



Mine Visit Report 2022



Negotiant Name	Commerce Responsable des Minerals (RMT)
Location	Nzibira, Sud-Kivu
Country	Democratic Republic of the Congo
Date of the Visit	25/11/2022
Time of the Visit	12 p.m. -3 p.m.
Type of Business	Negotiant
Mining License Number	N/A
Number of mine belongs to Negotiant	9 mines; Mushangi1, Mushangi2, Chembeke1, Chembeke2, D23 Zola, Kanyungu, Tshosho, Mahamba, and Chaminyago
Number of sites visited	1 at Mushangi1
Types of Mining	Underground
Type of Minerals produced	Cassiterite and Wolfram
Interviewees	Mr. Bintu Bigaruka Roland, Due diligence Admin Mr. Bwanga Fakage Herve, Asst. Technique Terrain - iTSCi
Number of workers	200 4 securities for day time
Working time	Monday - Saturday, 7 a.m. - 4 p.m.
Accident record	It has no any serious accident in the last 5 years
Equipment	Shovels, Hammers, Generators
Production	2-3MT per month
Risk Identification	The mine follows on due diligence policy The mine follows on child labor policy refer to their miners registration record and we cannot found any children on the mine site Not any forms of torture, cruel, inhuman and degrading treatment Not any forms of forced or compulsory labor Not support to non-state armed groups



	Not support to public or private security forces
	Taxes, fees and royalties have paid
Challenges & Recommendations	The upstream assurance "iTSCI" may ineffective permanently in the short future and it has no substitute upstream assurance that can provide the service for ASM at the moment.
	Continually improve the supply conditions and process to avoid the contamination of its downstream supply chains
General Conclusions & Recommendations	The purpose of THAISARCO visit regarding to the Global Witness report 'The ITSCI Laundromat' that has mentioned about the minerals from invalidated mines have been brought to Nzibira
	THAISARCO found that every Kg. of cassiterite need to be tagged with SAEMAPE
	The unused mine tags have kept and separated by the mines at the Negotiant office with the proper locks. The SAEMAPE always check the production on each mine and deliver the tags to the mine by himself, the quantity of tags will be related to the production.
	THAISARCO haven't found any abnormal activity there anyway THAISARCO also communicated with the related parties to make them more understand and awareness on due diligence processes



RMT premises



Interview with SAEMAPE



Un-used tags



Mushangi1 site



Mushangi1 site



Communication on due diligence



Mine Visit Report 2022



Mine Name	COMINYA
Location	Muhanga district, Kabacuzi sector, Kibyimba cell
Country	Rwanda
Date of the Visit	28/11/2022
Time of the Visit	11 a.m. - 3 p.m.
Type of Business	Mining
Mining License Number	0810/16.01 Issued Date: 03/10/2012 Expired Date: 02/10/2017
Number of sites of the Company	<p>The new mining license has already applied before expired date and RMB still in progress</p> <p>5 sites: KINOZI 1 (20.99 ha), KINOZI 2 (17.67 ha), KAZUBA (9.10 ha), RUTARABANA (13.22 ha), ET GASOVU (9.89 ha)</p> <p>KINOZI 1 and ET GASOVU - Operating</p> <p>KAZUBA, RUTARABANA, and KINOZI 1 - under development, no production</p>
Number of sites visited	1 site at KINOZI 1
Types of Mining	Underground
Type of Minerals produced	Cassiterite 60%, Coltan 40%
Interviewees	Mr. SINAMENYE IGNACE, Mining Engineer
Number of workers	485 (127 women, 358 men)
Working time	22 securities for 24 hours
Accident record	Monday - Saturday, 7 a.m. - 5 p.m.
Equipment	<p>The latest accident was happen in 2018, the tunnel collapsed. It has only one worker injured in this matter and the mine also provided the insurance for their workers on the medical fees.</p> <p>2 Generators, 1 Magnetic Separator, 5 Jackhammers, and 2 Excavators</p> <p>The monthly production for 2 sites which are operating is around 18.4MT that is related to their production record</p>
Production	<p>For the site KINOZI 1, it is the tunnel which has 5 connections. The longest tunnel is 150M.</p> <p>The washing plant is located on each site and the washing process has operated by every working days.</p>
Risk Identification	The mine follows on due diligence policy



Mine Visit Report 2022



Challenges & Recommendations

The mine follows on child labor policy refer to their miners registration record

Not any forms of torture, cruel, inhuman and degrading treatment

Not any forms of forced or compulsory labor

Not support to non-state armed groups

Not support to public or private security forces

Taxes, fees and royalties have paid

Most people in the region go for agriculture and farming activity when the price fo cassiterite drops and they get paid less

The upstream assurance "iTSCi" may ineffective permanently in the short future and it has no substitute upstream assurance that can provide the service for ASM at the moment

The mine is developing delivery route form the site to washing plant, the truck will be used for delivery the cassiterite rather than carry by workers

The exporter also supports the mine on traceability system "www.ishiramari.com" to look into the quantity of their production

The staffs have a good knowledge and skills

The mine has a really good operation and management, they have a potential to increase their production significantly

The lighting and air circulation have provide in the tunnels

The fences and security have provided at the warehouse which they keep stock of cassiterite

General Conclusions & Recommendations

The stream passes into their concession area and no shortage of water for the whole year

The proper PPE has provided to the workers

All of water from their washing plant will be re-used, no any effect to environment around there

The mine also has a plant nursery in concession area

The mine has a magnetic separator that can upgrade the 1MT of cassiterite in 18 hours

The mine has no plan to upgrade the tailings at the moment

The unused tags are kept properly



Main entrance of tunnel



Miner in tunnel



Washing plant



Magnetic separator



Plant nursery



Reservoir from washing plant



Mine Visit Report 2022



Mine Name	Sphinks Investment Company
Location	Gatsibo district, Gitoki sector/ Remera sector, Mpondwa cell/ Cyabusheshe cell/ Kigabiro cell
Country	Rwanda
Date of the Visit	29/11/2022
Time of the Visit	12 p.m. - 3 p.m.
Type of Business	Mining
Mining License Number	103033747/MSM.01/JUN 20/25/002 Issued Date: 22/06/2020 Expired Date: 21/06/2025
Number of sites of the Company	3 sites: KAGEYO 1A (60 ha), KAGEYO 1B (50 ha), KAGEYO 2 (100 ha) All of 3 sites are active
Number of sites visited	1 site at KAGEYO 1B
Types of Mining	Underground
Type of Minerals produced	Cassiterite
Interviewees	Mr. GATERA ANASTASE, Operation Manager
Number of workers	215 (17 Teams) 20 securities for 24 hours
Working time	Monday - Saturday, 7 a.m. - 3 p.m.
Accident record	No accident in the last 10 years
Equipment	Small crusher, hammer, shovel, blasting
Production	The monthly production is 16MT that is related to their production record That's a hard rock mining so the mine has the activity for blasting on every Wednesday The tunnel has 4 connections The mine has not any washing plant, the mine just wash the material simply by the bucket of water before deliver to their warehouse The mine follows on due diligence policy
Risk Identification	The mine follows on child labor policy refer to their miners registration record Not any forms of torture, cruel, inhuman and degrading treatment Not any forms of forced or compulsory labor



Mine Visit Report 2022



Challenges & Recommendations

Not support to non-state armed groups

Not support to public or private security forces

Taxes, fees and royalties have paid

The mine sells the material to comptoir as the low grade cassiterite at the moment, the upgrading process will be done by the comptoir/ exporter. The mine should try to find the proper equipment to upgrade the material by themselves that also can make more profit to them in the long term

The mine has a lot of stock of tailing due to the problems of shortage of water and no equipment. The production can be increased significantly if they can solve these problems

The upstream assurance "iTSCi" may ineffective permanently in the short future and it has no substitute upstream assurance that can provide the service for ASM at the moment

The mine has been started the production since 2012

Shortage of water and proper equipment are the main problems there

Due to the tunnel is not too deep so the natural air circulation is ok to the miners who work inside anyway the mine should set up more on the lighting

The entrance of tunnel is not safe, it's really steep and narrow. Just only wooden ladder has set up there, the workers could have an accident when they carry the material out from the tunnel. The mine should expand the entrance and set up the low slope into the tunnel if some point can't be, they may set up the pulley to deliver the material our from the tunnel rather carry by the workers

General Conclusions & Recommendations

The proper PPE has provided to the workers

The mine also has a plant nursery in concession area

The unused tags are kept properly at the warehouse on the site

The active/ closed tunnels are not labeled and no restriction signs

No fence at the warehouse on the site

Form mine site to warehouse, the material has carried by workers only furthers the mine hasn't any upgrading process at the site so the material that they carry has contained just a few %Sn



Shortage of water, it has no any source of water around there. The mine should build up the reservoir to increase their productivity



Checking on documentation



Un-used tags



Tunnel's entrance



Tunnel's entrance



Water bucket for washing



Tailings



Mine Visit Report 2022



Mine Name	GAMICO Ltd
Location	Nyarugenge district, Kigali sector, Ruliba cell
Country	Rwanda
Date of the Visit	01/12/2022
Time of the Visit	9.30 a.m. - 12.30 p.m.
Type of Business	Mining
Mining License Number	RMB/ME/04/022021/022025 Issued Date: 18/02/2021 Expired Date: 17/02/2025
Number of sites of the Company	3 sites (200 ha) Kayego, Rutovu, and Bashyamba 1 site at Bashyamba - 28 tunnels are active from 36 tunnels
Number of sites visited	Busyenkamba2, Rwasam, Busyenkamba7, Rugezi1/12, Rugezi2, Ibinyoni2, Muri7, Muri4, Ryimfizi2, Muri11, Ibinyoni1, Rubirizi1, Ku Mwembe, Ryimfizi1, Kuberimana, Busyenkamba3, Kitabi, Birembo6, Muri44, Rugezi3, Birembo1, Muri43, Muri2, Birembo3, Busyenkamba4, Ibinyoni3, Birembo4, Rubirizi6
Types of Mining	Underground
Type of Minerals produced	Cassiterite 100%
Interviewees	Mr. IMENA EVODE, Mine Operation Manager
Number of workers	1,700 (1,445 men, 255 women) 1 security/ 2-3 tunnels for 24 hours
Working time	Monday - Saturday, 2 shifts: 6 a.m. - 6 p.m. and 6 p.m. - 6 a.m.
Accident record	It has no any serious accident since the operation has been started
Equipment	Crushers, dryers, magnetic separators, excavators, trucks
Production	Around 30MT per month and the mine try to increase to 35MT per month in 2023 The washing plant has set up at the front of tunnel (2-3 tunnels/ 1 washing plant) The mine follows on due diligence policy
Risk Identification	The mine follows on child labor policy refer to their miners registration record Not any forms of torture, cruel, inhuman and degrading treatment



Mine Visit Report 2022



Challenges & Recommendations

Not any forms of forced or compulsory labor

Not support to non-state armed groups

Not support to public or private security forces

Taxes, fees and royalties have paid

According to the production, GAMICO could be an exporter by themselves if they have a good cash flow

In the future if the city of Kigali is expanded, the issue of pollution could be a problem due to Bashyamba site is located not so far Kigali city

The upstream assurance "iTSCI" may ineffective permanently in the short future and it has no substitute upstream assurance that can provide the service for ASM at the moment

If GAMICO could be an exporter and all material is from their concession, they has a potential to set up their own traceability scheme

The mine has started operation in 1930 by Belgium then after genocide it has run by another private company and stop in 2015. After that GAMICO has the license and start the production in July, 2021

GAMICO produced the first 25MT in Jan, 2022

GAMICO has a deposit around 9,000MT

After processing, the tailing is contained the %Sn around 0.3-0.5% so they have no plan to upgrade it at the moment

The recovering of their processes is 84%

The staffs have a good knowledge and skills

General Conclusions & Recommendations

The mine has a really good operation and management, they have a potential to increase their production significantly

The lighting and air circulation system have provide in the tunnels sufficiently

The fences, CCTV, and security have provided at the warehouse which they keep stock of cassiterite

No shortage of water for the whole year

The proper PPE has provided to the workers

All of water from their washing plant will be re-used, no any effect to environment around there

The mine also has a plant nursery in concession area

The unused tags are kept properly



GAMICO has a first aid room for their workers

GAMICO has maintenance team to service/ fix on their equipment

There is a Canteen at the site, the lunch and dinner have given to their workers for free

GAMICO also provide the academy. The different duty, the wage is also different if the workers want to get paid more they could learn more skills there

The safety signs, safety policy, name of the tunnel, the level & shaft & distance, emergency contact number have labeled on the working area



GAMICO office



Upgrading plant



Crusher & magnetic separator



Maintenance team



First aid room



Washing plant



Warehouse



Tunnel's entrance



Tunnel



Air pump



Mining area



Food for workers



Mine Visit Report 2022



Mine Name	Rutongo Mines Ltd.
Location	Rulindo district, Masoro sector, Nyamyumba cell
Country	Rwanda
Date of the Visit	02/12/2022
Time of the Visit	12.00 p.m. - 3.00 p.m.
Type of Business	Mining
Mining License Number	N°001/MINIRENA/.16.02 Issued Date: 29/01/2015 Expired Date: 23/01/2040 Rutongo was granted a 25-year mineral exploitation license by the Rwandan Government
Number of sites of the Company	6 sites; Gisanze, Masoro, Nyamyumba, Gasambya, Karambo and Mahaza Rutonga has a plan to expand every sites and make it connect together in the future
Number of sites visited	1 site at Nyamyumba
Types of Mining	Underground
Type of Minerals produced	Cassiterite 100%
Interviewees	Mr. Julian Nixon, General Manager Contractors & Cooperatives: 1,024 Own Employees: 1,229
Number of workers	Expatriates: 14 Total 2,253 (2,112 men, 141 women) 97% of workers are local people
Working time	Monday - Sunday, 2 shifts for 16 hours in total
Accident record	It has no any serious accident since the operation has been started by Trinity Metals
Equipment	Crushers, dryers, magnetic separators, excavators, trucks, drilling machines, trolleys, jig machines, shaking tables
Production	60MT per month and the mine try to increase to 200MT per month in the next few years The mine follows on due diligence policy
Risk Identification	The mine follows on child labor policy refer to their miners registration record Not any forms of torture, cruel, inhuman and degrading treatment



Mine Visit Report 2022



Not any forms of forced or compulsory labor

Not support to non-state armed groups

Not support to public or private security forces

Taxes, fees and royalties have paid

Before Trinity metals operates Rutongo, all of raw material from the tunnels will be delivered to the upgrading plant at their office area. Now, the upgrading plant has moved to in front of the tunnel that can increase their production significantly and could be reached their target at 200MT per month in the near future

Challenges & Recommendations

Now the production cost is quite high, Rutongo try to reduce 30% for their cost of production. Rutongo can achieve economies of scale by increasing production and lowering costs

Rutongo has deployed considerable efforts in fighting with the illegal mining on their concession area during 2021. The Security / protection services team capacity was strengthened by recruiting 168 additional security guards and therefore patrols were increased around the concessions and more people deployed to inactive sites.

Rutongo is the biggest cassiterite deposits in Africa, They estimated the mine contains approximately 54,000 MT of recoverable tin.

The cassiterite extraction in the Rutongo area began as early as 1931, while the tin ore from the mine was exported at a rate of 800 MT per annum (tpa) in the 1940.

Originally developed by a Belgic mining company, Rutongo became the biggest producer of tin concentrates in Rwanda by in 1950

General Conclusions & Recommendations

The Rwandan government nationalized the tin mine in 1986 that led to the rapid decline in production due to the lack of investments. It resulted in the closure of the mine in 1994 then the mining resumed with the reopening of the Rutongo mine as a diggers' co-operative in 1995

It was in 2008 that the mine was privatized by the Rwandan Government and the operating entity Ruddington Services (TINCO) also entered the privatization process

Trinity took the project of Rutongo mines in May, 2022

Rutongo has a 75% equity interest in the Rutongo tin mining operation while the remaining 25% is held by the Government of Rwanda



Mine Visit Report 2022



Rutongo utilizes RCS Global services, including traceability and due diligence systems to support our efforts. The Better Mining Program (BM), implemented by the RCS Global Group, is an upstream assurance mechanism

Rutongo tin mines is carried out in eight mine shafts use conventional drilling and blasting

The staffs have a good knowledge and skills

The lighting and air circulation system have provide in the tunnels sufficiently

The fences, CCTV, and security have provided at the warehouse which they keep stock of cassiterite

No shortage of water for the whole year

The proper PPE has provided to the workers

All of water from their washing plant will be re-used, no any effect to environment around there

The mine also has a plant nursery in concession area. The 657,000 trees across the three mine which belong to Trinity Metals

For biodiversity, Rutongo launched a community beekeeping project in our rehabilitated forests at Nyakabingo mine due to bees play a critical role in ecological balance and restoration. A sustainable project that provides livelihood opportunities for local community members too

The safety signs, safety policy, name of the tunnel, the level & shaft & distance, emergency contact number have labeled on the working area

Each active mining tunnel has Safety Representatives to ensure daily checks on tunnel safety

Providing medical insurance for more than 3,000 residents annually

Rutongo got the World Bank Standard EIA and EMP completed for each operation

Simple water and gravity ore treatment process, no-toxic re-agents used

First aid rooms are constructed at all the main tunnel entrances and all attendants are trained in basic first aid

All workers are fully vaccinated for COVID-19



RUTONGO premises



THAISARCO visiting with BM team



New upgrading plant at the tunnel



Illegal mining on concession area



Drilling process



Pulley for delivery material



Weighing & Tagging processes



Mine Visit Report 2022



Mine Name	Rwinkwavu Mine
Location	Kayonza district, Eastern province
Country	Rwanda
Date of the Visit	07/12/2022
Time of the Visit	2 p.m. -5 p.m.
Type of Business	Mining
Mining License Number	N°123/16.03/05 Issued Date: 01/12/2016 Expired Date: 28/11/2031 Rwinkwavu was granted a 15-year mining license by the Rwandan Government
Number of sites of the Company	7 sites; Gahengeri, Gahushyi, Nyarunazi, Rutonde, Kibaya, Gihinga and Migera
Number of sites visited	1 site at Gahengeri
Types of Mining	Underground
Type of Minerals produced	100% Cassiterite
Interviewees	N/A
Number of workers	1,200 (1,100 men, 100 women)
Working time	Monday - Friday, 8 a.m. - 5 p.m.
Accident record	No any record of serious accident in the last 5 years
Equipment	Crusher, shaking tables, magnetic separator, generators
Production	1.2 MT per month
Risk Identification	The mine follows on due diligence policy The mine follows on child labor policy refer to their miners registration record Not any forms of torture, cruel, inhuman and degrading treatment Not any forms of forced or compulsory labor Not support to non-state armed groups Not support to public or private security forces Taxes, fees and royalties have paid. WMP got the award of the best taxpayer per sector in 2021 from RRA



Mine Visit Report 2022



Challenges & Recommendations

The upstream assurance "iTSCi" may ineffective permanently in the short future and it has no substitute upstream assurance that can provide the service for ASM at the moment. The exporter has plan to do due diligence and provide the required documents by themselves parallel with iTSCi scheme

In February 2008, Methods industrial was privatized and sold to the Rwandan company Wolfram Mining and Processing Ltd (WMP Ltd)

Reserves estimation based the method profiles because Rwinkwavu deposits are recognized by pitting and drilling, reserve estimation of tin is 23,484MT

The deposits are alluvial

Gallery No.1 at Rwinkwavu has been operated since 13/6/2013

The facilities and equipment at the mine site are inefficiency; the workers have to crush the material by iron rod and screen the sizing of material by hands furthers the washing area is not durable. WMP should invest on these things in order to increase the productivity at the mine site to relate with capability of the upgrading plant which can reduce the production cost per MT as well

General Conclusions & Recommendations

The material will be delivered from mine site to upgrading plant by truck

The mine has many shaking tables and a high capacity magnetic separator at upgrading plant which can support if their production is increased

There is no problem for the water shortage at the upgrading plant anyway they have limited of water at their mine site

The proper PPE has provided to the workers

WMP has the project's negative environmental effects as well as the project's negative socioeconomic impact on surrounding communities

The unused tags are kept properly at the warehouse at the office



WMP upgrading plant



WMP upgrading plant



Gahengeri site



Tunnel entrance



Crushing & Screening



Washing at site



Pulley for delivery material



Mine Visit Report 2022



Mine/ Dealer Name	Tutimex Ltd.
Location	Kyerwa, Ngara district, Kagera region
Country	Tanzania
Date of the Visit	05/12/2022
Time of the Visit	1 p.m. -3 p.m.
Type of Business	Mining & Dealer
Mining License Number	PML0318KGR Issued Date: 13/08/2021 Expired Date: 11/08/2028 The license will be valid for a period of 7 years
Dealer License Number	DL/001/KGR/2021-2022 Issued Date: 05/07/2022 Expired Date: 30/06/2023 The license will be valid for a period of a year
Business License Number	20000029132 Issued Date: 16/04/2022 Expired Date: 16/04/2023 The license will be valid for a period of a year
Number of sites of the Company	3
Number of sites visited	1
Types of Mining	Open pit & underground
Type of Minerals produced	Cassiterite and Wolfram
Interviewees	Mr. Charles Musoni, Managing Director
Number of workers	250
Working time	Monday - Saturday, 7 a.m. - 4 p.m.
Accident record	It has no any serious accident since 2019
Equipment	Shovels, Hammers, Generators
Production	20MT per month The mine follows on due diligence policy The mine follows on child labor policy refer to their miners registration record
Risk Identification	Not any forms of torture, cruel, inhuman and degrading treatment Not any forms of forced or compulsory labor Not support to non-state armed groups Not support to public or private security forces



Mine Visit Report 2022



Challenges & Recommendations

Taxes, fees and royalties have paid

Tanzanian people doesn't like to work the labor jobs so the shortage of worker is the challenge for Tutimex. Now, some of their workers are Burundian

Tanzania is classified as CAHRAs due to they are an adjoining country of DRC even their mining act. is effectiveness anyway the other traceability scheme should be run in this country that can make them could be exported more minerals Onto the international market

Tutimex has been started the business since 2019

Tanzania Ministry of minerals set up a warehouse for storage tin concentrates from Kyerwa. A government officer and 2-3 policemen are stand by there to secure the material in warehouse and issue the documents to the mines and dealers on that area

A government officer at the warehouse will go to the mine sites on that area to check on the productivity as weekly basis

General Conclusions & Recommendations

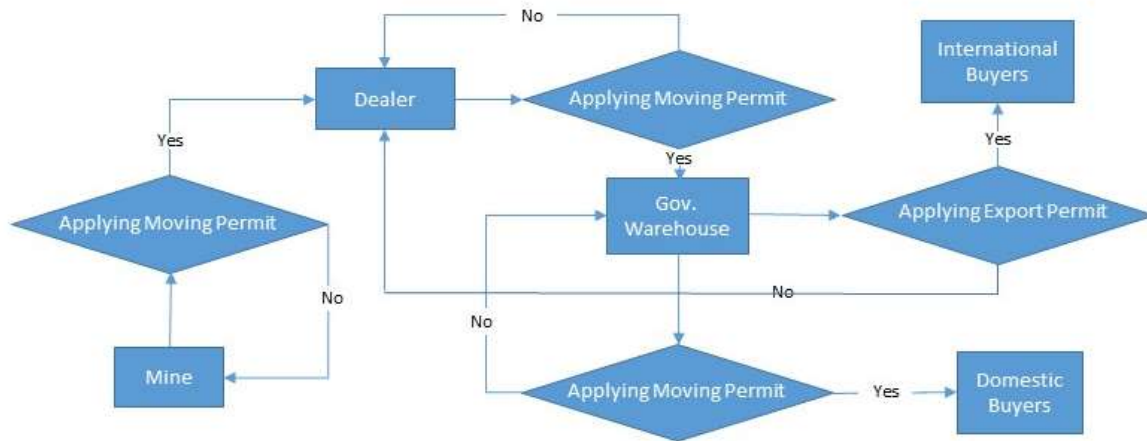
It has 40 mine sites in Kyerwa and the total production of tin concentrates is around 55MT per month

Tutimex do the mining basically, the proper equipment and technology don't be used in their production. Tutimex should provide these to increase their productions on the quality and volume

Shortage of water, it has no any source of water around there. The mine should build up the reservoir to increase their productivity

Some of workers don't have the proper PPE

The entrance of tunnels are not safe. Tutimex should develop by building up the timber, expand the width, and adjust the slope



Mine need to apply the moving permit before deliver the dealer

If government officer at Kyerwa found some discrepancy on weight, mining license is expired, etc. The moving permit will be rejected

The dealer also need to apply the moving permit before deliver the government warehouse

If government officer at Kyerwa found some discrepancy on weight, dealer license is expired, etc. The moving permit will be rejected

When the shipment is ready to sell, the dealer need to apply the moving permit before delivery the shipments to "Domestic Buyers"

Minerals Flow

For the export shipment, the dealer need to send a sample to Tanzania Ministry of minerals to analyze on %Sn

If the result is more than 60% and the royalty tax has paid, the export permit will be approved and the material will be sealed by Tanzania Revenue Authority and Mining Commission

If the result is less than 60% or the 6% of royalty tax is unpaid, the export permit will be cancelled

The export permit will be expired in a month if the mine/ dealer can't export the shipments during the period, they need to re-apply the export permit and the cost is USD200 per shipment



Office for government officer & police



Discussion with a government officer



Tutimex's warehouse



Thaisarco site visit with Tutimex and gov. officer



Warehouse of Kyerwa



Discussion with a gov. officer



Entrance of tunnel



Mining area



Washing area at mine site



Miners at mine site with no PPE



Mine Visit Report 2022



Mine Name	UIS
Location	Erongo region, UIS
Country	Namibia
Date of the Visit	11/12/2022
Time of the Visit	9.00 a.m. - 12.00 p.m.
Type of Business	Mining
License Number	ML 134, ML 129 and ML 133
Number of sites of the Company	2 phases
Number of sites visited	2 phases
Types of Mining	Open pit
Type of Minerals produced	Tin/ Lithium
Interviewees	Mr. Hiten Ooka, CFO
Number of workers	200 for Permanent staffs 50 for contractors
Working time	Monday - Sunday, 3 shifts for 24 hours
Accident record	It has no any serious accident since the operation has been started
Equipment	Crushers, dryers, magnetic separators, excavators, trucks, drilling machines, spiral, jig machines, shaking tables, blasting, conveyor belt, XRT sort, NIR sort, Petalite flotation, Concentrate dewatering
Production	88MT per month and the next target will be 120-130MT per month in 2023
Risk Identification	The mine follows on due diligence policy The mine follows on child labor policy Not any forms of torture, cruel, inhuman and degrading treatment Not any forms of forced or compulsory labor Not support to non-state armed groups Not support to public or private security forces Taxes, fees and royalties have paid
Challenges & Recommendations	To reduce on the production cost and increase their production up to 30-40% in 2023 due to the phase 2 expansion
General Conclusions & Recommendations	The UIS tin mine was discovered in 1911, and the mining was commenced in 1923 AfriTin holds 85% stake in the project, while the remaining 15% stake is held by The Small Miners of UIS (SMU), an enterprise owned by the Namibian Government



Mine Visit Report 2022



UIS has successfully established the tin producing circuits of Phase 1, with the by-product circuits in the design and testing stages. This puts the Company in a position to proceed with a feasibility study for the ultimate Phase 2, of which the PEA represents the first step and UIS is opening the surface at this moment

Metallurgical test work related to the potential lithium and tantalum by-products for phase 2

The total non-JORC compliant mining reserve is 134 million MT of ore, which could result in mine life of 14 years

The overall processing plant recovery for tin is 70% for phase 2 based on metallurgical test work

UIS phase 2 is projected to produce 15,000 MT of tin concentrate per annum (9,000 MTs of contained tin per annum) considering the stage of the feasibility study

Blast-load-haul operations is employed for the UIS

Tin at the UIS deposit is predominantly hosted in pegmatites

The concentrating circuit includes dense medium separation (DMS), fine gravity concentration, and wet high-intensity magnetic separation (WHIMS) modules for the production of salable tin

UIS has the 6,000MT of stockpile which has contained the %Sn around 0.4-0.5%

The capacity of the crusher is 180MT per hour

The provisional %Sn has checked by the portable x-ray machine

The policies of UIS; Anti-Bribery & corruption, Climate change, Community, Environmental, Group diversity, Harassment, Human rights, Materials & supply chain stewardship, Occupational health & safety, Risk management, Sexual harassment, Stakeholder relationship & Engagement, Sustainable development, and Water stewardship

The fences, CCTV, and security have provided at the warehouse which they keep stock of tin

No shortage of water for the whole year, the water is from water supply and all of water from their processes will be re-used, no any effect to environment around there

The UIS will receive power supply from the state-run Namibia Power Corporation (NamPower)

The proper PPE has provided to the workers

The safety signs, safety policy, name of the tunnel, the level & shaft & distance, emergency contact number have labeled on the working area



First aid kit are constructed at many places and the staffs are trained in basic first aid

Furthers, it has several venomous animals (ex. snakes, scorpions) which live in dessert area so the staffs also are trained to catch them



Thaisarco visiting with Afritin



UIS phase 2



UIS phase 2



New facility to support the phase 2 production



Processing plant



Stock pile