refinery, Sumitomo Metal Mining	JAPAN
Cobalt	Guizhou CNGR Resource Recycling Industry Development Co., Ltd.	CHINA
Cobalt	Anhui Hanrui New Material Co., Ltd.	CHINA
Cobalt	Jiangxi Miracle Golden Tiger Cobalt Co. Ltd.	CHINA
Gold	Advanced Chemical Company	UNITED STATES OF AMERICA
Gold	Aida Chemical Industries Co., Ltd.	JAPAN

■ 附錄一、冶煉廠與精煉廠

Mineral	Name of Smelter or Refiner	Country
Gold	Agosi AG	GERMANY
Gold	Almalyk Mining and Metallurgical Complex (AMMC)	UZBEKISTAN
Gold	AngloGold Ashanti Corrego do Sitio Mineracao	BRAZIL
Gold	Argor-Heraeus S.A.	SWITZERLAND
Gold	Asahi Pretec Corp.	JAPAN
Gold	Asaka Riken Co., Ltd.	JAPAN
Gold	Aurubis AG	GERMANY
Gold	Bangko Sentral ng Pilipinas (Central Bank of the Philippines)	PHILIPPINES
Gold	Boliden AB	SWEDEN
Gold	C. Hafner GmbH + Co. KG	GERMANY
Gold	CCR Refinery - Glencore Canada Corporation	CANADA
Gold	Chimet S.p.A.	ITALY
Gold	Chugai Mining	JAPAN
Gold	DSC (Do Sung Corporation)	REPUBLIC OF KOREA
Gold	Dowa	JAPAN
Gold	Eco-System Recycling Co., Ltd. East Plant	JAPAN
Gold	LT Metal Ltd.	REPUBLIC OF KOREA
Gold	Heimerle + Meule GmbH	GERMANY
Gold	Heraeus Metals Hong Kong Ltd.	CHINA
Gold	Heraeus Germany GmbH Co. KG	GERMANY
Gold	Inner Mongolia Qiankun Gold and Silver Refinery Share Co., Ltd.	CHINA
Gold	Ishifuku Metal Industry Co., Ltd.	JAPAN
Gold	Agosi AG	GERMANY

■ 附錄一、冶煉廠與精煉廠

Mineral	Name of Smelter or Refiner	Country
Gold	Istanbul Gold Refinery	TURKEY
Gold	Japan Mint	JAPAN
Gold	Jiangxi Copper Co., Ltd.	CHINA
Gold	Asahi Refining USA Inc.	UNITED STATES OF AMERICA
Gold	Asahi Refining Canada Ltd.	CANADA
Gold	JX Nippon Mining & Metals Co., Ltd.	JAPAN
Gold	Kazzinc	KAZAKHSTAN
Gold	Kennecott Utah Copper LLC	UNITED STATES OF AMERICA
Gold	Kojima Chemicals Co., Ltd.	JAPAN
Gold	LS-NIKKO Copper Inc.	REPUBLIC OF KOREA
Gold	Materion	UNITED STATES OF AMERICA
Gold	Matsuda Sangyo Co., Ltd.	JAPAN
Gold	Metalor Technologies (Suzhou) Ltd.	CHINA
Gold	Metalor Technologies (Hong Kong) Ltd.	CHINA
Gold	Metalor Technologies (Singapore) Pte., Ltd.	SINGAPORE
Gold	Metalor Technologies S.A.	SWITZERLAND
Gold	Metalor USA Refining Corporation	UNITED STATES OF AMERICA
Gold	Metalurgica Met-Mex Penoles S.A. De C.V.	MEXICO
Gold	Mitsubishi Materials Corporation	JAPAN
Gold	Mitsui Mining and Smelting Co., Ltd.	JAPAN
Gold	Nadir Metal Rafineri San. Ve Tic. A.S.	TURKEY
Gold	Navoi Mining and Metallurgical Combinat	UZBEKISTAN

■ 附錄一、冶煉廠與精煉廠

Mineral	Name of Smelter or Refiner	Country
Gold	Nihon Material Co., Ltd.	JAPAN
Gold	Ohura Precious Metal Industry Co., Ltd.	JAPAN
Gold	MKS PAMP SA	SWITZERLAND
Gold	PT Aneka Tambang (Persero) Tbk	INDONESIA
Gold	PX Precinox S.A.	SWITZERLAND
Gold	Rand Refinery (Pty) Ltd.	SOUTH AFRICA
Gold	Royal Canadian Mint	CANADA
Gold	SEMPSA Joyeria Plateria S.A.	SPAIN
Gold	Shandong Zhaojin Gold & Silver Refinery Co., Ltd.	CHINA
Gold	Sichuan Tianze Precious Metals Co., Ltd.	CHINA
Gold	Solar Applied Materials Technology Corp.	PROVINCE OF CHINA TAIWAN
Gold	Sumitomo Metal Mining Co., Ltd.	JAPAN
Gold	Tanaka Kikinzoku Kogyo K.K.	JAPAN
Gold	Shandong Gold Smelting Co., Ltd.	CHINA
Gold	Tokuriki Honten Co., Ltd.	JAPAN
Gold	Torecom	REPUBLIC OF KOREA
Gold	Umicore S.A. Business Unit Precious Metals Refining	BELGIUM
Gold	United Precious Metal Refining, Inc.	UNITED STATES OF AMERICA
Gold	Valcambi S.A.	SWITZERLAND
Gold	Western Australian Mint (T/a The Perth Mint)	AUSTRALIA
Gold	Yamakin Co., Ltd.	JAPAN
Gold	Yokohama Metal Co., Ltd.	JAPAN

■ 附錄一、冶煉廠與精煉廠

Mineral	Name of Smelter or Refiner	Country
Gold	Zhongyuan Gold Smelter of Zhongjin Gold Corporation	CHINA
Gold	Gold Refinery of Zijin Mining Group Co., Ltd.	CHINA
Gold	SAFINA A.S.	CZECHIA
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.	REPUBLIC OF KOREA
Gold	TOO Tau-Ken-Altyn	KAZAKHSTAN
Gold	Abington Reldan Metals, LLC	UNITED STATES OF AMERICA
Gold	L'Orfebvre S.A.	ANDORRA
Gold	8853 S.p.A.	ITALY
Gold	Italpreziosi	ITALY
Gold	WIELAND Edelmetalle GmbH	GERMANY
Gold	Ogussa Osterreichische Gold- und Silber-Scheideanstalt GmbH	AUSTRIA
Gold	Bangalore Refinery	INDIA
Gold	SungEel HiMetal Co., Ltd.	REPUBLIC OF KOREA
Gold	Planta Recuperadora de Metales SpA	CHILE
Gold	NH Recytech Company	REPUBLIC OF KOREA
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

■ 附錄一、冶煉廠與精煉廠

Mineral	Name of Smelter or Refiner	Country
Gold	Gold by Gold Colombia	COLOMBIA
Tantalum	Changsha South Tantalum Niobium Co., Ltd.	CHINA
Tantalum	F&X Electro-Materials Ltd.	CHINA
Tantalum	XIMEI RESOURCES (GUANGDONG) LIMITED	CHINA
Tantalum	JiuJiang JinXin Nonferrous Metals Co., Ltd.	CHINA
Tantalum	Jiujiang Tanbre Co., Ltd.	CHINA
Tantalum	AMG Brasil	BRAZIL
Tantalum	Mineracao Taboca S.A.	BRAZIL
Tantalum	Mitsui Mining and Smelting Co., Ltd.	JAPAN
Tantalum	Metallurgical Products India Pvt., Ltd.	INDIA
Tantalum	NPM Silmet AS	ESTONIA
Tantalum	Ningxia Orient Tantalum Industry Co., Ltd.	CHINA
Tantalum	QuantumClean	UNITED STATES OF AMERICA
Tantalum	Yanling Jincheng Tantalum & Niobium Co., Ltd.	CHINA
Tantalum	Taki Chemical Co., Ltd.	JAPAN
Tantalum	Telex Metals	UNITED STATES OF AMERICA
Tantalum	Ulba Metallurgical Plant JSC	KAZAKHSTAN
Tantalum	Hengyang King Xing Lifeng New Materials Co., Ltd.	CHINA
Tantalum	D Block Metals, LLC	UNITED STATES OF AMERICA
Tantalum	FIR Metals & Resource Ltd.	CHINA
Tantalum	Jiujiang Zhongao Tantalum & Niobium Co., Ltd.	CHINA
Tantalum	XinXing HaoRong Electronic Material Co., Ltd.	CHINA

■ 附錄一、冶煉廠與精煉廠

Mineral	Name of Smelter or Refiner	Country
Tantalum	Jiangxi Dinghai Tantalum & Niobium Co., Ltd.	CHINA
Tantalum	KEMET de Mexico	MEXICO
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	Resind Industria e Comercio Ltda.	BRAZIL
Tantalum	Jiangxi Tuohong New Raw Material	CHINA
Tantalum	RFH Yancheng Jinye New Material Technology Co., Ltd.	CHINA
Tin	Chenzhou Yunxiang Mining and Metallurgy Co., Ltd.	CHINA
Tin	Alpha	UNITED STATES OF AMERICA
Tin	PT Aries Kencana Sejahtera	INDONESIA
Tin	Dowa	JAPAN
Tin	EM Vinto	PLURINATIONAL STATE OF BOLIVIA
Tin	Estanho de Rondonia S.A.	BRAZIL
Tin	Fenix Metals	POLAND
Tin	Gejiu Non-Ferrous Metal Processing Co., Ltd.	CHINA
Tin	China Tin Group Co., Ltd.	CHINA
Tin	Malaysia Smelting Corporation (MSC)	MALAYSIA

■ 附錄一、冶煉廠與精煉廠

Mineral	Name of Smelter or Refiner	Country
Tin	Metallic Resources, Inc.	UNITED STATES OF AMERICA
Tin	Mineracao Taboca S.A.	BRAZIL
Tin	Minsur	PERU
Tin	Mitsubishi Materials Corporation	JAPAN
Tin	Jiangxi New Nanshan Technology Ltd.	CHINA
Tin	O.M. Manufacturing (Thailand) Co., Ltd.	THAILAND
Tin	Operaciones Metalurgicas S.A.	PLURINATIONAL STATE OF BOLIVIA
Tin	PT Artha Cipta Langgeng	INDONESIA
Tin	PT Babel Inti Perkasa	INDONESIA
Tin	PT Babel Surya Alam Lestari	INDONESIA
Tin	PT Bukit Timah	INDONESIA
Tin	PT Mitra Stania Prima	INDONESIA
Tin	PT Prima Timah Utama	INDONESIA
Tin	PT Refined Bangka Tin	INDONESIA
Tin	PT Sariwiguna Binasentosa	INDONESIA
Tin	PT Stanindo Inti Perkasa	INDONESIA
Tin	PT Timah Tbk Kundur	INDONESIA
Tin	PT Timah Tbk Mentok	INDONESIA
Tin	PT Timah Nusantara	INDONESIA
Tin	PT Tinindo Inter Nusa	INDONESIA
Tin	PT Tommy Utama	INDONESIA
Tin	Rui Da Hung	PROVINCE OF CHINA TAIWAN

■ 附錄一、冶煉廠與精煉廠

Mineral	Name of Smelter or Refiner	Country
Tin	Soft Metais Ltda.	BRAZIL
Tin	Thaisarco	THAILAND
Tin	Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.	CHINA
Tin	White Solder Metalurgia e Mineracao Ltda.	BRAZIL
Tin	Yunnan Chengfeng Non-ferrous Metals Co., Ltd.	CHINA
Tin	Tin Smelting Branch of Yunnan Tin Co., Ltd.	CHINA
Tin	CV Venus Inti Perkasa	INDONESIA
Tin	Magnu's Minerais Metais e Ligas Ltda.	BRAZIL
Tin	PT ATD Makmur Mandiri Jaya	INDONESIA
Tin	O.M. Manufacturing Philippines, Inc.	PHILIPPINES
Tin	CV Ayi Jaya	INDONESIA
Tin	PT Rajehan Ariq	INDONESIA
Tin	PT Cipta Persada Mulia	INDONESIA
Tin	Resind Industria e Comercio Ltda.	BRAZIL
Tin	Super Ligas	BRAZIL
Tin	Aurubis Beerse	BELGIUM
Tin	Aurubis Berango	SPAIN
Tin	PT Bangka Prima Tin	INDONESIA
Tin	PT Sukses Inti Makmur	INDONESIA
Tin	PT Menara Cipta Mulia	INDONESIA
Tin	HuiChang Hill Tin Industry Co., Ltd.	CHINA
Tin	Guangdong Hanhe Non-Ferrous Metal Co., Ltd.	CHINA

■ 附錄一、冶煉廠與精煉廠

Mineral	Name of Smelter or Refiner	Country
Tin	Chifeng Dajingzi Tin Industry Co., Ltd.	CHINA
Tin	PT Bangka Serumpun	INDONESIA
Tin	Tin Technology & Refining	UNITED STATES OF AMERICA
Tin	Ma'anshan Weitai Tin Co., Ltd.	CHINA
Tin	PT Rajawali Rimba Perkasa	INDONESIA
Tin	Luna Smelter, Ltd.	RWANDA
Tin	PT Mitra Sukses Globalindo	INDONESIA
Tin	CRM Fundicao De Metais E Comercio De Equipamentos Eletronicos Do Brasil Ltda	BRAZIL
Tin	CRM Synergies	SPAIN
Tin	Fabrica Auricchio Industria e Comercio Ltda.	BRAZIL
Tin	DS Myanmar	MYANMAR
Tin	PT Putera Sarana Shakti (PT PSS)	INDONESIA
Tungsten	A.L.M.T. Corp.	JAPAN
Tungsten	Kennametal Huntsville	UNITED STATES OF AMERICA
Tungsten	Guangdong Xianglu Tungsten Co., Ltd.	CHINA
Tungsten	Chongyi Zhangyuan Tungsten Co., Ltd.	CHINA
Tungsten	Global Tungsten & Powders Corp.	UNITED STATES OF AMERICA
Tungsten	Hunan Chenzhou Mining Co., Ltd.	CHINA
Tungsten	Hunan Jintai New Material Co., Ltd.	CHINA
Tungsten	Japan New Metals Co., Ltd.	JAPAN
Tungsten	Kennametal Fallon	UNITED STATES OF AMERICA
Tungsten	Wolfram Bergbau und Hutten AG	AUSTRIA

■ 附錄一、冶煉廠與精煉廠

Mineral	Name of Smelter or Refiner	Country
Tungsten	Xiamen Tungsten Co., Ltd.	CHINA
Tungsten	Ganzhou Jiangwu Ferrotungsten Co., Ltd.	CHINA
Tungsten	Jiangxi Yaosheng Tungsten Co., Ltd.	CHINA
Tungsten	Jiangxi Xincheng Tungsten Industry Co., Ltd.	CHINA
Tungsten	Jiangxi Tonggu Non-ferrous Metallurgical & Chemical Co., Ltd.	CHINA
Tungsten	Malipo Haiyu Tungsten Co., Ltd.	CHINA
Tungsten	Xiamen Tungsten (H.C.) Co., Ltd.	CHINA
Tungsten	Jiangxi Gan Bei Tungsten Co., Ltd.	CHINA
Tungsten	Ganzhou Seadragon W & Mo Co., Ltd.	CHINA
Tungsten	Asia Tungsten Products Vietnam Ltd.	VIET NAM
Tungsten	Hunan Shizhuyuan Nonferrous Metals Co., Ltd. Chenzhou Tungsten Products Branch	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	China Molybdenum Tungsten Co., Ltd.	CHINA
Tungsten	Philippine Chuangxin Industrial Co., Inc.	PHILIPPINES
Tungsten	Lianyou Metals Co., Ltd.	PROVINCE OF CHINA TAIWAN
Tungsten	Hubei Green Tungsten Co., Ltd.	CHINA
Tungsten	Cronimet Brasil Ltda	BRAZIL
Tungsten	Fujian Xinlu Tungsten Co., Ltd.	CHINA

■ 附錄二、冶煉廠與精煉廠分佈區域

ANDORRA

AUSTRALIA

AUSTRIA

BELGIUM

BRAZIL

CANADA

CHILE

CHINA

COLOMBIA

CZECHIA

DEMOCRATIC REPUBLIC OF THE CONGO

ESTONIA

FINLAND

GERMANY

INDIA

INDONESIA

ITALY

JAPAN

KAZAKHSTAN

MADAGASCAR

MALAYSIA

MEXICO

MOROCCO

MYANMAR

NETHERLANDS

NORWAY

PERU

PHILIPPINES

PLURINATIONAL STATE OF BOLIVIA

POLAND

PROVINCE OF CHINA TAIWAN

REPUBLIC OF KOREA

RWANDA

SINGAPORE

SOUTH AFRICA

SPAIN

SWEDEN

SWITZERLAND

THAILAND

TURKEY

UNITED STATES OF AMERICA

UZBEKISTAN

VIET NAM