

## **Applied Optoelectronics, Inc.**

### **Conflict Minerals Report**

#### **For The Year Ended December 31, 2015**

This report for the year ended December 31, 2015 is presented to comply with Rule 13p-1 under the Securities Exchange Act of 1934 (the “Rule”). The Rule was adopted by the Securities and Exchange Commission (“SEC”) to implement reporting and disclosure requirements related to conflict minerals as directed by the Dodd-Frank Wall Street Reform and Consumer Protection Act of 2010. The Rule imposes certain reporting obligations on SEC registrants whose manufactured products contain Conflict Minerals which are necessary to the functionality or production of their products. Conflict Minerals are defined as cassiterite, columbite-tantalite, gold, wolframite, and their derivatives, which are limited to tin, tantalum, tungsten, and gold (“3TG”). These requirements apply to registrants whatever the geographic origin of the Conflict Minerals and whether or not they fund armed conflict.

#### **1. Company Overview**

This report has been prepared by the management of Applied Optoelectronics, Inc. (herein referred to as “AOI,” the “Company,” “we,” “us,” or “our”). The information includes the activities of all majority-owned subsidiaries.

AOI is a leading, vertically integrated provider of fiber-optic networking products, primarily for three networking end-markets: internet data center, cable television, or CATV, and fiber-to-the-home, or FTTH. We design and manufacture a range of optical communications products at varying levels of integration, from components, subassemblies and modules to complete turn-key equipment. Conflict Minerals are necessary to the functionality or production of semiconductor and module products. In designing products for our customers, we begin with the fundamental building blocks of lasers and laser components, which require the use of 3TG metals. From these foundational products, we design and manufacture a wide range of products to meet our customers’ needs and specifications, and such products differ from each other by their end market, intended use and level of integration. We are primarily focused on the higher-performance segments within all three of our target markets, which increasingly demand faster connectivity and innovation.

#### **2. Supply Chain**

The supply chain for 3TG consists of many supplier chain tiers. Before reaching AOI’s direct suppliers, 3TG will go from mines, to traders, exporters, smelters or refiners (referred to as smelters), alloy producers and component manufacturers, and sometimes intermediate suppliers. Since one or more of the 3TG metals are contained in the majority of AOI’s products, a significant portion of AOI’s suppliers also use these metals in their products. AOI sources products and components from approximately 700 first tier suppliers globally. First tier suppliers are those suppliers that AOI selected and with whom we have a direct business relationship. These first tier suppliers select their suppliers (second tier suppliers), which in turn have their own group of suppliers (third tier), and so on. AOI works with and through its first

tier suppliers to investigate the deeper levels of our supply chain, in order to determine the origin of 3TG metals contained in AOI products.

Because of our size, the complexity of our products, and the depth, breadth, and constant evolution of our supply chain, it is difficult to identify actors upstream from our direct suppliers. Accordingly, we participate in a number of industry-wide initiatives as described below.

### **3. Conflict Minerals Policy**

AOI is committed to working with our global supply chain to ensure compliance with the SEC's conflict minerals rules. We have established a conflict minerals compliance program that is designed to follow the framework established by the Organization for Economic Co-operation and Development ("OECD").

Our supplier contracts will include conflict mineral due diligence and reporting requirements. Any direct sourcing by AOI of tin, tungsten, tantalum and gold will only be from Democratic Republic of Congo Conflict-Free sources, as defined in the SEC's conflict minerals rule. As we become aware of instances where minerals in our supply chain potentially finance armed groups, as defined in the SEC's conflict minerals rule, we will work with our suppliers to find alternate conflict-free sources.

Our policy is publicly available on our website at <http://ao-inc.com/about-our-company/global-compliance>.

### **4. Due Diligence Overview**

We conducted a survey of our supply chain by adopting the template developed by the Electronic Industry Citizenship Coalition ("EICC") and Global e-Sustainability Initiative ("GeSI"), known as the Conflict-Free Sourcing Initiative ("CFSI") Conflict Minerals Reporting Template ("CMRT"). The CMRT was developed to facilitate disclosure and communication of information regarding smelters that provide material to a company's supply chain. It includes questions regarding a company's conflict-free policy, engagement with its direct suppliers, and a listing of the smelters the company and its suppliers use. In addition, the template contains questions about the origin of conflict minerals included in their products, as well as supplier due diligence. Written instructions and recorded training illustrating the use of the tool is available on EICC's website. The CMRT is being used by many companies in their due diligence processes related to conflict minerals.

AOI does not engage directly with mines or smelters and thus AOI does not have information on 3TG country of origin. We rely on information from the Conflict-Free Smelter Program ("CFSP"), a voluntary initiative managed by the CFSI in which an independent third party audits the procurement activities of a smelter or refiner to determine, with reasonable confidence that the minerals it processes originated from conflict-free sources. Upon completion of a successful audit, the smelter or refiner is designated by the CFSI as "Compliant."

### **5. Due Diligence Process**

AOI has established management systems and due diligence measures as a basis for supply-chain management and disclosure compliance relating to the Conflict Minerals necessary to the functionality or production of our products and required to be reported under the Rule.

Our due diligence measures have been designed to conform, in all material respects, to the five-step framework in the OECD Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas (OECD Guidance). The design of AOI's Conflict Mineral Process includes the following:

*Step #1: Establish Strong Company Management Systems*

- AOI's management is committed to sourcing conflict free materials. A conflict minerals policy was adopted and is available on our website at <http://ao-inc.com/about-our-company/global-compliance>.
- Our commitment is reflected in our Quality Objective, Purchasing Agreements, Purchasing Orders and SOPs.

*Step #2: Identify and Assess Risk in the Supply Chain*

- AOI requests that its suppliers complete in full the CMRT. The CMRT is used to provide AOI with information regarding its suppliers' practices with respect to the sourcing of conflict minerals to enable it to comply with its requirements under the Rule.
- AOI's legal, quality assurance and supply chain departments manage the collection of information reported on the CMRT by its suppliers.
- Once AOI receives CMRTs from our supply chain, we identify high risk vendors. High risk vendors are those that use non CFSI-Compliant smelters or those that do not submit a completed CMRT.

*Step #3: Design and Implement a Strategy to Respond to Identified Risks*

- Once a high risk vendor has been identified, AOI will hold an internal stakeholders meeting to discuss corrective actions to be taken.
- Such corrective actions include, but are not limited to, disengaging in trade with the high risk vendor and finding alternate vendors.

*Step #4: Carry Out Independent Third-Party Audit of Supply Chain Due Diligence at Identified Points in the Supply Chain*

- Given that we do not have a direct relationship with the smelters and refiners that process the conflict minerals that are present in our products, we rely on the CFSI to conduct third-party audits of smelters and refiners.
- AOI relies on the EICC and GeSI initiative to validate supply chain due diligence
- AOI expects our supply chain to adhere to all local, national and international laws and requirements.

### *Step #5: Report on Supply Chain Due Diligence*

- As a publicly traded company in the United States, AOI will submit an annual SD Report to the SEC per the Securities and Exchange Act of 1934 Section 1502 as amended by the Dodd-Frank Act of 2010.

## **6. Due Diligence Performed**

Annually, AOI requests CMRTs from our supply chain. It is the responsibility of our supply chain to provide AOI with a CMRT and to ensure their supply chains are conflict free. Once AOI receives the completed CMRT, AOI will review the submission for completeness and consistency. AOI will then compare smelter data, made available by the CFSI, concerning the country of origin. If a vendor submits a CMRT that does not contain a non CFSI-Compliant smelter, then no further action will be taken by AOI.

For vendors that do not submit a CMRT, AOI will follow up with the vendor and continue to request a completed CMRT. If the vendor does not submit a CMRT after multiple requests, then corrective actions, up to and including disengaging in trade, will be taken.

For vendors that submit a CMRT containing a non CFSI-Compliant smelter, AOI will request that the vendor take corrective actions and become conflict free. If the vendor does not satisfactorily implement steps to become conflict free, then corrective actions, up to and including disengaging in trade, will be taken.

AOI works with and through its first tier suppliers to investigate the deeper levels of our supply chain, in an effort to determine the origin of 3TG metals contained in AOI products.

## **7. Due Diligence Results**

The results of our due diligence indicates that the sources of Conflict Minerals are (1) from recycled or scrap materials, (2) from within the Democratic Republic of the Congo or adjoining countries (the “Covered Countries”), or (3) from outside the Covered Countries. From the responses we have received from our direct suppliers from our supply chain survey for 2015, 319 smelters and refiners were listed within their supply chains. All 319 have been designated as of April 30, 2016 as Compliant under the CFSP. The complete list of smelters and refiners is attached in Exhibit A.

AOI does not engage directly with mines or smelters and thus AOI does not have information on 3TG country of origin.

## **8. Conflict-Free Sourcing Continuous Improvements**

As part of AOI’s commitment to Conflict Minerals due diligence, AOI has taken, or will take, the following steps to further mitigate the risk that our Conflict Minerals benefit armed groups in the Covered Countries:

- Continue to engage with suppliers to obtain complete CMRTs;
- Encourage the development of supplier capabilities to perform conflict-minerals related due diligence;
- Review our supply chain quarterly to ensure new vendors are aware of the conflict-mineral free policy and to encourage existing vendors to submit their CMRTs timely;
- Provide ongoing training regarding emerging best practices and other relevant topics to legal, quality assurance and supply chain staff responsible for conflict mineral compliance.

## **9. Forward-looking Statements**

Statements relating to due diligence improvements are forward-looking in nature and are based on our management's current expectations or beliefs. These forward-looking statements are not a guarantee of performance and are subject to a number of uncertainties and other factors that may be outside of our control and that could cause actual events to differ materially from those expressed or implied by the statements made herein.

## **10. Conflict Minerals Disclosure**

This Conflict Minerals Report and our Conflict Minerals Policy are available on our web site at <http://ao-inc.com/about-our-company/global-compliance>.

### Exhibit A

Listed below are the smelters and refiners we have determined to be in our supply chain for 2015 that have processed Conflict Minerals used in AOI products. The CFSI Compliant smelter information is up to date as of April 30, 2016 from

<http://www.conflictreesourcing.org/conflict-free-smelter-refiner-lists/>.

<b>Metal</b>	<b>Smelter Name</b>	<b>Smelter Country</b>
Gold	Advanced Chemical Company	UNITED STATES
Gold	Aida Chemical Industries Co., Ltd.	JAPAN
Gold	Aktyubinsk Copper Company TOO	KAZAKHSTAN
Gold	Al Etihad Gold Refinery DMCC	UNITED ARAB EMIRATES
Gold	Allgemeine Gold-und Silberscheideanstalt A.G.	GERMANY
Gold	Almalyk Mining and Metallurgical Complex (AMMC)	UZBEKISTAN
Gold	AngloGold Ashanti Córrego do Sítio Mineração	BRAZIL
Gold	Argor-Heraeus SA	SWITZERLAND
Gold	Asahi Pretec Corporation	JAPAN
Gold	Asahi Refining Canada Limited	CANADA
Gold	Asahi Refining USA Inc.	UNITED STATES
Gold	Asaka Riken Co., Ltd.	JAPAN
Gold	Atasay Kuyumculuk Sanayi Ve Ticaret A.S.	TURKEY
Gold	Aurubis AG	GERMANY
Gold	Bangko Sentral ng Pilipinas (Central Bank of the Philippines)	PHILIPPINES
Gold	Bauer Walser AG	GERMANY
Gold	Boliden AB	SWEDEN
Gold	C. Hafner GmbH + Co. KG	GERMANY
Gold	Caridad	MEXICO

<b>Metal</b>	<b>Smelter Name</b>	<b>Smelter Country</b>
Gold	CCR Refinery - Glencore Canada Corporation	CANADA
Gold	Cendres + Métaux SA	SWITZERLAND
Gold	Chimet S.p.A.	ITALY
Gold	Chugai Mining	JAPAN
Gold	Daejin Indus Co., Ltd.	KOREA, REPUBLIC OF
Gold	Daye Non-Ferrous Metals Mining Ltd.	CHINA
Gold	DSC (Do Sung Corporation)	KOREA, REPUBLIC OF
Gold	DODUCO GmbH	GERMANY
Gold	Dowa	JAPAN
Gold	Eco-System Recycling Co., Ltd.	JAPAN
Gold	Elemetal Refining, LLC	UNITED STATES
Gold	Emirates Gold DMCC	UNITED ARAB EMIRATES
Gold	Faggi Enrico S.p.A.	ITALY
Gold	Fidelity Printers and Refiners Ltd.	ZIMBABWE
Gold	Gansu Seemine Material Hi-Tech Co., Ltd.	CHINA
Gold	Geib Refining Corporation	UNITED STATES
Gold	Great Wall Precious Metals Co., Ltd. of CBPM	CHINA
Gold	Guangdong Jinding Gold Limited	CHINA
Gold	Guoda Safina High-Tech Environmental Refinery Co., Ltd.	CHINA
Gold	Hangzhou Fuchunjiang Smelting Co., Ltd.	CHINA
Gold	Heimerle + Meule GmbH	GERMANY
Gold	Heraeus Ltd. Hong Kong	CHINA

<b>Metal</b>	<b>Smelter Name</b>	<b>Smelter Country</b>
Gold	Heraeus Precious Metals GmbH & Co. KG	GERMANY
Gold	Hunan Chenzhou Mining Co., Ltd.	CHINA
Gold	Hwasung CJ Co., Ltd.	KOREA, REPUBLIC OF
Gold	Inner Mongolia Qiankun Gold and Silver Refinery Share Company Limited	CHINA
Gold	Ishifuku Metal Industry Co., Ltd.	JAPAN
Gold	Istanbul Gold Refinery	TURKEY
Gold	Japan Mint	JAPAN
Gold	Jiangxi Copper Company Limited	CHINA
Gold	JSC Ekaterinburg Non-Ferrous Metal Processing Plant	RUSSIAN FEDERATION
Gold	JSC Uralelectromed	RUSSIAN FEDERATION
Gold	JX Nippon Mining & Metals Co., Ltd.	JAPAN
Gold	Kaloti Precious Metals	UNITED ARAB EMIRATES
Gold	Kazakhmys Smelting LLC	KAZAKHSTAN
Gold	Kazzinc	KAZAKHSTAN
Gold	Kennecott Utah Copper LLC	UNITED STATES
Gold	KGHM Polska Miedź Spółka Akcyjna	POLAND
Gold	Kojima Chemicals Co., Ltd.	JAPAN
Gold	Korea Metal Co., Ltd.	KOREA, REPUBLIC OF
Gold	Korea Zinc Co. Ltd.	KOREA, REPUBLIC OF
Gold	Kyrgyzaltyn JSC	KYRGYZSTAN
Gold	L' azurde Company For Jewelry	SAUDI ARABIA



<b>Metal</b>	<b>Smelter Name</b>	<b>Smelter Country</b>
Gold	Lingbao Gold Company Limited	CHINA
Gold	Lingbao Jinyuan Tonghui Refinery Co., Ltd.	CHINA
Gold	LS-NIKKO Copper Inc.	KOREA, REPUBLIC OF
Gold	Luoyang Zijin Yinhui Gold Refinery Co., Ltd.	CHINA
Gold	Materion	UNITED STATES
Gold	Matsuda Sangyo Co., Ltd.	JAPAN
Gold	Metahub Industries Sdn. Bhd.	MALAYSIA
Gold	Metalor Technologies (Hong Kong) Ltd.	CHINA
Gold	Metalor Technologies (Singapore) Pte., Ltd.	SINGAPORE
Gold	Metalor Technologies (Suzhou) Ltd.	CHINA
Gold	Metalor Technologies SA	SWITZERLAND
Gold	Metalor USA Refining Corporation	UNITED STATES
Gold	METALÚRGICA MET-MEX PEÑOLES, S.A. DE C.V	MEXICO
Gold	Mitsubishi Materials Corporation	JAPAN
Gold	Mitsui Mining and Smelting Co., Ltd.	JAPAN
Gold	MMTC-PAMP India Pvt., Ltd.	INDIA
Gold	Morris and Watson	NEW ZEALAND
Gold	Moscow Special Alloys Processing Plant	RUSSIAN FEDERATION
Gold	Nadir Metal Rafineri San. Ve Tic. A.Ş.	TURKEY
Gold	Navoi Mining and Metallurgical Combinat	UZBEKISTAN
Gold	Nihon Material Co., Ltd.	JAPAN
Gold	Ögussa Österreichische Gold- und Silber-Scheideanstalt GmbH	AUSTRIA
Gold	Ohura Precious Metal Industry Co., Ltd.	JAPAN

<b>Metal</b>	<b>Smelter Name</b>	<b>Smelter Country</b>
Gold	OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals Plant" (OJSC Krastsvetmet)	RUSSIAN FEDERATION
Gold	OJSC Kolyma Refinery	RUSSIAN FEDERATION
Gold	OJSC Novosibirsk Refinery	RUSSIAN FEDERATION
Gold	PAMP SA	SWITZERLAND
Gold	Penglai Penggang Gold Industry Co., Ltd.	CHINA
Gold	Prioksky Plant of Non-Ferrous Metals	RUSSIAN FEDERATION
Gold	PT Aneka Tambang (Persero) Tbk	INDONESIA
Gold	PX Précinox SA	SWITZERLAND
Gold	Rand Refinery (Pty) Ltd.	SOUTH AFRICA
Gold	Republic Metals Corporation	UNITED STATES
Gold	Royal Canadian Mint	CANADA
Gold	SAAMP	FRANCE
Gold	Sabin Metal Corp.	UNITED STATES
Gold	Samduck Precious Metals	KOREA, REPUBLIC OF
Gold	SAMWON Metals Corp.	KOREA, REPUBLIC OF
Gold	SAXONIA Edelmetalle GmbH	GERMANY
Gold	Schone Edelmetaal B.V.	NETHERLANDS
Gold	SEMPSA Joyería Platería SA	SPAIN
Gold	Shandong Tiancheng Biological Gold Industrial Co., Ltd.	CHINA
Gold	Shandong Zhaojin Gold & Silver Refinery Co., Ltd.	CHINA
Gold	Sichuan Tianze Precious Metals Co., Ltd.	CHINA

<b>Metal</b>	<b>Smelter Name</b>	<b>Smelter Country</b>
Gold	Singway Technology Co., Ltd.	TAIWAN
Gold	So Accurate Group, Inc.	UNITED STATES
Gold	SOE Shyolkovsky Factory of Secondary Precious Metals	RUSSIAN FEDERATION
Gold	Solar Applied Materials Technology Corp.	TAIWAN
Gold	Sudan Gold Refinery	SUDAN
Gold	Sumitomo Metal Mining Co., Ltd.	JAPAN
Gold	T.C.A S.p.A	ITALY
Gold	Tanaka Kikinzoku Kogyo K.K.	JAPAN
Gold	The Refinery of Shandong Gold Mining Co., Ltd.	CHINA
Gold	Tokuriki Honten Co., Ltd.	JAPAN
Gold	Tongling Nonferrous Metals Group Co., Ltd.	CHINA
Gold	Tony Goetz NV	BELGIUM
Gold	Torecom	KOREA, REPUBLIC OF
Gold	Umicore Brasil Ltda.	BRAZIL
Gold	Umicore Precious Metals Thailand	THAILAND
Gold	Umicore SA Business Unit Precious Metals Refining	BELGIUM
Gold	United Precious Metal Refining, Inc.	UNITED STATES
Gold	Valcambi SA	SWITZERLAND
Gold	Western Australian Mint trading as The Perth Mint	AUSTRALIA
Gold	WIELAND Edelmetalle GmbH	GERMANY
Gold	Yamamoto Precious Metal Co., Ltd.	JAPAN
Gold	Yokohama Metal Co., Ltd.	JAPAN
Gold	Yunnan Copper Industry Co., Ltd.	CHINA

<b>Metal</b>	<b>Smelter Name</b>	<b>Smelter Country</b>
Gold	Zhongyuan Gold Smelter of Zhongjin Gold Corporation	CHINA
Gold	Zijin Mining Group Co., Ltd. Gold Refinery	CHINA
Tantalum	Avon Specialty Metals Ltd	UNITED KINGDOM
Tantalum	Changsha South Tantalum Niobium Co., Ltd.	CHINA
Tantalum	Conghua Tantalum and Niobium Smeltry	CHINA
Tantalum	D Block Metals, LLC	UNITED STATES
Tantalum	Duoluoshan	CHINA
Tantalum	E.S.R. Electronics	UNITED STATES
Tantalum	Exotech Inc.	UNITED STATES
Tantalum	F&X Electro-Materials Ltd.	CHINA
Tantalum	FIR Metals & Resource Ltd.	CHINA
Tantalum	Global Advanced Metals Aizu	JAPAN
Tantalum	Global Advanced Metals Boyertown	UNITED STATES
Tantalum	Guangdong Zhiyuan New Material Co., Ltd.	CHINA
Tantalum	Guizhou Zhenhua Xinyun Technology Ltd., Kaili branch	CHINA
Tantalum	H.C. Starck Co., Ltd.	THAILAND
Tantalum	H.C. Starck GmbH Goslar	GERMANY
Tantalum	H.C. Starck GmbH Laufenburg	GERMANY
Tantalum	H.C. Starck Hermsdorf GmbH	GERMANY
Tantalum	H.C. Starck Inc.	UNITED STATES
Tantalum	H.C. Starck Ltd.	JAPAN
Tantalum	H.C. Starck Smelting GmbH & Co.KG	GERMANY

<b>Metal</b>	<b>Smelter Name</b>	<b>Smelter Country</b>
Tantalum	Hengyang King Xing Lifeng New Materials Co., Ltd.	CHINA
Tantalum	Hi-Temp Specialty Metals, Inc.	UNITED STATES
Tantalum	Jiangxi Dinghai Tantalum & Niobium Co., Ltd.	CHINA
Tantalum	Jiangxi Tuohong New Raw Material	CHINA
Tantalum	JiuJiang JinXin Nonferrous Metals Co., Ltd.	CHINA
Tantalum	Jiujiang Tanbre Co., Ltd.	CHINA
Tantalum	Jiujiang Zhongao Tantalum & Niobium Co., Ltd.	CHINA
Tantalum	KEMET Blue Metals	MEXICO
Tantalum	KEMET Blue Powder	UNITED STATES
Tantalum	King-Tan Tantalum Industry Ltd.	CHINA
Tantalum	LSM Brasil S.A.	BRAZIL
Tantalum	Metallurgical Products India Pvt., Ltd.	INDIA
Tantalum	Mineração Taboca S.A.	BRAZIL
Tantalum	Mitsui Mining & Smelting	JAPAN
Tantalum	Molycorp Silmet A.S.	ESTONIA
Tantalum	Ningxia Orient Tantalum Industry Co., Ltd.	CHINA
Tantalum	Plansee SE Liezen	AUSTRIA
Tantalum	Plansee SE Reutte	AUSTRIA
Tantalum	QuantumClean	UNITED STATES
Tantalum	Resind Indústria e Comércio Ltda.	BRAZIL
Tantalum	RFH Tantalum Smeltry Co., Ltd.	CHINA
Tantalum	Solikamsk Magnesium Works OAO	RUSSIAN FEDERATION
Tantalum	Taki Chemicals	JAPAN

<b>Metal</b>	<b>Smelter Name</b>	<b>Smelter Country</b>
Tantalum	Telex Metals	UNITED STATES
Tantalum	Tranzact, Inc.	UNITED STATES
Tantalum	Ulba Metallurgical Plant JSC	KAZAKHSTAN
Tantalum	XinXing HaoRong Electronic Material Co., Ltd.	CHINA
Tantalum	Yichun Jin Yang Rare Metal Co., Ltd.	CHINA
Tantalum	Zhuzhou Cemented Carbide	CHINA
Tin	Alpha	UNITED STATES
Tin	An Thai Minerals Company Limited	VIET NAM
Tin	An Vinh Joint Stock Mineral Processing Company	VIET NAM
Tin	Chenzhou Yunxiang Mining and Metallurgy Company Limited	CHINA
Tin	China Tin Group Co., Ltd.	CHINA
Tin	CNMC (Guangxi) PGMA Co., Ltd.	CHINA
Tin	Cooperativa Metalurgica de Rondônia Ltda.	BRAZIL
Tin	CV Ayi Jaya	INDONESIA
Tin	CV Dua Sekawan	INDONESIA
Tin	CV Gita Pesona	INDONESIA
Tin	CV Serumpun Sebalai	INDONESIA
Tin	CV Tiga Sekawan	INDONESIA
Tin	CV United Smelting	INDONESIA
Tin	CV Venus Inti Perkasa	INDONESIA
Tin	Dowa	JAPAN
Tin	Electro-Mechanical Facility of the Cao Bang Minerals & Metallurgy Joint Stock Company	VIET NAM
Tin	Elmet S.L.U. (Metallo Group)	SPAIN

<b>Metal</b>	<b>Smelter Name</b>	<b>Smelter Country</b>
Tin	EM Vinto	BOLIVIA
Tin	Estanho de Rondônia S.A.	BRAZIL
Tin	Feinhütte Halsbrücke GmbH	GERMANY
Tin	Fenix Metals	POLAND
Tin	Gejiu Fengming Metallurgy Chemical Plant	CHINA
Tin	Gejiu Kai Meng Industry and Trade LLC	CHINA
Tin	Gejiu Non-Ferrous Metal Processing Co., Ltd.	CHINA
Tin	Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.	CHINA
Tin	Gejiu Zili Mining And Metallurgy Co., Ltd.	CHINA
Tin	Guanyang Guida Nonferrous Metal Smelting Plant	CHINA
Tin	HuiChang Hill Tin Industry Co., Ltd.	CHINA
Tin	Huichang Jinshunda Tin Co., Ltd.	CHINA
Tin	Jiangxi Ketai Advanced Material Co., Ltd.	CHINA
Tin	Linwu Xianggui Ore Smelting Co., Ltd.	CHINA
Tin	Magnu's Minerais Metais e Ligas Ltda.	BRAZIL
Tin	Malaysia Smelting Corporation (MSC)	MALAYSIA
Tin	Melt Metais e Ligas S/A	BRAZIL
Tin	Metahub Industries Sdn. Bhd.	MALAYSIA
Tin	Metallic Resources, Inc.	UNITED STATES
Tin	Metallo-Chimique N.V.	BELGIUM
Tin	Mineração Taboca S.A.	BRAZIL
Tin	Minsur	PERU
Tin	Mitsubishi Materials Corporation	JAPAN
Tin	Nankang Nanshan Tin Manufactory Co., Ltd.	CHINA
Tin	Nghe Tinh Non-Ferrous Metals Joint Stock Company	VIET NAM

<b>Metal</b>	<b>Smelter Name</b>	<b>Smelter Country</b>
Tin	O.M. Manufacturing (Thailand) Co., Ltd.	THAILAND
Tin	O.M. Manufacturing Philippines, Inc.	PHILIPPINES
Tin	Operaciones Metalurgical S.A.	BOLIVIA
Tin	Phoenix Metal Ltd.	RWANDA
Tin	PT Alam Lestari Kencana	INDONESIA
Tin	PT Aries Kencana Sejahtera	INDONESIA
Tin	PT Artha Cipta Langgeng	INDONESIA
Tin	PT ATD Makmur Mandiri Jaya	INDONESIA
Tin	PT Babel Inti Perkasa	INDONESIA
Tin	PT Bangka Kudai Tin	INDONESIA
Tin	PT Bangka Prima Tin	INDONESIA
Tin	PT Bangka Timah Utama Sejahtera	INDONESIA
Tin	PT Bangka Tin Industry	INDONESIA
Tin	PT Belitung Industri Sejahtera	INDONESIA
Tin	PT BilliTin Makmur Lestari	INDONESIA
Tin	PT Bukit Timah	INDONESIA
Tin	PT Cipta Persada Mulia	INDONESIA
Tin	PT DS Jaya Abadi	INDONESIA
Tin	PT Eunindo Usaha Mandiri	INDONESIA
Tin	PT Fang Di MulTindo	INDONESIA
Tin	PT Inti Stania Prima	INDONESIA
Tin	PT Justindo	INDONESIA
Tin	PT Karimun Mining	INDONESIA
Tin	PT Kijang Jaya Mandiri	INDONESIA
Tin	PT Mitra Stania Prima	INDONESIA



<b>Metal</b>	<b>Smelter Name</b>	<b>Smelter Country</b>
Tin	PT Panca Mega Persada	INDONESIA
Tin	PT Pelat Timah Nusantara Tbk	INDONESIA
Tin	PT Prima Timah Utama	INDONESIA
Tin	PT Refined Bangka Tin	INDONESIA
Tin	PT Sariwiguna Binasentosa	INDONESIA
Tin	PT Seirama Tin Investment	INDONESIA
Tin	PT Stanindo Inti Perkasa	INDONESIA
Tin	PT Sukses Inti Makmur	INDONESIA
Tin	PT Sumber Jaya Indah	INDONESIA
Tin	PT Timah (Persero) Tbk Kundur	INDONESIA
Tin	PT Timah (Persero) Tbk Mentok	INDONESIA
Tin	PT Tinindo Inter Nusa	INDONESIA
Tin	PT Tirus Putra Mandiri	INDONESIA
Tin	PT Tommy Utama	INDONESIA
Tin	PT Wahana Perkit Jaya	INDONESIA
Tin	Resind Indústria e Comércio Ltda.	BRAZIL
Tin	Rui Da Hung	TAIWAN
Tin	Soft Metais Ltda.	BRAZIL
Tin	Thaisarco	THAILAND
Tin	Tuyen Quang Non-Ferrous Metals Joint Stock Company	VIET NAM
Tin	VQB Mineral and Trading Group JSC	VIET NAM
Tin	White Solder Metalurgia e Mineração Ltda.	BRAZIL
Tin	Yunnan Chengfeng Non-ferrous Metals Co., Ltd.	CHINA
Tin	Yunnan Tin Group (Holding) Company Limited	CHINA
Tungsten	A.L.M.T. TUNGSTEN Corp.	JAPAN

<b>Metal</b>	<b>Smelter Name</b>	<b>Smelter Country</b>
Tungsten	ACL Metais Eireli	BRAZIL
Tungsten	Asia Tungsten Products Vietnam Ltd.	VIET NAM
Tungsten	Chenzhou Diamond Tungsten Products Co., Ltd.	CHINA
Tungsten	Chongyi Zhangyuan Tungsten Co., Ltd.	CHINA
Tungsten	Dayu Jincheng Tungsten Industry Co., Ltd.	CHINA
Tungsten	Dayu Weiliang Tungsten Co., Ltd.	CHINA
Tungsten	Fujian Jinxin Tungsten Co., Ltd.	CHINA
Tungsten	Ganxian Shirui New Material Co., Ltd.	CHINA
Tungsten	Ganzhou Huaxing Tungsten Products Co., Ltd.	CHINA
Tungsten	Ganzhou Jiangwu Ferrotungsten Co., Ltd.	CHINA
Tungsten	Ganzhou Non-ferrous Metals Smelting Co., Ltd.	CHINA
Tungsten	Ganzhou Seadragon W & Mo Co., Ltd.	CHINA
Tungsten	Ganzhou Yatai Tungsten Co., Ltd.	CHINA
Tungsten	Global Tungsten & Powders Corp.	UNITED STATES
Tungsten	Guangdong Xianglu Tungsten Co., Ltd.	CHINA
Tungsten	H.C. Starck GmbH	GERMANY
Tungsten	H.C. Starck Smelting GmbH & Co.KG	GERMANY
Tungsten	Hunan Chenzhou Mining Co., Ltd.	CHINA
Tungsten	Hunan Chuangda Vanadium Tungsten Co., Ltd. Wuji	CHINA
Tungsten	Hunan Chuangda Vanadium Tungsten Co., Ltd. Yanglin	CHINA
Tungsten	Hunan Chunchang Nonferrous Metals Co., Ltd.	CHINA
Tungsten	Hydrometallurg, JSC	RUSSIAN FEDERATION
Tungsten	Japan New Metals Co., Ltd.	JAPAN
Tungsten	Jiangwu H.C. Starck Tungsten Products Co., Ltd.	CHINA

<b>Metal</b>	<b>Smelter Name</b>	<b>Smelter Country</b>
Tungsten	Jiangxi Dayu Longxintai Tungsten Co., Ltd.	CHINA
Tungsten	Jiangxi Gan Bei Tungsten Co., Ltd.	CHINA
Tungsten	Jiangxi Minmetals Gao'an Non-ferrous Metals Co., Ltd.	CHINA
Tungsten	Jiangxi Tonggu Non-ferrous Metallurgical & Chemical Co., Ltd.	CHINA
Tungsten	Jiangxi Xinsheng Tungsten Industry Co., Ltd.	CHINA
Tungsten	Jiangxi Xiushui Xianggan Nonferrous Metals Co., Ltd.	CHINA
Tungsten	Jiangxi Yaosheng Tungsten Co., Ltd.	CHINA
Tungsten	Kennametal Fallon	UNITED STATES
Tungsten	Kennametal Huntsville	UNITED STATES
Tungsten	Malipo Haiyu Tungsten Co., Ltd.	CHINA
Tungsten	Moliren Ltd	RUSSIAN FEDERATION
Tungsten	Niagara Refining LLC	UNITED STATES
Tungsten	Nui Phao H.C. Starck Tungsten Chemicals Manufacturing LLC	VIET NAM
Tungsten	Philippine Chuangin Industrial Co., Inc.	PHILIPPINES
Tungsten	Pobedit, JSC	RUSSIAN FEDERATION
Tungsten	Sanher Tungsten Vietnam Co., Ltd.	VIET NAM
Tungsten	Tejing (Vietnam) Tungsten Co., Ltd.	VIET NAM
Tungsten	Vietnam Youngsun Tungsten Industry Co., Ltd.	VIET NAM
Tungsten	Wolfram Bergbau und Hütten AG	AUSTRIA
Tungsten	Woltech Korea Co., Ltd.	KOREA, REPUBLIC OF
Tungsten	Xiamen Tungsten (H.C.) Co., Ltd.	CHINA

<b>Metal</b>	<b>Smelter Name</b>	<b>Smelter Country</b>
Tungsten	Xiamen Tungsten Co., Ltd.	CHINA
Tungsten	Xinhai Rendan Shaoguan Tungsten Co., Ltd.	CHINA