

Fairphone 3 Suppliers, Smelters and Refiners

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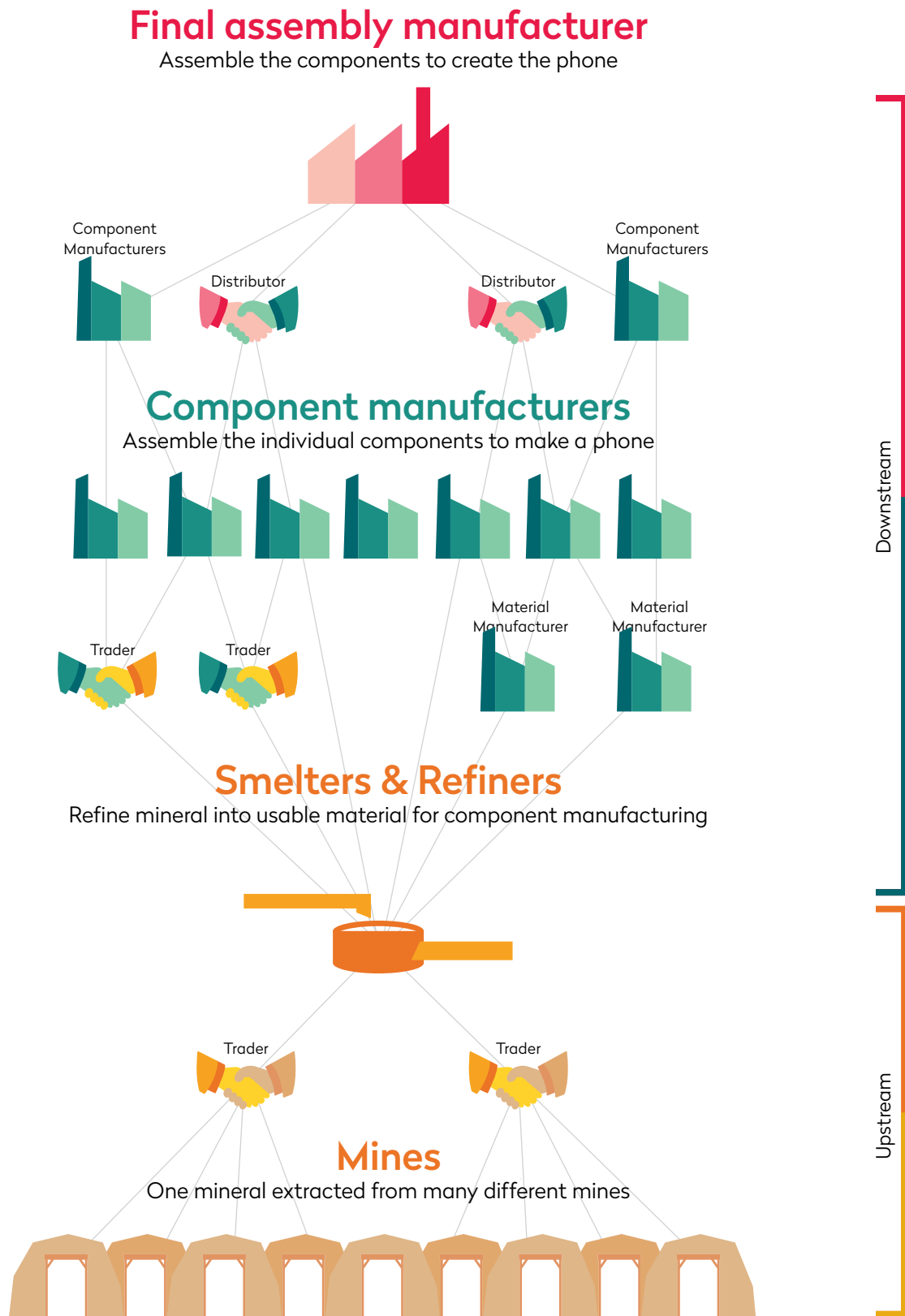
Transparency: the first step in fairer supply chains

Fairphone was founded with the aim of creating a positive impact on the value chain of consumer electronics. We began making phones to become part of the industry, gain a deeper understanding of how things work and what the issues are in order to affect change from the inside out. But you cannot change what you do not know. Therefore, the first and most crucial step in this process is gathering information.

Smartphones are intricate products made up of thousands of different components. Each of these parts comes from different suppliers and contain a wide variety of materials. As a result, our supply chain includes mines, smelters, refiners and different tiers of manufacturers that span the entire globe. While it may seem like an impossible task, step by step, we are mapping our supply chain to understand exactly what goes into our phone and where it comes from. By learning more about the hundreds of actors and locations involved in our smartphone supply chain, we can take an informed approach to making a difference. For Fairphone, that goes beyond audits, assessments and compliance. For example, it includes sourcing from more responsible mines and actively connecting them to our supply chain. It also means finding and engaging with suppliers that share our values and initiating improvement programs at the factories and beyond.

This document offers an introduction to our supply chain approach, and a summary of what we have learned about the Fairphone 3 supply chain to date.

Simplified representation of a smartphone supply chain



This graph is a simplified reflection of the Fairphone supply chain. In electronics, a variety of set-ups is possible and this graph should not be taken as a one-size-fits all for other products and brands.

List of Suppliers

Our approach to identifying and working with suppliers

At Fairphone, we believe that each supplier and workplace requires a tailored approach to create a positive impact that is sustainable. However, we can't do this with all suppliers at once. Therefore, we're taking a step-by-step approach to mapping and improving our supply chain:

Mapping our suppliers

Over the past years, we've been working to uncover all the different actors involved in making our phones. Based on a combination of desk research and direct communication with Fairphone 3 suppliers, we've now mapped 76 suppliers, ranging from the first to fourth tier in our supply chain. We update this information regularly and are digging into deeper layers of the supply chain.

Collaboration and setting expectations

Supply chains are long and complex, and we believe that getting suppliers involved in our mission is the only way to increase understanding of the issues and influence real change. Our code of conduct, the Fairphone Ways of Working Together, contains our policies and expectations for working with all of our partners and suppliers, covering topics like human rights, health and safety, the environment, ethics and responsible sourcing.

Seeking opportunities for improvement

As we engage with our suppliers, we aim to identify opportunities for creating positive change. Starting with a selection of manufacturers, we're building relationships, completing collaborative evaluations and initiating improvement programs. These programs address a variety of issues, ranging from reducing the use of hazardous chemicals at the factories to enhancing employee influence over day-to-day operations by strengthening worker-management dialogue. Some of our initiatives stretch beyond our own supply chain, and include governments, non-profit organizations, industry experts and even other electronics companies.

Fairphone 3 suppliers at a glance

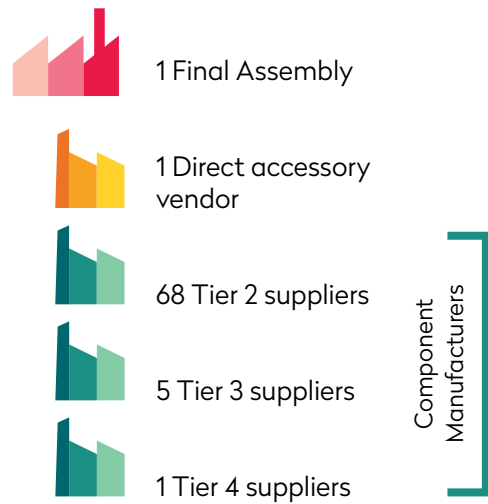
Supplier Tiers

Supplier tiers are calculated from the point of the final assembly. So component manufacturers that supply our final assembly partner are tier 2. The component suppliers that they work with are tier 3, and companies who work with these component suppliers are tier 4.

What have we learned about our supply chain so far? Here's a snapshot of the most important findings. Note that these are not all the suppliers in our supply chain as there are many more and we are mapping these step by step.

The first version of Fairphone 3 supplier list presents all the first-tier and second-tier suppliers, as well as the third and fourth tier suppliers that we are directly engaged with.

We've identified a total of 76 suppliers, including:



We identified the manufacturing facilities of 65* suppliers. Most of these are located in Asia, particularly China:

Location	Count	%
China	48	74%
Japan	1	2%
Korea	4	6%
Taiwan	12	18%

*The rest of suppliers have so far disclosed only the locations of headquarters.

List of Suppliers

This list includes all of the suppliers associated with the production of the Fairphone 3 that we have identified to date. It is accurate to the best of our knowledge at the time of publication. Inclusion on the list does not imply that these manufacturers are “fairer” than their competitors, or that Fairphone has a direct relationship with these companies and is influencing their business practices.

Here are a few explanations that will help you better understand our list of suppliers:


Addresses

Whenever possible, we have listed the (approximate) manufacturing location. If this information was not available, we have provided the location of the company headquarters.

Categories

Suppliers are grouped by the type of components they produce. Some suppliers may be mentioned more than once because they produce different kinds of components, sometimes with different manufacturing locations.

Projects

We work with selected suppliers on specific initiatives designed to make improvements in our supply chain, such as worker welfare and sourcing fair materials. The Program symbol  indicates that a supplier was included in one of these supplier engagement initiatives.

Phone Assembly - Fairphone 3

Supplier	Address: Manufacturing and Headquarters	Website
Arima Communications Corp. 	Headquarters: No. 866, Zhongzheng Road, Zhonghe District, New Taipei City, Taiwan Manufacturing: No.168, Jiaotong North Road, Wujiang Economic Development Zone, Suzhou, Jiangsu, 215200, China	www.arimacomm.com.tw

Semiconductors - Integrated Circuits, Discretives & LEDs

Supplier	Address: Manufacturing or Headquarters	Website
Qualcomm	Headquarters: 5775 Morehouse Drive, San Diego, California 92121, USA	www.qualcomm.com
Asahi Kasei	Manufacturing (TSMC): 9, Ccreation Rd. 1, Hsinchu Science Park, Hsinchu, 30077, Taiwan	www.akm.com
Awinic Technology	Manufacturing (TSMC): 9, Ccreation Rd. 1, Hsinchu Science Park, Hsinchu, 30077, Taiwan	www.awinic.com.cn
Diodes	Manufacturing: NO.1, Lane 18, Sanzhuang Road, Songjiang Export Zone, Songjiang District, Shanghai, China	www.diodes.com
Wuxi ETEK Microelectronics	Manufacturing: NO.8 Xin Hui Huan Road, New District, Wuxi, Jiangsu, China	www.etek.com
Infineon Technologies	Headquarters: Am Campeon 1-15. 85579 Neubiberg, Germany.	www.infineon.com
InvenSense	Manufacturing: 7F, No.9 Prosperity 1st Road, Hsinchu Science Park, 30078, Taiwan	www.invensense.com
Kinetic Technologies	Headquarters: Room 405, Building 1, No.2966, Jinke Road, Zhangjiang High-Tech Park Pudong District, Shanghai, 201203, China	www.kinet-ic.com
Ricoh Electronics	Manufacturing: 13-1, Himemuro-cho, Ikeda-shi, Osaka 563-8501, Japan	www.rei.ricoh.com
Amotech	Manufacturing: 5BL-1 Lot, 617, Namchon-Dong, Namdong-Gu, Incheon, Korea	www.amotech.co.kr
EMINENT	Manufacturing: 6F, No.12, Innovation 1st Rd. Hsinchu Science Park, Hsinchu, 30076, Taiwan	www.eminent-tek.com
EVERLIGHT	Manufacturing: No.35, Lane Guoguang, Yutian Village, Yuanli Township, Miaoli, 358, Taiwan	www.everlight.com
Lision	Manufacturing: No.7-1, Ziqiang 1st Rd., Zhongli City, Taoyuan County, 320, Taiwan	www.li-sion.com.tw
NXP Semiconductors	Headquarters: High Tech Campus 60, 5656 AG Eindhoven, The Netherlands	www.nxp.com
Prisemi Electronics	Headquarters: Building 7, No.2277 ZuChongZhi Road, Zhangjiang High-tech Park, Shanghai, China	www.prisemi.com
Will Semiconductor	Headquarters: Floor 7, Building 4, No.3000, Longdong, Ave, Pudong, ShangHai, 201203, China	www.willsemi.com
Qorvo	Manufacturing: 17 Tongji Middle Road, Industrial Park of Beijing Economic & Technological Development Area Daxing, Beijing 100176, China	www.qorvo.com
Samsung	Manufacturing: 1, Samsungjeonja-ro, Hwaseong-si, Gyeonggi-do 18448, Korea	www.samsung.com/semiconductor
Texas Instruments	Headquarters: 12500 TI Boulevard Dallas, Texas 75243, USA	www.ti.com

Passives

Supplier	Address: Manufacturing	Website
Chilisin	Manufacturing: No.78, Puxing East Rd., Yuliangwei Administration Area, Qingxin Town, Dongguan city, Guangdong, 523649, China	www.chilisin.com
Moda-Innochips	Manufacturing: 11B-16L, Banwol Industrial Complex, 769-12, Wonsi-Dong, Danwon-Gu, Ansan-si, Gyeonggi-Do, Korea	www.innochips.co.kr
Ralec Electronic	Manufacturing: No 333, Huangpujiang Zhong Road, Kunshan, Jiangsu Province, China	www.ralec.com
Shenzhen Sunlord	Manufacturing: Sunlord Industrial Park, Dafuyuan Industrial Zone, Guanlan, Shenzhen, China	www.sunlordinc.com
TA-I	Manufacturing: NO.675, Luxiang North Road, Songling Town, Wujiang, China	www.tai.com.tw
Harmony Electronics	Manufacturing: No.39, Huadong Road., Daliao Dist., Dafa Industrial Park, Kaohsiung City, Taiwan	www.hele.com.tw
INPAQ Technology	Manufacturing: No.5, Chunqiu Road, Panyang Industrial Park, Huangdai Town, Xiangcheng Zone, Suzhou City, Jiangsu Province, 215143, China	www.inpaq.com.tw
KDS	Manufacturing (Harmony Electronics): No.40, Huadong Road., Daliao Dist., Dafa Industrial Park, Kaohsiung City, Taiwan	www.kds.info
Taiyo Yuden	Manufacturing: No.13 Keji Dong Road, Shi Jie Town, Dongguan City, Guangdong Province, 523290, China	www.t-yuden.com
TDK Corporation [EPCOS]	Manufacturing: No. 1-19 Liansheng Road, JiMei Industrial Park, Xiamen, Fujian, China	www.global.tdk.com
Walsin Technology	Manufacturing: NO.566-1, Kao-Shi Road, Yang-Mei, TaoYuan, 32668, Taiwan	www.passivecomponent.com
Yageo Corporation	Manufacturing: 10, Zhuyuan Road, Huqiu, Suzhou, Jiangsu, China	www.yageo.com
VYYONG (EYang)	Manufacturing: VYYONG Industry Zone, No.1, Chuangye 2nd Road, Luoding, Yunfu, Guangdong, China	No official website

Electromechanical, MEMS

Supplier	Address: Manufacturing or Headquarters	Website
Memsensing	Headquarters: Suite 501, Bldg NW-09, 99 Jin Ji Hu Rd, Suzhou Industrial Park, 215123, China	www.memsensing.com
Jiangsu Yu Cheng ★ Program	Manufacturing: South Area of Industrial District, Benniu Town, Changzhou, Jiangsu, 213131, China	qsy.cz001.com.cn/co.asp?id=4718
Baolong Electronics ★ Program	Manufacturing: No.388, East Ningkan Road, Yueqing City, Zhejiang, China	www.baolong.com
Tianjia ★ Program	Manufacturing: 171 Yu Yin Road, YaoBei village, Hong Qiao, Yue Qing, ZheJiang, China	www.cntjdz.net

Connectors, Clips, Spring Contacts, Cables

Supplier	Address: Manufacturing or Headquarters	Website
CviLux Corporation	Manufacturing: 9F, No.9, Lane 3, Sec.1, Chung-Cheng East Road, Tamshui, New Taipei City 25147, Taiwan	www.cvilux.com
Assem Tech	Manufacturing: No.17, Minquan St., Tucheng Dist., New Taipei City, 236, Taiwan	www.assem.com.tw
Molex	Manufacturing: No 363, Bailu Road, Kunshan City, Jiangsu province, China	www.molex.com
Kunzhon Electronics	Manufacturing: Fenghuangshan industrial zone, shajiao Humen Town, DongGuan City, GuangDong Province, China	No official website
JustConnector Kushan	Manufacturing: No.1389, Zizhu Road, Yushan Town, Kunshan City, Jiangsu Province, China	No official website
Goldenconn Electronics	Manufacturing: No.777 Xiuhu West Road, Wujiang Economic Development Zone, Suzhou, 215200, China	www.goldenconn.com
Electric Connector Technology (ECT)	Manufacturing: No.8-A Building, Jinxiu Industrial Park, Xitian Village, Gongming, Bao'an, Shenzhen, China	www.ectsz.com
Hirose	Headquarters: 5-5-23 Osaki, Shinagawa-ku, Tokyo, Shinagawa-ku, Tokyo, Japan	www.hirose.com
Speed Tech	Manufacturing: No. 568, Sec 1, Minsheng N. Road., Kweishan Hsiang, Taoyuan Hsien, 33393, Taiwan	www.speedtech.com.tw
Yuliang Electronics	Manufacturing: No. 168, Hankun Road, Kunshan City, Jiangsu province, China	www.cylconn.com
Murata	Headquarters: 10-1, Higashikotari 1-chome, Nagaokakyo-shi, Kyoto 617-8555, Japan The parts Murata supplies for Fairphone 3 are produced in China, Philippines, Japan, and Singapore.	www.murata.com
Molex	Manufacturing (Suzhou Fuxing Rui Electronics): No 363, Bailu Road, Kunshan City, Jiangsu province, China	www.yokowoconnector.com

Display, Touch Screen

Supplier	Address: Manufacturing	Website
DJN Optronics Technology	Manufacturing: Building A5 & A6, Phoenix No.3 Industrial Zone, Shenzhen, Guangdong, China	www.djnlcd.com
Dolfa Technology	Manufacturing: South of Dongye Road, Hou Jie Technology industry Park, Dongguan, Guangdong, China	www.dolfa.com/
Corning	Headquarters: One Riverfront Plaza Corning, New York 14831, USA	www.corning.com

Cameras

Supplier	Address: Manufacturing	Website
O-Film	Manufacturing: OFILM Park, Huafa Section, Songbai Road, Gongming street, Baoan District, Shenzhen, Guangdong, China	www.o-film.com/en/
Holitech Technology	Manufacturing: CCM business unit, Heli Technology park, Taihe Industrial Park, Jian City, Jiangxi Province, 343700, China	www.holitech.net/

Printed Circuit Board

Supplier	Address: Manufacturing	Website
Gold Circuit Electronics ★ Program	Manufacturing: No.16 Dongnan Road, Changshu New & Hi-tech Industrial Development Zone, Changshu City, Jiangsu, 215500, China	www.gce.com.tw
Jiangsu-SUDA Special Chemical	Manufacturing: 88 Nancun Rd, Wujiang Qu, Suzhou Shi, Jiangsu Sheng, China	www.sudachem.com
Huaxi Copper Products	Manufacturing: Huaxi Village, Jiangsu, China	www.hxcty.com
Zhangjiagang United Copper	Manufacturing: Sanxing Street Jinfeng Town Zhangjiagang, 215624, China	www.lianhecopper.com

Flexible Printed Circuits

Supplier	Address: Manufacturing	Website
Zhuhai All-Winner FPC	Manufacturing: 17 Kuiqing road, Qingxi, Dongguan, Guangdong, China	www.kinwong.com

Soldering Paste

Supplier	Address: Manufacturing	Website
AIM Solder ★ Program	Manufacturing: No. 1208-1, Chenwang Road, Taihu Street, Changxing County, Huzhou City, Zhejiang Province, 313100, China	www.aimsolder.com

Battery

Supplier	Address: Manufacturing	Website
Fuji Electronics	Manufacturing: 10th building, 2nd industrial district, Tangxiachong Industry Ave, Baan Qu, Shenzhen Shi, Guangdong Sheng, China	www.fujielectronics.com.cn

Plastics

Supplier	Address: Manufacturing	Website
Creator Solutions	Manufacturing: No. 5 HongFeng Road, SIP (Suzhou Industry Park), Suzhou, 215021, China	www.creator-solutions.com
Lotte Advanced Materials	Manufacturing: 334-27 Yeosusandan-ro Yeosu, Jeollanam-do, South Korea	www.lotteadms.com

Shields, Metal Parts, Screws

Supplier	Address: Manufacturing	Website
H.N.M	Manufacturing: No.1 Gaoding Rd, Kunshan Shi, Suzhou Shi, Jiangsu Sheng, China	www.hnm.com.cn
Chuangjuren Electronics	Manufacturing: NO. 123, Fuhua Rd, Wujiang Qu, Suzhou Shi, Jiangsu Sheng, 215200, China	No official website
Heryang technology	Manufacturing: NO.6, Zhengfa Industrial Park, Baixue new Rode Dongnan Development Zone, Changshu City Jiangsu province, China	No official website

Packaging , Labels, Adhesive

Supplier	Address: Manufacturing	Website
HSIN YI DE (KUN SHAN)	Manufacturing: 136, Dongrong Road, Kunshan Shi, Suzhou Shi, Jiangsu Sheng, 215300, China	www.guoxinyao.diytrade.com
Kunshan Yilin Printing	Manufacturing: NO.1378, Fushikang RD Chengbei Yushan Town, Kunshan City, Jiangsu, China	No official website
RUN HAO	Manufacturing: 218, Maopeng Rd, Wuzhong Qu, Suzhou Shi, Jiangsu Sheng, 215164, China	No official website
ChangHong	Manufacturing: Zone A, Weiting Industry Park, Weixin Rd, Wuzhong Qu, Suzhou Shi, Jiangsu Sheng, China	www.chbzzp.cn
Suzhou Hualong Adhesive	Manufacturing: 58, Xingwu Road Wuzhong Economic Development Zone, Suzhou, 215128, China	www.huamao-auto.com

Accessories

Supplier	Address: Manufacturing or Headquarters	Website
SKECH	Manufacturing (Sunonline Precision): Building 1 to 3, Hengzhao Industrial Zone, Hongqiaotou Community, Yanluo Street, Baoan District, Shenzhen, Guangdong, China	www.skechit.com
ABP	Manufacturing: B2 Building, Xin Hao Sheng Ding Feng Industrial zone, Fuhai Street, Bao'an District, Shenzhen 518103, China	www.abp.com.hk
Jetvox	Headquarters: No. 22, Dalin Rd., Taoyuan Dist., Taoyuan City, 330, Taiwan	www.jvox.com.tw
Mconomy	Manufacturing (Besky Electronics): Chengtian Industrial Park, Shatian Town, Dongguan City, Guangdong Sheng, China	www.mconomy.nl
Interconnect Products [Freeport]	Manufacturing: No. 29 Haibin Rd., WuSha the 6th Industrial Ave., Chang-an Town, Dongguan City, Guangdong Province, China	www.freprt.com

List of Smelters and Refiners

Our approach to identifying and working with smelters and refiners

Fairphone uses a top-down approach in its due diligence process to find out which smelters and refiners are part of our supply chain. We (sometimes literally) travel from the top to the bottom of our supply chain, gathering a paper trail, and revealing each player involved, step by step. In addition, with a selection of materials, we are using a bottom-up approach to actively connect responsible mining initiatives to our supply chain, first identifying the best practices and initiatives in mining and then encouraging and supporting specific suppliers to source from these to develop a fully transparent supply chain, component by component.

Thanks to the information we have gathered from our suppliers, we have identified the smelters and refiners for the four defined conflict minerals: tin, tantalum, tungsten and gold. While certain suppliers report the smelters and refiners they work with per actual component they supply for the Fairphone 3 (reporting on a 'product level'), others simply share all the smelters and refiners they work with as a company (reporting on a 'company level'), leading to a very large number of smelters and refiners being reported and making it impossible to know if they are indeed directly involved in the Fairphone supply chain. Moreover, it is challenging to validate whether indeed all, as well as the correct supply chain connections, have been reported. (this is another reason why we consider it important to work bottom-up, to develop a real transparent supply chain). Therefore this section presents all smelters and refiners that are potentially providing materials for Fairphone.

Due diligence

The OECD Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas is a framework that sets the industry standard for due diligence. To monitor that the production of our phones doesn't contribute to conflict or human rights violations Fairphone follows the five-step approach as presented in the OECD guidelines:

1. Establish strong company management systems

Fairphone's Responsible Sourcing Policy outlines our commitment to making a positive impact in

collaboration with our partners and suppliers. We also have a Standard Operating Procedure for Mineral Due Diligence, which defines our internal processes for collecting information about our supply chain, including the roles and responsibilities of the legal, value chain and product teams. It also describes our record-keeping processes for the information we collect from and about our suppliers.

2. Identify and assess risk in the supply chain

We collect a variety of information from our suppliers, including material declarations, to understand which components contain tin, tantalum, tungsten and gold. We also ask suppliers to identify their smelters and refiners by cascading a conflict mineral report (CMRT) down their supply chain. We evaluate this information collected based on a variety of criteria, including accuracy and compliance of the reported refiners/smelters with the Responsible Minerals Assurance Process (RMAP).

3. Design and implement a strategy to respond to identified risks

If we identify information or practices that we consider concerning, we conduct further research. If any red flags are identified, we reach out to our suppliers for further clarification. For certain situations, we may need to end the relationship; for others we may develop a collaborative plan for improvement.

4. Carry out independent third-party audit of supply chain due diligence

The conflict mineral reports from our component

suppliers includes a list of the smelters they work with. As a small player, we don't have the resources to conduct additional audits on our own. We therefore rely on industry-wide programs like the Responsible Minerals Initiative (RMI) audits or other recognized third-party audits to check the status of identified smelters.

5. Report annually on supply chain due diligence

We report on our supply chain due diligence and related improvement projects through our website, blog, annual Impact Report and this List of Suppliers.

Seeking opportunities for improvement

For the electronics sector, due diligence focuses heavily on conflict financing of the four recognized conflict minerals (tin, tantalum, tungsten and gold) originating from the Democratic Republic of the Congo (DRC) and the surrounding countries. Industry audits are generally only covering these topics (see 3rd party audit status). However, we recognize that

conflict, human rights and environmental issues happen in a wider range of material supply chains and countries, and go far beyond financing conflict. In addition, we believe it's not enough to simply minimize or avoid risks through a process of due diligence. That's why we're actively searching for opportunities to make a positive impact, especially in conflict-affected areas.

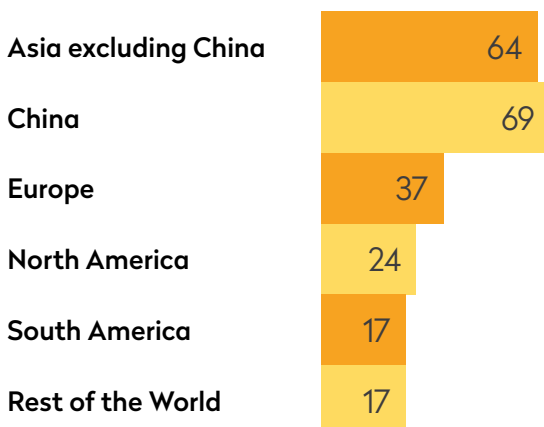
We have already found more responsible sources of tin, tantalum, tungsten and gold, and worked with mines, smelters, suppliers and a wide range of other parties to integrate them into the supply chain of specific components aiming to grow volumes to more and more components in time. In 2017, we conducted extensive research on 38 of the materials found in our phones and published a materials scoping study. This is helping us prioritize which materials to focus on next and identify new opportunities for improvement projects.

Fairphone 3 smelters and refiners at a glance

What have we learned about smelters and refiners so far? Here is a snapshot of the most important findings.

- **100%** of the suppliers we contacted provided information on the tin, tantalum, tungsten and gold smelters they are sourcing from.
- Of these, **75%** reported on a company or product category level; the rest reported on product level.

We have identified **228** eligible smelter and refiners. They come from:



Material origins based on above smelters and refiners who have passed the audit:

	Gold	Tungsten	Tin	Tantalum
Smelters known to directly source from the DRC	0	2	2	8
Smelters known to directly source from the DRC's adjoining countries (but Not the DRC itself)	2	5	1	10
Smelters known to directly source from the recycled sources	14	19	20	23
Smelters known to indirectly source from the DRC	0	1	6	18
Smelters known to indirectly source from the DRC's adjoining countries (but Not the DRC itself)	0	5	6	19
Smelters known to indirectly source from the recycled sources	6	6	10	18
Unknown origins or disclosing to auditors only	69	0	0	0

Source: RCOI (Reasonable Country of Origin Inquiry) list; the data presented includes both direct and indirect sources

Third-party audit* status for smelters and refiners of the four defined conflict minerals

*This audit checks whether smelters/refiners have the right processes in place to determine whether or not their materials come from the DRC

	Total reported	Audit passed	Audit in progress	Audit not valid
Gold	109	105	0	4
Tantalum	36	36	0	0
Tin	43	41	1	1
Tungsten	40	40	0	0

List of Smelters and Refiners

All the details shared here are accurate to the best of our knowledge at the time of publication. Inclusion on the list does not imply that these smelter and refiners are “fairer” than their competitors, or that Fairphone has a direct relationship with these companies and is influencing their business practices. We will update the information yearly and are currently collecting smelter and refiner information related to our other focus materials, and will publish it in a future edition of this document.

Here are a few explanations that will help you better understand our list of smelters and refiners:

Responsible Minerals Initiative (RMI)

The Responsible Minerals Initiative is the industry association which runs the RMAP auditing program, while cross-recognizing a variety of other recognized auditing programs, including the RJC and LBMA. All of these programs check for processes related to identifying one or more of the four defined conflict minerals the RJC also assesses mine sites on a wider range of social and environmental issues.

Audit passed

Smelters or refiners that are verified to be in compliance with RMI standards or one of the cross-recognized certification programs.

Audit in progress

Smelters or refiners that have committed to undergoing an RMI audit or one of the cross-recognized certification audits and are in the participating phase.

Audit not valid

Smelters or refiners that are communicating with RMI, have failed to proceed with the certification process, audited but found not conformant, or still require further outreach to join certification program(s).

Metal type: Gold

Smelter ID	Standard Smelter Name	Country	RMAP Conformant
CID000015	Advanced Chemzcal Company	UNITED STATES OF AMERICA	Conformant
CID000019	Aida Chemical Industries Co., Ltd.	JAPAN	Conformant
CID000035	Allgemeine Gold-und Silberscheideanstalt A.G.	GERMANY	Conformant
CID000041	Almalyk Mining and Metallurgical Complex (AMMC)	UZBEKISTAN	Conformant
CID000058	AngloGold Ashanti Corrego do Sitio Mineracao	BRAZIL	Conformant
CID000077	Argor-Heraeus S.A.	SWITZERLAND	Conformant
CID000082	Asahi Pretec Corp.	JAPAN	Conformant
CID000090	Asaka Riken Co., Ltd.	JAPAN	Conformant
CID000113	Aurubis AG	GERMANY	Conformant
CID000128	Bangko Sentral ng Pilipinas (Central Bank of the Philippines)	PHILIPPINES	Conformant
CID000157	Boliden AB	SWEDEN	Conformant
CID000176	C. Hafner GmbH + Co. KG	GERMANY	Conformant
CID000185	CCR Refinery - Glencore Canada Corporation	CANADA	Conformant
CID000189	Cendres + Metaux S.A.	SWITZERLAND	Conformant
CID000233	Chimet S.p.A.	ITALY	Conformant
CID000264	Chugai Mining	JAPAN	Conformant
CID000359	DSC (Do Sung Corporation)	KOREA, REPUBLIC OF	Conformant
CID000362	DODUCO Contacts and Refining GmbH	GERMANY	Conformant
CID000401	Dowa	JAPAN	Conformant
CID000425	Eco-System Recycling Co., Ltd. East Plant	JAPAN	Conformant
CID000493	OJSC Novosibirsk Refinery	RUSSIAN FEDERATION	Conformant
CID000689	HeeSung Metal Ltd.	KOREA, REPUBLIC OF	Conformant
CID000694	Heimerle + Meule GmbH	GERMANY	Conformant
CID000707	Heraeus Metals Hong Kong Ltd.	CHINA	Conformant
CID000711	Heraeus Precious Metals GmbH & Co. KG	GERMANY	Conformant
CID000767	Hunan Chenzhou Mining Co., Ltd.	CHINA	No Valid Audit
CID000801	Inner Mongolia Qiankun Gold and Silver Refinery Share Co., Ltd.	CHINA	Conformant
CID000807	Ishifuku Metal Industry Co., Ltd.	JAPAN	Conformant
CID000814	Istanbul Gold Refinery	TURKEY	Conformant
CID000823	Japan Mint	JAPAN	Conformant
CID000855	Jiangxi Copper Co., Ltd.	CHINA	Conformant
CID000920	Asahi Refining USA Inc.	UNITED STATES OF AMERICA	Conformant
CID000924	Asahi Refining Canada Ltd.	CANADA	Conformant
CID000929	JSC Uralelectromed	RUSSIAN FEDERATION	Conformant
CID000937	JX Nippon Mining & Metals Co., Ltd.	JAPAN	Conformant
CID000957	Kazzinc	KAZAKHSTAN	Conformant
CID000969	Kennecott Utah Copper LLC	UNITED STATES OF AMERICA	Conformant

CID000981	Kojima Chemicals Co., Ltd.	JAPAN	Conformant
CID001029	Kyrgyzaltyn JSC	KYRGYZSTAN	Conformant
CID001078	LS-NIKKO Copper Inc.	KOREA, REPUBLIC OF	Conformant
CID001113	Materion	UNITED STATES OF AMERICA	Conformant
CID001119	Matsuda Sangyo Co., Ltd.	JAPAN	Conformant
CID001147	Metalor Technologies (Suzhou) Ltd.	CHINA	Conformant
CID001149	Metalor Technologies (Hong Kong) Ltd.	CHINA	Conformant
CID001152	Metalor Technologies (Singapore) Pte., Ltd.	SINGAPORE	Conformant
CID001153	Metalor Technologies S.A.	SWITZERLAND	Conformant
CID001157	Metalor USA Refining Corporation	UNITED STATES OF AMERICA	Conformant
CID001161	Metalurgica Met-Mex Penoles S.A. De C.V.	MEXICO	Conformant
CID001188	Mitsubishi Materials Corporation	JAPAN	No valid audit
CID001193	Mitsui Mining and Smelting Co., Ltd.	JAPAN	Conformant
CID001204	Moscow Special Alloys Processing Plant	RUSSIAN FEDERATION	Conformant
CID001220	Nadir Metal Rafineri San. Ve Tic. A.S.	TURKEY	Conformant
CID001259	Nihon Material Co., Ltd.	JAPAN	Conformant
CID001325	Ohura Precious Metal Industry Co., Ltd.	JAPAN	Conformant
CID001326	OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals Plant" (OJSC Krastsvetmet)	RUSSIAN FEDERATION	Conformant
CID001352	PAMP S.A.	SWITZERLAND	Conformant
CID001386	Prioksky Plant of Non-Ferrous Metals	RUSSIAN FEDERATION	Conformant
CID001397	PT Aneka Tambang (Persero) Tbk	INDONESIA	Conformant
CID001498	PX Precinox S.A.	SWITZERLAND	Conformant
CID001512	Rand Refinery (Pty) Ltd.	SOUTH AFRICA	Conformant
CID001534	Royal Canadian Mint	CANADA	Conformant
CID001555	Samduck Precious Metals	KOREA, REPUBLIC OF	Conformant
CID001585	SEMPSA Joyeria Plateria S.A.	SPAIN	Conformant
CID001622	Shandong Zhaojin Gold & Silver Refinery Co., Ltd.	CHINA	Conformant
CID001736	Sichuan Tianze Precious Metals Co., Ltd.	CHINA	Conformant
CID001756	SOE Shyolkovsky Factory of Secondary Precious Metals	RUSSIAN FEDERATION	Conformant
CID001761	Solar Applied Materials Technology Corp.	TAIWAN, PROVINCE OF CHINA	Conformant
CID001798	Sumitomo Metal Mining Co., Ltd.	JAPAN	Conformant
CID001875	Tanaka Kikinzoku Kogyo K.K.	JAPAN	Conformant
CID001916	The Refinery of Shandong Gold Mining Co., Ltd.	CHINA	Conformant
CID001938	Tokuriki Honten Co., Ltd.	JAPAN	Conformant
CID001955	Torecom	KOREA, REPUBLIC OF	Conformant
CID001977	Umicore Brasil Ltda.	BRAZIL	Conformant
CID001980	Umicore S.A. Business Unit Precious Metals Refining	BELGIUM	Conformant

CID001993	United Precious Metal Refining, Inc.	UNITED STATES OF AMERICA	Conformant
CID002003	Valcambi S.A.	SWITZERLAND	Conformant
CID002030	Western Australian Mint (T/a The Perth Mint)	AUSTRALIA	Conformant
CID002100	Yamakin Co., Ltd.	JAPAN	Conformant
CID002129	Yokohama Metal Co., Ltd.	JAPAN	No valid audit
CID002224	Zhongyuan Gold Smelter of Zhongjin Gold Corporation	CHINA	Conformant
CID002243	Gold Refinery of Zijin Mining Group Co., Ltd.	CHINA	Conformant
CID002312	Guangdong Jinding Gold Limited	CHINA	No Valid Audit
CID002314	Umicore Precious Metals Thailand	THAILAND	Conformant
CID002459	Geib Refining Corporation	UNITED STATES OF AMERICA	Conformant
CID002509	MMTC-PAMP India Pvt., Ltd.	INDIA	Conformant
CID002511	KGHM Polska Miedz Spolka Akcyjna	POLAND	Conformant
CID002516	Singway Technology Co., Ltd.	TAIWAN, PROVINCE OF CHINA	Conformant
CID002560	Al Etihad Gold Refinery DMCC	UNITED ARAB EMIRATES	No Valid Audit
CID002561	Emirates Gold DMCC	UNITED ARAB EMIRATES	Conformant
CID002580	T.C.A S.p.A	ITALY	Conformant
CID002582	REMONDIS PMR B.V.	NETHERLANDS	Conformant
CID002605	Korea Zinc Co., Ltd.	KOREA, REPUBLIC OF	Conformant
CID002606	Marsam Metals	BRAZIL	Conformant
CID002761	SAAMP	FRANCE	Conformant
CID002762	L'Orfebre S.A.	ANDORRA	Conformant
CID002763	8853 S.p.A.	ITALY	Conformant
CID002765	Italpreziosi	ITALY	Conformant
CID002777	SAXONIA Edelmetalle GmbH	GERMANY	Conformant
CID002778	WIELAND Edelmetalle GmbH	GERMANY	Conformant
CID002779	Ogussa Osterreichische Gold- und Silber-Scheideanstalt GmbH	AUSTRIA	Conformant
CID002850	AU Traders and Refiners	SOUTH AFRICA	Conformant
CID002863	Bangalore Refinery	INDIA	Conformant
CID002918	SungEel HiMetal Co., Ltd.	KOREA, REPUBLIC OF	Conformant
CID002919	Planta Recuperadora de Metales SpA	CHILE	Conformant
CID002973	Safimet S.p.A	ITALY	Conformant
CID003189	NH Recytech Company	KOREA, REPUBLIC OF	No Valid Audit
CID003195	DS PRETECH Co., Ltd.	KOREA, REPUBLIC OF	Conformant
CID003424	Eco-System Recycling Co., Ltd. North Plant	JAPAN	Conformant
CID003425	Eco-System Recycling Co., Ltd. West Plant	JAPAN	Conformant

Metal type: Tantalum

Smelter ID	Standard Smelter Name	Country	RMAP Conformant
CID000211	Changsha South Tantalum Niobium Co., Ltd.	CHINA	Conformant
CID000291	Guangdong Rising Rare Metals-EO Materials Ltd.	CHINA	Conformant
CID000456	Exotech Inc.	UNITED STATES OF AMERICA	Conformant
CID000460	F&X Electro-Materials Ltd.	CHINA	Conformant
CID000616	Guangdong Zhiyuan New Material Co., Ltd.	CHINA	Conformant
CID000914	JiuJiang JinXin Nonferrous Metals Co., Ltd.	CHINA	Conformant
CID000917	Jiujiang Tanbre Co., Ltd.	CHINA	Conformant
CID001076	LSM Brasil S.A.	BRAZIL	Conformant
CID001163	Metallurgical Products India Pvt., Ltd.	INDIA	Conformant
CID001200	NPM Silmet AS	ESTONIA	Conformant
CID001277	Ningxia Orient Tantalum Industry Co., Ltd.	CHINA	Conformant
CID001508	QuantumClean	UNITED STATES OF AMERICA	Conformant
CID001522	Yanling Jincheng Tantalum & Niobium Co., Ltd.	CHINA	Conformant
CID001769	Solikamsk Magnesium Works OAO	RUSSIAN FEDERATION	Conformant
CID001869	Taki Chemical Co., Ltd.	JAPAN	Conformant
CID001891	Telex Metals	UNITED STATES OF AMERICA	Conformant
CID001969	Ulba Metallurgical Plant JSC	KAZAKHSTAN	Conformant
CID002492	Hengyang King Xing Lifeng New Materials Co., Ltd.	CHINA	Conformant
CID002504	D Block Metals, LLC	UNITED STATES OF AMERICA	Conformant
CID002505	MFIR Metals & Resource Ltd.	CHINA	Conformant
CID002506	Jiujiang Zhongao Tantalum & Niobium Co., Ltd.	CHINA	Conformant
CID002508	XinXing HaoRong Electronic Material Co., Ltd.	CHINA	Conformant
CID002512	Jiangxi Dinghai Tantalum & Niobium Co., Ltd.	CHINA	Conformant
CID002539	KEMET Blue Metals	MEXICO	Conformant
CID002544	H.C. Starck Co., Ltd.	THAILAND	Conformant
CID002545	H.C. Starck Tantalum and Niobium GmbH	GERMANY	Conformant
CID002547	H.C. Starck Hermsdorf GmbH	GERMANY	Conformant
CID002548	H.C. Starck Inc.	UNITED STATES OF AMERICA	Conformant
CID002549	H.C. Starck Ltd.	JAPAN	Conformant
CID002550	H.C. Starck Smelting GmbH & Co. KG	GERMANY	Conformant
CID002557	Global Advanced Metals Boyertown	UNITED STATES OF AMERICA	Conformant
CID002558	Global Advanced Metals Aizu	JAPAN	Conformant
CID002568	KEMET Blue Powder	UNITED STATES OF AMERICA	Conformant
CID002707	Resind Industria e Comercio Ltda.	BRAZIL	Conformant
CID002842	Jiangxi Tuohong New Raw Material	CHINA	Conformant
CID002847	Power Resources Ltd.	NORTH MACEDONIA, REPUBLIC OF	Conformant

Metal type: Tin

Smelter ID	Standard Smelter Name	Country	RMAP Conformant
CID002036	White Solder Metalurgia e Mineracao Ltda.	BRAZIL	Conformant
CID002158	Yunnan Chengfeng Non-ferrous Metals Co., Ltd.	CHINA	Conformant
CID002180	Yunnan Tin Company Limited	CHINA	Conformant
CID002468	Magnu's Minerais Metais e Ligas Ltda.	BRAZIL	Conformant
CID002500	Melt Metais e Ligas S.A.	BRAZIL	Conformant
CID002517	O.M. Manufacturing Philippines, Inc.	PHILIPPINES	Conformant
CID002773	Metallo Belgium N.V.	BELGIUM	Conformant
CID002774	Metallo Spain S.L.U.	SPAIN	Conformant
CID002834	Thai Nguyen Mining and Metallurgy Co., Ltd.	VIETNAM	Conformant
CID002844	HuiChang Hill Tin Industry Co., Ltd.	CHINA	Conformant
CID002848	Gejiu Fengming Metallurgy Chemical Plant	CHINA	Conformant
CID002849	Guanyang Guida Nonferrous Metal Smelting Plant	CHINA	Conformant
CID002858	Modeltech Sdn Bhd	MALAYSIA	No Valid Audit
CID003116	Guangdong Hanhe Non-Ferrous Metal Co., Ltd.	CHINA	Conformant
CID003190	Chifeng Dajingzi Tin Industry Co., Ltd.	CHINA	Conformant
CID003325	Tin Technology & Refining	UNITED STATES OF AMERICA	Conformant
CID003356	Dongguan CiEXPO Environmental Engineering Co., Ltd.	CHINA	Active
CID003379	Ma'anshan Weitai Tin Co., Ltd.	CHINA	Conformant
CID003397	Yunnan Yunfan Non-ferrous Metals Co., Ltd.	CHINA	Conformant

Metal type: Tungsten

Smelter ID	Standard Smelter Name	Country	RMAP Conformant
CID000004	A.L.M.T. Corp.	JAPAN	Conformant
CID000105	Kennametal Huntsville	UNITED STATES OF AMERICA	Conformant
CID000218	Guangdong Xianglu Tungsten Co., Ltd.	CHINA	Conformant
CID000258	Chongyi Zhangyuan Tungsten Co., Ltd.	CHINA	Conformant
CID000499	Fujian Jinxin Tungsten Co., Ltd.	CHINA	Conformant
CID000568	Global Tungsten & Powders Corp.	UNITED STATES OF AMERICA	Conformant
CID000769	Hunan Chunchang Nonferrous Metals Co., Ltd.	CHINA	Conformant
CID000825	Japan New Metals Co., Ltd.	JAPAN	Conformant
CID000875	Ganzhou Huaxing Tungsten Products Co., Ltd.	CHINA	Conformant
CID000966	Kennametal Fallon	UNITED STATES OF AMERICA	Conformant
CID001889	Tejing (Vietnam) Tungsten Co., Ltd.	VIETNAM	Conformant
CID002044	Wolfram Bergbau und Hutten AG	AUSTRIA	Conformant
CID002082	Xiamen Tungsten Co., Ltd.	CHINA	Conformant
CID002095	Xinhai Rendan Shaoguan Tungsten Co., Ltd.	CHINA	Conformant
CID002315	Ganzhou Jiangwu Ferrotungsten Co., Ltd.	CHINA	Conformant
CID002316	Jiangxi Yaosheng Tungsten Co., Ltd.	CHINA	Conformant
CID002317	Jiangxi Xinsheng Tungsten Industry Co., Ltd.	CHINA	Conformant
CID002318	Jiangxi Tonggu Non-ferrous Metallurgical & Chemical Co., Ltd.	CHINA	Conformant
CID002319	Malipo Haiyu Tungsten Co., Ltd.	CHINA	Conformant
CID002320	Xiamen Tungsten (H.C.) Co., Ltd.	CHINA	Conformant
CID002321	Jiangxi Gan Bei Tungsten Co., Ltd.	CHINA	Conformant
CID002494	Ganzhou Seadragon W & Mo Co., Ltd.	CHINA	Conformant
CID002502	Asia Tungsten Products Vietnam Ltd.	VIETNAM	Conformant
CID002513	Chenzhou Diamond Tungsten Products Co., Ltd.	CHINA	Conformant
CID002541	H.C. Starck Tungsten GmbH	GERMANY	Conformant
CID002543	Masan Tungsten Chemical LLC (MTC)	VIETNAM	Conformant
CID002551	Jiangwu H.C. Starck Tungsten Products Co., Ltd.	CHINA	Conformant
CID002579	Hunan Chuangda Vanadium Tungsten Co., Ltd. Wuji	CHINA	Conformant
CID002589	Niagara Refining LLC	UNITED STATES OF AMERICA	Conformant
CID002645	Ganzhou Haichuang Tungsten Co., Ltd.	CHINA	Conformant
CID002649	Hydrometallurg, JSC	RUSSIAN FEDERATION	Conformant
CID002724	Unecha Refractory metals plant	RUSSIAN FEDERATION	Conformant
CID002827	Philippine Chuangxin Industrial Co., Inc.	PHILIPPINES	Conformant
CID002830	Xinfeng Huarui Tungsten & Molybdenum New Material Co., Ltd.	CHINA	Conformant
CID002833	ACL Metais Eireli	BRAZIL	Conformant
CID002843	Woltech Korea Co., Ltd.	KOREA, REPUBLIC OF	Conformant

CID002845	Moliren Ltd.	RUSSIAN FEDERATION	Conformant
CID003182	Hunan Litian Tungsten Industry Co., Ltd.	CHINA	Conformant
CID003388	KGETS Co., Ltd.	KOREA, REPUBLIC OF	Conformant
CID003407	Lianyou Metals Co., Ltd.	TAIWAN, PROVINCE OF CHINA	Conformant