

Public-private partnership project

Eco Sustainable Mining Indonesia

Cooperative

2022/2025



ECO SUSTAINABLE MINING

Indonesia



People

Socially Progressive



Planet

Environmentally Conscious



Profit

Fiscally Sound

Introduction Project Eco Sustainable Mining Indonesia (ESMI)

ESMI, is a cooperative project of multiply stakeholders between, local mining cooperative Indonesia, Sustainable Business Development and Innovation Foundation, PT Elite Investment Indonesia, and PT Hyjejo Indo Gold Indonesia, local refineries, Ministry of Forest, Ministry of Investments (BKPM) Universities, Sariah Bank Indonesia (SBI), transport company Brinks.

Project ESMI is developed by the SBDI Center Foundation.

ESMI is developed to find a fair balance and profit sharing between all involved stakeholders.

ESMI is developed to create a clear balance between **People, Planet, and Profit**.

Project ESMI is started in 2018 and went full operational in 2022.

Statement from the founder of the SBDI Center Foundation

I have strong passion for Sustainable, business development. Due to my love for nature and people, I like to support sustainable projects that will create a positive impact on the natural environment and the people. My philosophy on the way people exist is as follows: we are here to care for the world and the people, and our mission is to leave the world better than when we came into this world. Based on my philosophical point of view I developed a new way of entrepreneurship.

My way of sustainable circular entrepreneurship is based on 3 pillars. People, Planet, Profit.

People: involve people in the project, make sure that our project gets the support of the locals in the area of our project, create social benefits for the people, create business opportunities for the locals, and be transparent to the locals.

Planet: be aware of the surroundings, don't destroy nature, clean the area after finishing the project, re-decorate the area after finishing for new local business opportunities, and don't use products in the operational processes that will harm nature, and the surroundings.

Profit: I understand that profit is based on, consumer loyalty, consumer loyalty can be obtained through a good image, and social responsibility, sustainable aspects are the key to consumer loyalty. The focus on investing in staff education, and local education, and reinvesting in start-ups will gain us new investment opportunities.

Cover:.....	1.
Eco Sustainable Mining Indonesia (ESMI).....	2.
Index:	3.
ABOUT US	
ESM:.....	4.
How we do it:.....	5.
Introduction SBDI Foundation Indonesia:.....	6.
Our assets:.....	7.
Ground survey:.....	8/9.
Potential:.....	10/13.
Strategic Plan:.....	14/15.
Our facilities:.....	16/17.
Certifications:.....	18.
OUR POLICY	
Our policy:.....	19.
United Nations Global Compact:.....	20.
UN 10 Principles:.....	21/23.
17 Sustainable Development Goals (SDG's):.....	24/27.
SDG.s benefits:.....	28/29.
MINING INDUSRY RESEARCH	
Environmental:.....	30/32.
Environmental preservation:.....	33/35.
Sustainable mining:.....	36/37.
Circular mining:.....	38/42.
BUILD BACK BETTER	
Sustainable bio-organic agriculture:.....	43/46.
Social Demand:.....	47/49.
Economic grow:.....	50.
Quality Education:.....	51.
Local involvement:.....	52.
Cultural preservation:.....	53/54.
STRATEGY	
strategic plan:.....	55/56.
Employment:.....	57.
Rules and regulations:.....	58.
Anti corruption:.....	59/60.
Sustainable track mechanism.....	61/62.
COMMUNICATION STRATEGY	
Internal communication:.....	63/64
External communication:.....	65
Aida model:.....	66
DONATION STRATEGY	
Eco Sustainable Mining Gold Certificate:.....	67/69
FINANCIAL PLAN	
Donation plan:.....	70/73
Investment plan:.....	74
ROI Calculations:.....	75
Financial projection:.....	76

ABOUT US

ESMI

ESMI, is focusing on sustainable mining based on (people, planet, and profit) This will be achieved due to the implementation of the 10 principles and the 17 sustainable development goals of the United Nations, in combination with technical implementations of sustainable technology in their operational mining process.

ESMI is an international cooperative project in Indonesia, which specializes in commodity precious metal mining and trading. The cooperative is a legal enterprise, which undertakes developing, improving existing, and setting up new strategic mining and trading opportunities in the Indonesian archipelago.

ESMI itself developed a one-stop window mining and trading concept, the company reaches in collaboration with carefully selected partners in an innovative manner its objectives, considering local and internationally set legal regulations, principles, and values. The aspect of humans and the environment are the foundation on which the cooperative cooperation has builds their successes.

People

We understand the importance and support of our human capital in our mining project, Stakeholders loyalty, employment loyalty, and consumer loyalty are the foundation of our project.

We support our stakeholders, supply chain, and communities with the following benefits, reinvestment, and education opportunities.

We support the local communities with the following Socially Responsible Investment (SRI) opportunities, improving the current infrastructure, education programs, micro-credit start-up accelerator in ecological agriculture, Eco tourism sponsoring of cultural events

We guarantee our consumers and stakeholders, **Green** and sustainable mineral mining.

A transparent track record of our minerals, projects, and social support will create consumer loyalty, for our final product and stakeholders.

Planet

We understand the importance of our planet, and it's most important that we give a good example to the industry, we are open and transparent to sharing our technology, our mission, and our vision to contribute to the sustainable development within the mining sector, for a better and cleaner industry, that benefits the world.

Profit

Sustainability is profit, we like to prove that the sustainable impact, will not only benefit the people and planet but will also result in a sustainable profit.

The following components will create a sustainable profit in the long run.

1. Energy saving, due to off-grid energy systems.
2. Carbon saving due to the implementation of electrical equipment.
3. Consumer loyalty, due to implementing the sustainable development goals.
4. Sustainable supply chain.
5. Sustainable stakeholder.
6. Sustainable partners.

We are aware that A sustainable strategy will result in sustainable profits on all fronts.

With the knowledge of the 10 principles and the 17 sustainable development goals as guidelines, we are focusing on implementing these goals in every layer of our organization and operation, to achieve the maximal benefit for People, Planet, and Profit.

Therefore we will join the United Nations Global Compact local network in Indonesia, for the knowledge and know-how, experience sharing and creating partnerships for the goals for mutual benefits.

HOW WE DO IT?

ESMI, started to map the size of local and illegal mining operations in Indonesia.
 We started to discuss the plans and ideas with the local communities.
 We started to discuss with existing trading operations with export permissions.
 We discussed our project with Universities and governmental bodies.
 We brainstormed with UN Global Compact members and entities.
 We developed the outline for the project Eco Sustainable Mining.
 We sign an agreement with all involved stakeholders.
 We did research and development with our stakeholders.
 We created the full project plan.
 We developed a simulation program to simulate our project.
 We went operational.

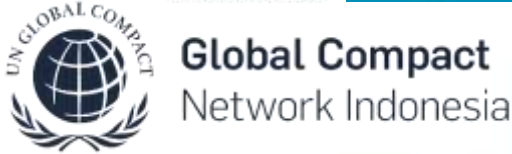
We started with the local cooperative in Dompu Sumbawa and West Jawa.
 In West Jawa we have 20 hotspots at our disposal.
 Our mining strategy is tunnel mining to avoid cutting trees and destroying nature.
 From this mining operation, we collect high-contented concentrated Au.
 This concentrate is stored in 20 mining hotspot locations, protected by the local communities.
 The total storage is 500 MT, with an estimated processing profit of 15 MT refined AU.
 This concentrate will be refined after the purchase agreement, this way we avoid unnecessary risks of processing refining, and storage.

After refined the AU will be picked up by our transport partner Brinks, and delivered according to the purchase contract.

I would like to thank the following partners and organizations for their support, and inspiration.

- The locals of West Jawa for their support, and trust.
- Local and national government for their support and trust.
- PT Elite Investment Indonesia, as exclusive sales partner.
- NASU BV for the technical sustainable development.
- Universities for their knowledge sharing, and their students.
- Popo BAC, for their agriculture knowledge and bio-organic fertilizers.
- SBDI Foundation for sustainable business development advice, and the development of our start-up programs.
- United Nations Global compact for their guidance of implementing the 10 principles and the 17 sustainable development goals in our project.
- Antam as refining partner.
- Geo service as geological ground servery partner.
- Volvo mobility equipment supply partner.
- Komatsu mobility equipment supply partner,
- Rockstar as production machinery supply partner.
- Biopipe as piping supply partner.
- PT Ecopro Agriculture business partner.
- Inovinity Sustainable product development advice partner.





INTRODUCTION SBDI FOUNDATION INDONESIA

Sustainable Business Development and Innovation Centre Foundation, (SBDI Foundation) is a foundation that focuses on implementing sustainability in business, and start-ups, the foundation created education programs, and practical projects to create a practical environment for his participants and future start-ups.

The role of the SBDI Foundation within this project.

1. Sustainable implementation advisory.
2. Create partnerships for the goals.
3. Create start-up education programs for agriculture and eco-tourism.
4. Educate start-ups.
5. Progress monitoring.
4. Project promotion.
5. Project plan development

The SBDI Foundation is an active member of the United Nations Global Compact Indonesia:
<https://unglobalcompact.org/what-is-gc/participants/143281-SBDI-Foundation>

The SBDI Foundation is created to create economic growth on a responsible and sustainable way, due to knowledge sharing, network sharing, and creating a practical environment for its participants, with the mission to upscale the success rate of their start-ups.

Within this project, The SBDI Foundation will develop education programs for sustainable business, in the sector of bio-agriculture, bio-product development, and eco-tourism. In close cooperation with universities, investors, and locals we will explore the opportunity to develop the area after mining, for the benefit of People, Planet, and Profit, with the implementation of the 10 principles and the sustainable development goals of the United Nations Global Compact as guidelines.

The SBDI Foundation would like to express his thanks to, the local communities and all the stakeholders, for the opportunity of the development of this unique project Eco Sustainable Mining Indonesia (ESMI)



SBDI CENTER

Sustainable Business Development
and
Innovation Center

OUR ASSETS

Eco Sustainable Mining Indonesia Assets

1. Human capital
2. Cooperative communities
3. Cooperation
4. Stakeholders
5. Supply chain
6. Intellectual properties
7. Mining concessions
8. Research and development
9. Certifications and licence
10. Cooperation agreements and contracts

Next to hard direct fiscal AU sales, Eco Sustainable Mining developed a redeemable Au certificate as a safe investment tool from 100 grams to 1kg fixed redeemable.

This certificate can be used as an Au backed-up collateral.



GROUND SURVEY



Ground survey examples

Our ground Survey is done in the following stages.

Location survey

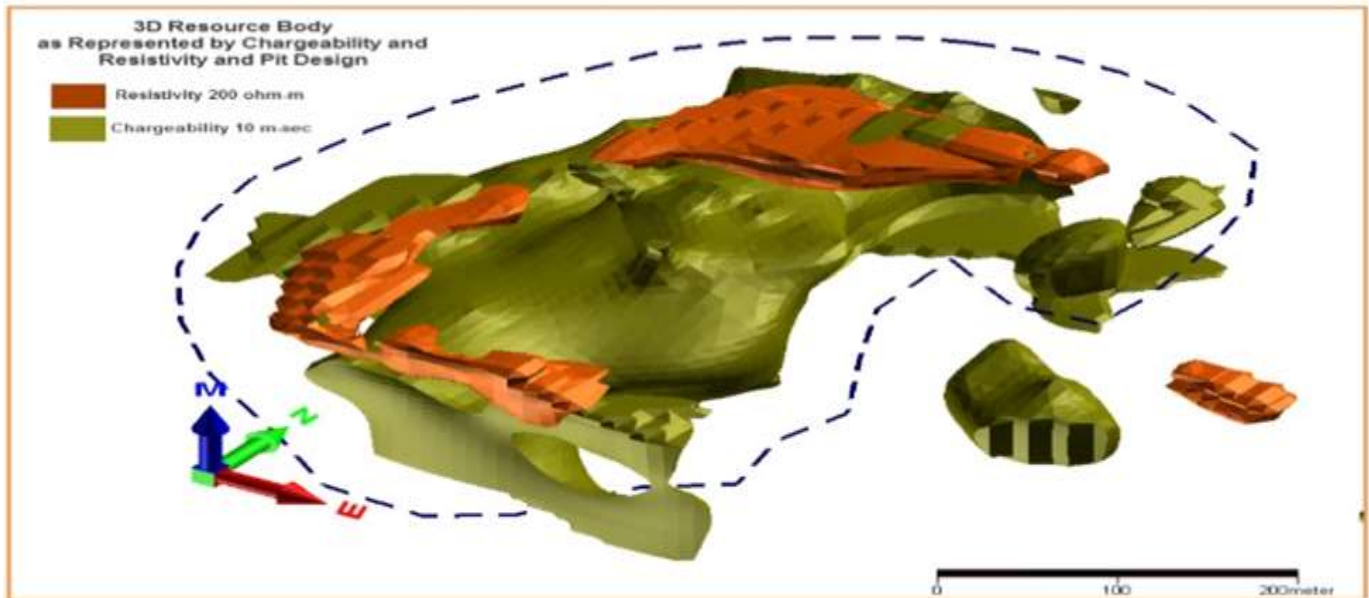
1. Visit the location
2. Meetings with local authorisation
3. Meeting with locals
4. Meeting with mining cooperative
5. Location visit
6. Sustainable check
7. Environment check
8. Human rights check
9. Interview locals
10. Environment samples, ground, rivers

Mineral survey

11. Visit physical traditional mining locations
12. Analyse minerals contents by x-ray
13. Analyse minerals by chemical separation
14. Analyse minerals by processing and refining

Legal survey

15. Legal mining permissions
16. Land ownership
17. Cooperative registration



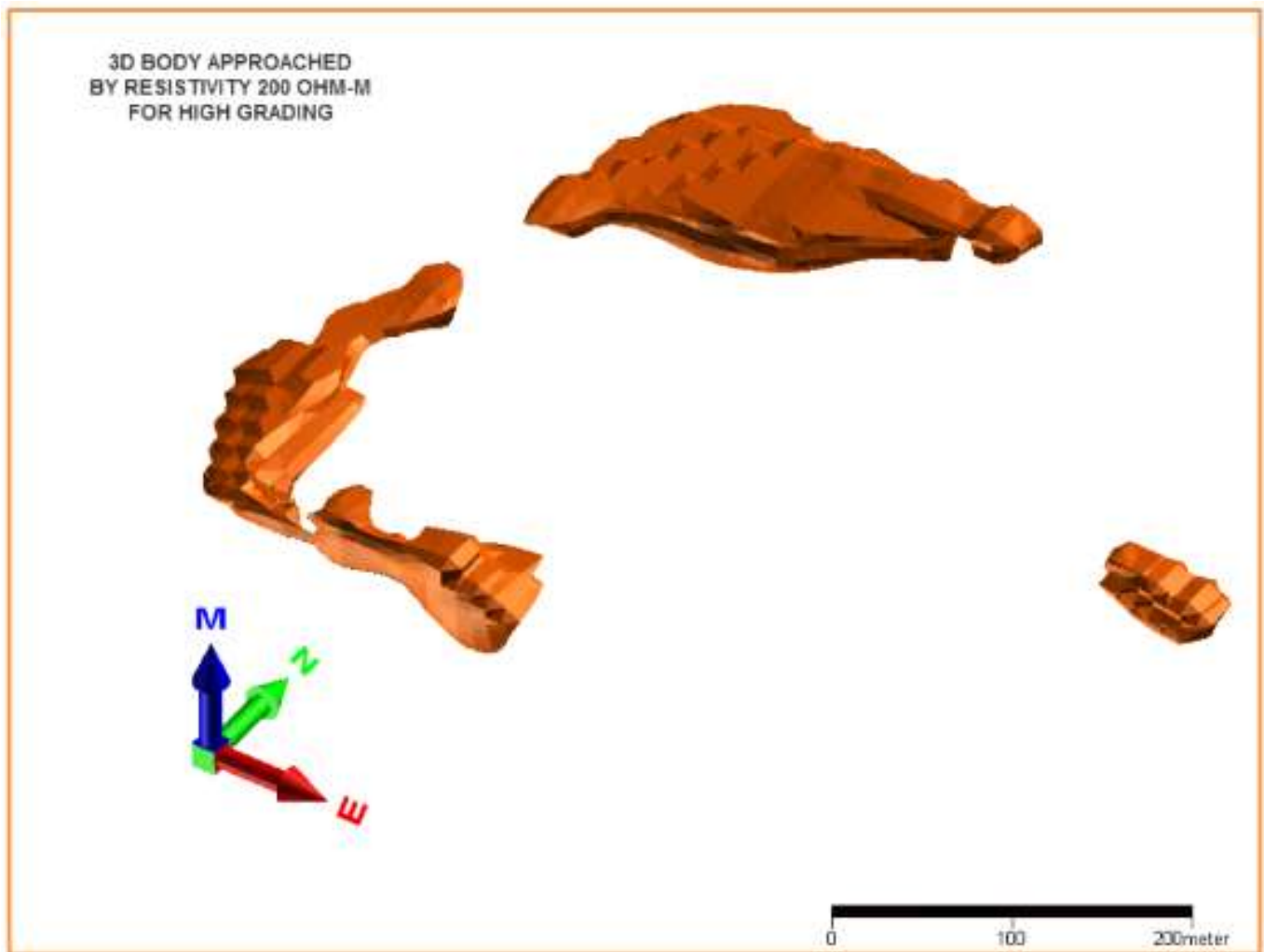
The figure above shows the compilation of the resistivity and charge-ability body representing the resource with the possibility of traditional tunnel mining. The tunnel could be set along the structure that controls the mineralization body.

The size of the tunnel should be measured based on the strength of the flank slope, which could be optimum until the excavation of around 30m depth. The bench size should be suited to the size of mobile equipment and mining sequence. The stockpile position and the composition of ore waste should be precisely managed. Grade control based on the resource model is suggested to achieve optimum resource reconciliation.

POTENTIAL

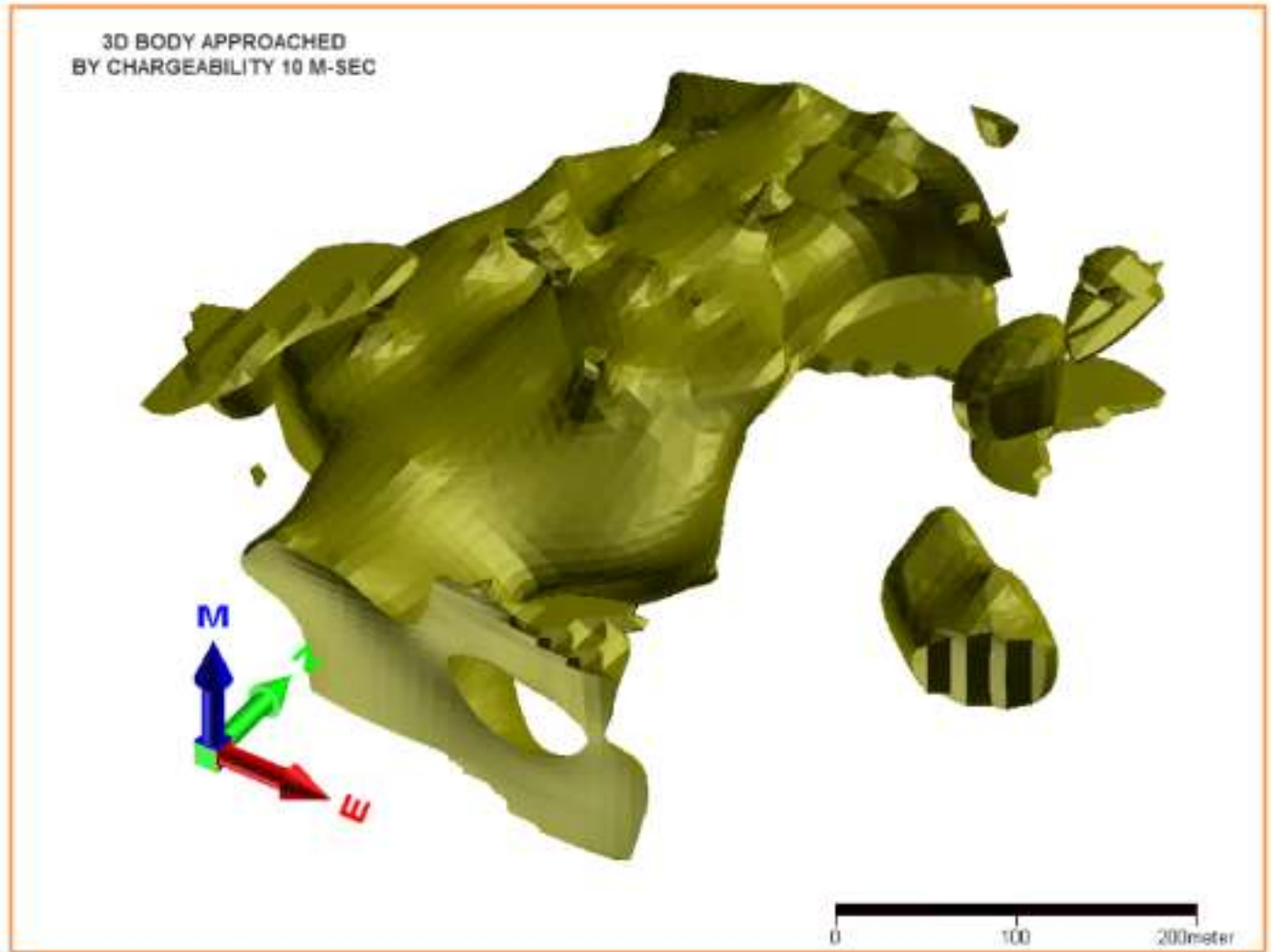
To exclude all risks in advance are the recent years, several surveys have been conducted by international companies, checked by 3 independent laboratories to determine the gold potential with great certainty. The Time Domain Induced Polarization survey (TDIP) conducted in November 2019 is content on the first 20 hectares, has gave us a clearly proven picture of the large potential gold concentration, result as follows.





The figure above shows the 3D resistivity in the zone of the silica vein, which is dominantly related to the significant AU grade. This body could be first collected since it represents the main significant AU hosted.





The figure above shows the 3D charge-ability body of 10 m-sec magnitudes is selected since it represents the oxide blanket of the potential gold resource. The calculation of this 3D wire frame yielded the size of volume 9,664,346 m³, an average dip of the body is 113.119 degrees and the average azimuth of the body is 34.070 degrees. The gold resource could be simulated by ((the volume x estimated average AU grades specific gravity) :31.1. The estimated gold could be set as 20 till 30 gram/ tons, it is a minimum approximation (the surficial assay based on lab is in the range of 30 gram/ ton

Conclusion potential

1. The surficial gold assay result, petrography analysis, and geophysics result are confirmed and correlated with each other. The body as the geophysics result represents the resource's physical properties in the parameter of resistivity and chargeability that potentially represents the gold mineralization host.
2. The mining stage is tunnel mining, in optimization by following the resistivity at the surficial then tends to be in stair bench to follow charge-ability at depth.

Financial projection

Operational

The cooperative at West Jawa has collected 500mt of concentrate with an estimated processing result of 15mt refined AU grade 999.9

Due to AU fair tracking the potential processing will be set on 200mt of refined AU grade 999.9 divided on 20 tunnel hotspots.

ESMI can expand its operations in different islands of the Republic of Indonesia.

West Kalimantan Borneo, Dompu, Sumbawa, Sulawesi, Papua, east Jawa.

ESMI has cooperation agreements with the community cooperatives in this area.

Regarding to governmental research the area of Dompu alone is set on 2 million tons of gold reserves.

The local communities' comparatives control this ground.

ESMI has agreed to set up sustainable mining operations in this area in cooperation with the local community cooperatives.

Our direct financial projection is based on the following available AU concentrations.

Physical assets

Available Assets	Amount	Value
AU concentrate 30%	500mt	USD 1.200.000.000
AU 999.9%	15mt	USD 1.200.000.000
The value is based on the market price USD 80.000 per kg		

Project assets

Available Assets	Amount	
Community comparatives	20	
Mining concessions	20	
Mining licence	20/30 years	
Agriculture	200ha	
Ecotourism	1.026ha	
Intellectual property	Alternative energy/ project plan ESM/ Business plan/ Goodwill	
Contracts and licence	Government licence, cooperative licence, power of attorney	
Stakeholders	Project eco-sustainable mining Indonesia	
Legal department in Europe	Legal partners	
Universities	MOU with universities	
Malang creative center MCC	R&D labs	
SBDI Center Foundation	UN Global Compact membership	
Contracts	Public, and private partnerships	
Brinks	International Logistics	
Governmental organizations	Ministry of Forest, Ministry of Investments, Ministry of mining, Ministry of Tourism, Ministry of environment.	
BSI Bank Indonesia	Collateral of physical assets	

Securities

Based on our physical collateral assets, we can offer the highest securities.

BSI [Bank Syariah Indonesia - Wikipedia](#) is Indonesia gold and asset bank, that offers full security in gold backed-up assets and collaterals.

We can offer our clients a secured transaction and investment service with the highest securities.

Financial and Transportation Security

For fiscal AU transportation, we are only working via Brinks to Brinks.

Payment options will be block funds or cash transactions on Swift MT103.

Investment securities

We offer investors opportunities to invest in AU with a discount of a minimum 1% maximum 5% under the LBMA based on the block period, of min 1 year maximum 5 years at the BSI Bank Indonesia.

Investors will receive an AU-backed-up redeemable certificate that is tradable free of charge.

This certificate will be blocked for a minimum of one year and a maximum 5 years.

After the block period, the certificate owner can redeem the AU to transport it to his required location or expand the block period.

The collateral of the AU in the BSI Bank will be used for risk-free financial instruments, AU Backed up SBLC for commodity trading.

Profits of AU backed-up SBLC, lease will be shared with the original Certificate owner.

Profits will be deposited on the certificate owner, BSI Bank Indonesia bank account.

Secure Physical AU purchase process

1. Physical or online meeting/presentation video
2. Buyer will sign a Non-Disclosure Agreement (NDA)
3. Buyer will receive our KYC requirement list
4. Buyer will send back the KYC list
5. Buyer will send a Letter of Interest (LOI) to PT Elite Investment Indonesia
6. Buyer will receive the Sales purchase agreement (SPA)
7. Buyer will send back the SPA
8. Buyer will receive our profile KYC in hard copy
9. After seven days the (SPA) will be in effect as a Hard Sales Purchase Agreement (HSPA)
10. Buyer will perform as agreed in the (HSPA)

STRATEGIC PLAN

Mineral mining is one of the most destructive industries for nature, we understand that mineral mining is the engine of our world economy, without mineral mining we are not able to run our economy at this moment. For this reason, we established our Eco Sustainable Mining project based on Public-Private Partnerships.

Project Eco Sustainable Mining, offers investment opportunities to the public and private sectors, by selling or investing in AU, or AU backed up assets.

Indonesia counts over 1000e of illegal and community-comparative mining operations. We involve direct and indirect locals and communities in our Eco Sustainable Mining Projects for mutual benefits. With respectful cooperation between all involved stakeholders, in full transparency, we are coordinating and operating Sustainable mining activities with respect for nature as well the communities.

We are implementing the 17 sustainable development goals stated by the United Nations in our projects and operations.

Our give-back strategy guarantees the commitment of the community, stakeholders, and governmental organizations that offer us safety and security.

Our first Eco Sustainable Mining operation is located in West Jawa where we execute traditional tunnel mining, to minimize natural damage. Our operation started in 2022.

At this moment we collected a stock of concentrate of 500mt with an estimated AU of 30%

Our mining operation is divided into 20 tunnel hotspots, where in total 200 locals, are active in collecting AU Concentrate.

Our production processing is at this moment 200kg refined 999.9 24k AU per month with and grow expanding potential of 50kg per month.

Our strategy is a substantial share donation package, depending on added value.

We like to share our business model with the world and give each and everyone the possibility to become part of our project direct or indirect.

Our principles and values are respect for the environment, no pollution, and no use of chemical or toxic substances. Practice clear and clean, means the soil that we dig open is brought back into position after precious metals have been extracted. By restoring the landscape, we and our future children will never be able to perceive that mining has been done before. The finely crushed clean soil can then be used for local agriculture.

With this progressive 'green innovation', the mining Exploitation ESMI become an absolute trendsetter, within the local mining sector and more widely.

ESMI give back strategy, will secure economic growth for locals and the Republic of Indonesia.

By reinvesting in education, start-ups, agriculture, product development and eco-tourism. ESMI will operate as an accelerator for the country's economic growth.

ESMI is a trendsetter in the local mining industry and invites local communities and cooperatives to join our project and program.

At this moment EMSI is experiencing, cooperation applications from all over Indonesia. For this reason, we are looking for reliable off-takers so that we are able to supply the demand based on a long-term relationship for mutual benefit's.

"Eco Sustainable mining Indonesia, serving as the accelerator for People Planet and Profit ".



Circular mining

Our circular mining strategy is based on the following pillars

1. Circular waste management
2. Circular ground management
3. Circular water management
4. Economic growth management
5. Quality education management
6. Re-investment

1. Circular waste management

All our waste must be recyclable, to achieve this goal we appointed our sustainable supply chain manager, with the goal to manage our supply chain as sustainable and circular as possible. For example, organic waste can be transformed to organic compost for agricultural purposes. Chemical waste can be treated with organic microbe stimulators that is able to exterminate chemicals and heavy metals.

The scope of his task is: to develop a sustainable circular supply chain strategy, monitoring the sustainable circular operations. Report his sustainable circular progress.

2. Circular ground management

All our ground must be circular; this means that the ground will be cultivated for agriculture and Eco tourist purposes. After our mining process, ESMI will give the ground back to the community. The mining ground must be mixed with organic minerals and microbes, so this ground can be used for agricultural purpose.

3. Circular water management

The water that is used for our mining operations will be cleaned and neutralized from heavy metals and can be reused for our mining operations or for agriculture purposes.

4. Economic growth

To stimulate economic growth, Eco Sustainable Mining will reinvest in, bioorganic agriculture, product development, the development of home industry SME, local infrastructure and the investment of eco-tourism.

Agriculture and product development of the home industry are the pillars to stimulate economic growth and support the food security of the island. It has the potential to attract Eco-tourism.

5. Quality education management

With the investment in quality education, we like to support the economic growth in the area. To achieve quality education, we focus on the development of practical education programs that we offer to the local schools. For the development of our practical education programs, we work with national and international universities as well as governmental organizations and NGO's the SBDI Center Foundation

Our statement

Due to the implementation of our 5 pillars above we ensure our circular actions sustainably.

Why is this important for us? ESMI believes that sustainable business development is only possible with the support of the locals and the surroundings of ESMI.

Human capital is the biggest value of ESMI. Without human capital, ESMI will be an empty shell.

A sustainable human capital, in management, operations, supply chain, stakeholders, consumers, and local economy creates loyalty and safety for ESMI.

Our sustainable strategy is based the implementation of the 17 sustainable development goals, added by ESMI goal 18 Unity in Diversity, inspired by the ancient Indonesian philosophy Gotong Royong, which means: work together for one goal. And the Pancasila, what means: Unity in Diversity.

ESMI, is an social sustainable project, that focus on sustainable business development.

Where traditional business development is founded on capitalism, and business colonialism, is ESMI, founded on socialism and cooperation.

OUR FACILITIES



The Eco Sustainable Mining facilities are the hart of Eco Sustainable Mining.

These facilities make our mining project socially responsible as well as sustainable.

These facilities are the tools to reach our goals, to become the world's most socially sustainable mining cooperative based on People Planet Profit.

The facilities of Eco Sustainable Mining Indonesia are existing of:

1. Operational mining facilities
2. Logistic facilities
3. Employment facilities
4. Management facilities
6. Financial facilities
7. Social investment facilities
8. Education facilities
9. Environmental facilities
10. Sustainable Development Goals facilities
11. Operational facilities
12. stakeholders facilities



Operational mining facilities

The operational facilities existing of our: sustainable mobile mining equipment, laboratory with ground and mineral analysis equipment, medical first aid equipment: offices equipment with internet and local network, food & beverage equipment, meeting units, sanitary units, sleeping units, water cleaning, recycle equipment, soil recycle equipment, security equipment, transportation equipment, education equipment, Sustainable energy equipment solar panels/ energy storage/ energy management systems, staff facility, financial facilities.

The facilities are facilitated by our ESMI project stakeholders.

Logistic facilities

The logistic facilities existing of our: Operational transportation vehicles, stelcon mobile road system, electric charging system, sustainable energy creation system, digital process monitoring, lightning infrastructure, waste management, water infra structure.

Employment facilities

The employment facilities existing of our: sleeping units, sanitary units, food & beverage units, entertainment units, sport facilities, medical units, education programs, insurance.

Management facilities

The management facilities existing of our: management units, meeting units, office equipment, management monitoring system.

Financial Facilities

The financial facilities existing of our: financial unit, sales department, communication department, P&O department, Employment department, financial strategic monitoring system and bank.

Social investment facilities

The social investment facilities existing of our: social investment unit, social investment department, social investment monitoring system.

Education Facilities

The education facilities existing of our: education department, education units, education equipment, and education monitoring system.

Environmental Facilities

The environmental facilities existing of our: environmental department, environmental unit, environmental measure equipment, environmental monitoring system.

Sustainable Development Goals Facilities

The Sustainable Development Goals facilities existing in our: Sustainable Development Goals department, Sustainable Development Goals unit, communication equipment, social media equipment, and Sustainable Development Goals monitoring system.

Transparency

Each facility is equipped with our tailor-made monitoring system, to monitor and steer every facility's efficiency. Due to our transparency policy, an annual sustainable development report, communication on progress (COP) will be published on our corporate website, as well as on the cooperate website of the United Nations Global Compact.



CERTIFICATIONS

ESMI attaches great value to its certificates, representing the responsibilities that ESMI has. The SBDI SDG certificate is the most dominant certificate that guaranty the implementations of the sustainable development goals of the United Nations in its projects and operations. The SDG certification obligates us to execute interactive transparent communications on the corporate website of the United Nations Global Compact in the form of a communication on progress, what will be open for the public and monitored by the United Nation Global Compact.



External operational certification.

Clear and clean certificate, ISO, ISO 14001, HACCP, Carbon Trust Standard (CTS), Monitoring Certification Scheme (MCERTS), Forest Stewardship Council (FSC) Eco-Management and Audit Scheme (EMAS) Blue Planet Friendly certification (BPFC)

Product certification

Green Gold Certificate (GGC) Redeemable Eco Sustainable Mining Value Certificate.

Green Gold Certificate

Our Green Gold Certificate is based on our environmental action backed up by our external operational certificates.

Eco Sustainable Mining Value Certificate

Our Eco Sustainable Mining Value Certificate is our exclusive unique redeemable value certificate, this certificate is given to investors.

The Certificate is backed up by the ESMI assets, and physical AU to guaranty the certificate holder the value of the certificate.



OUR POLICY



ESMI stands for: Ecologic and Sustainable.

ESMI, is implementing the Sustainable Development Goals (SDGs) of the United Nations Global Compact in its corporate governance.

SDG's

The SDGs are our guidelines for developing and formulating our cooperative governance policies.

We understand the positive impact of the SDG's and the Sustainability that it offers to ESMI.

Strong Foundation

A strong foundation starts with cooperative governance policies.

Our cooperative governance policies is part of the identity of ESMI.

Our character is our cooperative identity, a cooperative identity for consumer loyalty!

Actions

Our actions and policies are developed to change the mining industry and involve local community in our operations, to create social benefits and economic growth.

Ground preservation

With our build-back better policy, after our mining operations, we reshape the ground for agriculture, SME, or eco-tourism. The soil will be reshaped and given back to the local community.

With the support of our partners, trainers, and universities we like to support the locals to start their own businesses.

Education

quality education is one of our top priorities, reinvestment and support in quality education for the local community, create prosperity and economic growth.

Transparency

Transparency is one of our primary policies, due to our tailor-made monitoring systems, we can collect data in every field of our operations, this data will be shared with the public on our cooperative website and the cooperative website of the United Nations Global Compact as Communication On Progress (COP)

Due to transparency, we are able to collect public feedback, this feedback is needed for positive innovation in our operations. It creates consumer loyalty and public respect.

We hope with our transparency policy we are able to set a trend for other mining companies, to make a change for the benefit of People Planet and Profit. Transparency can function as a guard to block corruption.

Due to transparent communications, we can block possible corruption acts.

We understand the power of Human Capital and the effect of social media communication, it scares people who are planning to violate corruption, and for this reason, we use our social media platforms to communicate openly and transparently. Our goal is to create a huge network of human capital that can function as our guard against corruption.

Sharing = caring

Sharing our strategy might create awareness that can result in innovations in the mining industry.

We are open to cooperating and advising other mining companies or start-ups by implementing Sustainable Development Goals in their operations.

Image building

By transparency process communication, we are showing the Eco Sustainable character and image.

We practice what we preach, we are eco-friendly, we are Sustainable we are open and transparent.

These characteristics are of great value for our brand loyalty, which will upscale our brand equity, our brand equity is one of our important assets.

UNITED NATIONS GLOBAL COMPACT

The United Nations Global Compact is a non-binding United Nations pact to encourage businesses and firms worldwide to adopt sustainable and socially responsible policies and to report on their implementation. The UN Global Compact is a principle-based framework for businesses, stating ten principles in the areas of human rights, labor, the environment, and anti-corruption. Under the Global Compact, companies are brought together with UN agencies, labour groups, and civil society. Cities can join the Global Compact through the Cities Programme.

The UN Global Compact is the world's largest corporate sustainability (a.k.a. corporate social responsibility) initiative with 13000 corporate participants and other stakeholders over 170 countries with two objectives: "Mainstream the ten principles in business activities around the world" and "Catalyse actions in support of broader UN goals, such as the Millennium Development Goals (MDGs) and Sustainable Development Goals (SDGs)". Moving forward, the UN Global Compact and its signatories are deeply invested and enthusiastic about supporting work towards the SDGs.

The UN Global Compact was announced by then UN Secretary-General Kofi Annan in an address to the World Economic Forum on 31 January 1999, and was officially launched at UN Headquarters in New York City on 26 July 2000. The Global Compact Office works based on a mandate set out by the UN General Assembly as an organization that "promotes responsible business practices and UN values among the global business community and the UN System. The UN Global Compact is a founding member of the United Nations Sustainable Stock Exchanges (SSE) initiative along with the Principles for Responsible Investment (PRI), the United Nations Environment Programme Finance Initiative (UNEP-FI), and the United Nations Conference on Trade and Development (UNCTAD).

UNITED NATIONS GLOBAL COMPACT NETWORK

Local networks of the Global Compact advance the initiative and its ten principles at a country level. Currently there are approximately 85 Local Networks in total. These networks help companies and non-profit organizations understand what responsible business means within diverse national, cultural, and linguistic contexts. Additionally, there are related programs for topics of interest, such as the Business for Peace initiative, that bring awareness to businesses and other organizations about instability and conflict, such that organizations can help to address these concerns from their own perspective and with the assistance of their local networks. Local connections to supplement the international connections made by the Global Compact at large can help to broaden the engagement and impact of members. Local Networks are independent, self-governed and self-managed entities, and work closely with the UN Global Compact's New York headquarters, and coordinate as points of contact for UN Global Compact signatories in their respective countries.

The United Nations Global Compact is doing a great job to create a better world for future generations. The movement is the biggest movement in the world.

To change international policy's we understand that they need data, analysis, research and academic papers, to convince the policy makers of each country. It's our job to support the United Nations Global Compact with our practical field data, analysis, and research, to show the proof of the sustainable impact, that bio-organic agriculture has on people, planet and profit.

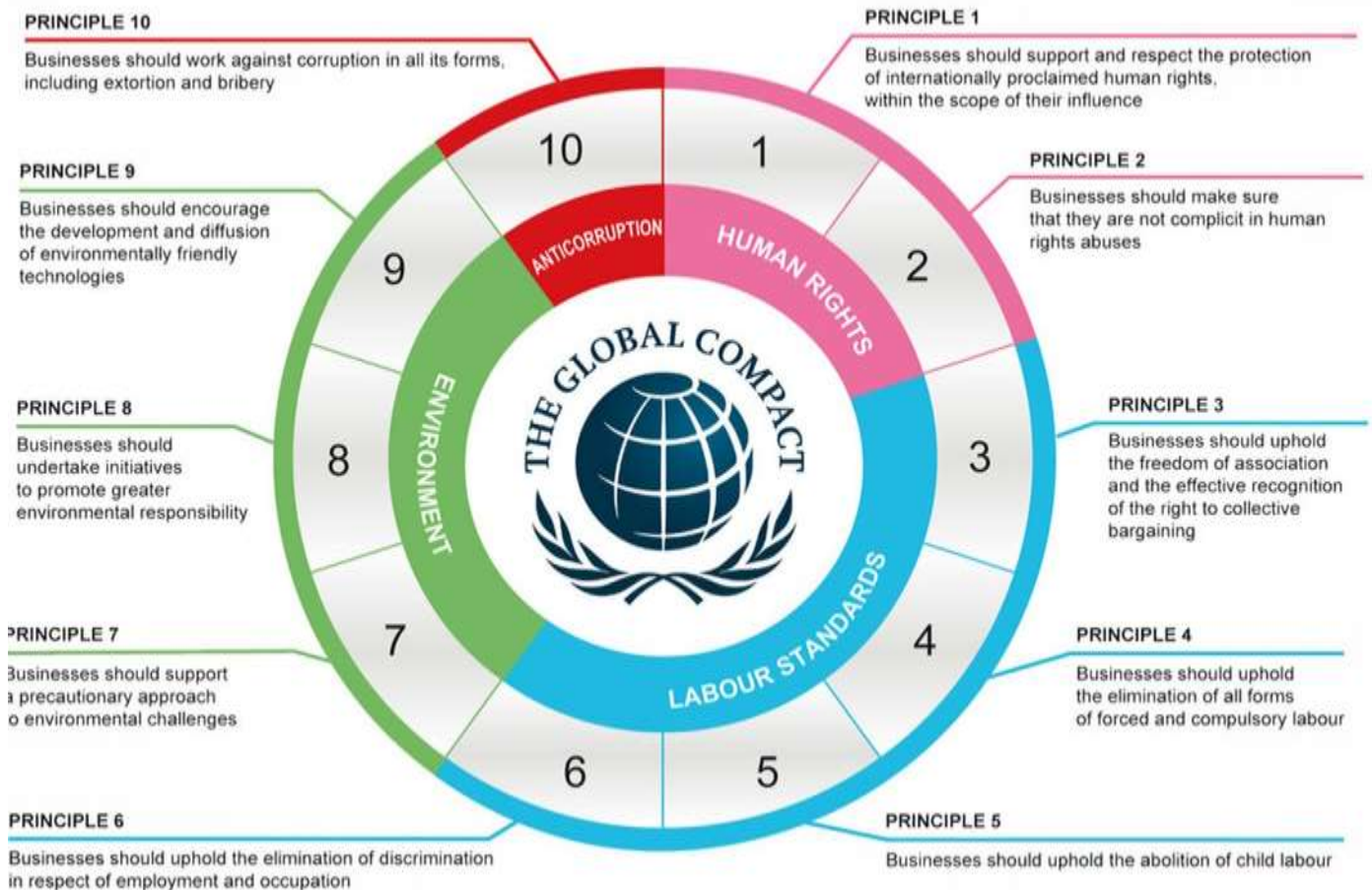
We understand that the economy is formed based on supply and demand, therefore we promoting Eco Sustainable Mining and bio-organic products, to push the demand to bio-organic production.

Our strategy is bottom up, from farmer, students, university's, consumer, supply change and multinationals, to create awareness, and give a sign to policy makers, to change the policy, for the use of chemical fertilizer and pesticides, that destroying our nature, our ground, our water our sea and our health!

THE SUSTAINABLE DEVELOPMENT GOALS IN INDONESIA

The United Nations is committed to working with the Government of Indonesia to building a nation that is prosperous, democratic, and just, where development benefits all people, and where the rights of future generations are protected. True to the promise of the SDGs to "leave no one behind", the UN's approach combines a strong focus on the poorest of the poor, combatting discrimination and rising inequalities and addressing their root causes. "Leaving no one behind" means prioritizing people's dignity and placing the progress of the most marginalized and vulnerable communities first. This central and transformative promise has become more important than ever to address the impacts of mining and work towards a sustainable, resilient, and inclusive recovery.

UN 10 Principles



01

RESPECT
and support internationally recognized human rights in your area of influence

<https://www.unglobalcompact.org/what-is-gc/mission/principles/principle-1>

ESMI, will commit to this principle, due to its due diligence to their supply chain, investors, clients, and partners. Cooperation with ESMI, can only be established when human rights are fully respected. ESMI Susta, will re-invest in the local community, by offering start-up programs in the sector Agriculture and eco-tourism, to ensure economic growth and stability in the area.

02

ENSURE
That your company does not participate in any way in the violation of human rights

<https://www.unglobalcompact.org/what-is-gc/mission/principles/principle-2>

ESMI has a monitoring mechanism for the protection of human rights and its violations. This mechanism will monitor the activities of his partners, stakeholders, supply chain, and customers on human rights behaviour. Eco Sustainable Mining will take actions that are needed to protect human rights.

03

SUPPORT

Freedom of association and recognition of workers' collective bargaining

<https://www.unglobalcompact.org/what-is-gc/mission/principles/principle-3>

ESMI will educate its employees on human rights, and the employers of ESMI will gain the full rights to create an independent labour organization, this organization will function as the labour voice and will function as an advice mechanism, to understand the needs and wishes of our employers. Eco Sustainable Mining, will organize human right meetings with his labour organization, to optimize our labour loyalty.

04

ELIMINATE

all forms of forced or compulsory labour

<https://www.unglobalcompact.org/what-is-gc/mission/principles/principle-4>

ESMI , forbids forced labour in any form, all labour activities will be described in the employment contract, and the employer agrees with all the activities that are mentioned in the contract. when it happens that there are activities that are outside his job description, a written agreement will be made for the performance of these activities, these activities can only be performed with approval and appropriate compensation.

05

ERADICATE

all forms of child labour in your productive chain

<https://www.unglobalcompact.org/what-is-gc/mission/principles/principle-5>

ESMI forbids child labour, our labour staff will be above 20 years old. Eco Sustainable Mining, will monitor its partners, investors, stakeholders, supply chain, and clients on child labour. Any form of child labour will result in a direct ending of cooperation, communication or association with ESMI. ESMI will point out this violation statement in all its agreements with its partners.

06

STIMULATE

all practices that eliminate any form of discrimination at the workplace

<https://www.unglobalcompact.org/what-is-gc/mission/principles/principle-6>

ESMI has a strong anti-discrimination policy, discrimination within the cooperation will not be tolerated, and every person is important in the operation. ESMI will educate his employers about his house rules policy, shown in every employer facility. Eco Sustainable Mining will do due diligence towards its partners, stakeholders supply chain regarding discrimination, and take action were needed.

07

ASSUME
a responsible,
preventive and
proactive posture
towards
environmental
challenges

<https://www.unglobalcompact.org/what-is-gc/mission/principles/principle-7>

ESMI, has his focus on, natural, social and local environment, therefor we create a environment steering mechanism committee with University's local government and locals, to monitor the impact, influence, social behaviour, cultural and economic effects of our project. The steering committee will feedback us with research data, and advise us with steering strategies were needed, to develop a positive impact on the environment.

08

DEVELOP
Initiatives and
Practice to
promote and
divulge
socioenvironmental
responsibility

<https://www.unglobalcompact.org/what-is-gc/mission/principles/principle-8>

ESMI, understands the negative impact, that mining operations have on the environment. Sustainable mining is our solution to change that image, therefor we use no chemicals in our mining process. We will use emission-free equipment to reduce carbon pollution. We will cultivate the land after mining, to use for Bio-organic agriculture farming, and start-up business development in organic product development and Eco-tourism.

09

PROMOTE
the development
and dissemination
of environmentally
responsible
technologies

<https://www.unglobalcompact.org/what-is-gc/mission/principles/principle-9>

In our production process we will use new technologies, electric equipment like crushers and excavators supplied by our off-grid energy systems, are some of our technologies to reduce the carbon pollution. Our water consumption will be continuously recycled. Our organic waste will be used to cultivate the area into agriculture ground. Our complete sustainable mining plot operation, will be circular, and focused on the reduction of carbon.

10

FIGHT
corruption in all
of its forms,
including extortion
and bribery

<https://www.unglobalcompact.org/what-is-gc/mission/principles/principle-10>

Transparency is our strategy to fight corruption, our complete operations will be fully transparent, for our partners, stakeholders, and customers, to create loyalty. Corruption or attending to corruption will be communicated in our reports, that can be followed by the public. Our followers, will give us the body that we need, to warn every person of attending to corruption. Social media is a powerful platform to promote anti-corruption and protect our organization of corruption.



17 SUSTAINABLE DEVELOPMENT GOALS (SDG's)

	<p>https://sdgs.un.org/goals/goal1 https://www.un.org/sustainabledevelopment/poverty/</p> <p>ESMI, will support SDG 1, by investing in education programs and start-ups in the field of bio-organic agriculture, bio-organic product development, and Eco-tourism. By creating start-ups in farming as well as product development, retail, and Eco-tourism we like to boost the economic growth in Indonesia, to end poverty in all forms! Due to our start-up crowdfunding investment program, we offer international investment opportunities, for mutual benefits.</p>
	<p>https://sdgs.un.org/goals/goal2 https://www.un.org/sustainabledevelopment/hunger/</p> <p>By investing in bio-organic agriculture, bio-organic product development and Eco-tourism, we like to create financial business opportunities for the locals at our project area, to stimulate economic growth and welfare. Our goal is to end hunger by promote and secure bio-organic agriculture, land cultivation, research and development to create food with better nutrition, we promote sustainable bio-organic agriculture, to become a new standard in our food supply chain.</p>
	<p>https://sdgs.un.org/goals/goal3 https://www.un.org/sustainabledevelopment/health/</p> <p>We understand that good food, is the key to good health, By investing in bio-organic food production, and bio-organic product development, we like to create, healthy bio-organic food and products, that benefit people's health. Healthy food for a healthy life, is our slogan, due to our cooperation with universities we are able to research and analyze our soil, and water, so we can study the right bio-organic treatment for our soil and crops, to boost the nutrition within our food supply chain.</p>
	<p>https://sdgs.un.org/goals/goal4 https://www.un.org/sustainabledevelopment/education/</p> <p>Quality education is practical education, experience is the key to education. Therefore we are investing in practical education programs, in Indonesia. Our cooperation with universities, start-ups, businesses, and bio-organic knowledge partners, will create knowledge sharing on all levels, our platform and social media activities as well as our presentations and lectures will create a fast distribution of knowledge and awareness.</p>
	<p>https://sdgs.un.org/goals/goal5 https://www.un.org/sustainabledevelopment/gender-equality/</p> <p>Our organization is multi diverse, we select our staff on skills, experience and motivation. In our organization everyone is equal and treaded with respect. Our education program is accessible for everyone, women's, man, of every ethnic, or religion.</p>

6 CLEAN WATER AND SANITATION



<https://sdgs.un.org/goals/goal6> <https://www.un.org/sustainabledevelopment/water-and-sanitation/>

We understand that clean water and sanitation is important, our water and waste recycling system will create clean sanitation water. In our mining process, we use no chemicals that can contaminate the ground water. After mining, the soil is cultivated into agricultural soil with bio-organic fertilizers to avoid any pollution of groundwater. Local polluted water will be cleaned with bio-organic water treatment of our partner BAC and Popo.

7 AFFORDABLE AND CLEAN ENERGY



<https://sdgs.un.org/goals/goal7> <https://www.un.org/sustainabledevelopment/energy/>

We use off-grid energy systems, to supply the energy for our mining equipment and tools. We like to be a role model by sharing our sustainable mining project with the world, as an example. We like to share our experience and technology with the world to support the trend of off-grid energy systems.

8 DECENT WORK AND ECONOMIC GROWTH



<https://sdgs.un.org/goals/goal8> <https://www.un.org/sustainabledevelopment/economic-growth/>

Sustainable economic growth will be the most efficient by creating start-ups, research and development. These ingredients are needed to secure economic growth, social stability and decent work for all. With our start-ups projects in bio-organic agriculture, product development and Eco-tourism, we are committed to support decent work and economic growth, with this strategy of social multi investment we like to set an example to the mining industry, with the clear message, that after mining the ground can be used for locals to create economic growth.

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



<https://sdgs.un.org/goals/goal9> <https://www.un.org/sustainabledevelopment/infrastructure-industrialization/>

With our education program for start-ups, we like to create a Sustainable infrastructure, to start at the mining location with agriculture, and product development as well as Eco-tourism. This business infrastructure will function as the basis for economic growth in the area.

10 REDUCED INEQUALITIES



<https://sdgs.un.org/goals/goal9> <https://www.un.org/sustainabledevelopment/infrastructure-industrialization/>

To reduce inequality at all levels, we focus on creating opportunities for the locals in agriculture, home industries, product development and ecotourism. By offering practical education programs developed by the SBDI Center Foundation and University's, we will support the local community to create economic growth in all levels.

11 SUSTAINABLE CITIES AND COMMUNITIES



<https://sdgs.un.org/goals/goal11> <https://www.un.org/sustainabledevelopment/cities/>

Sustainable communities are creating circular economies, without circularity, there is no sustainability. Therefore we are redecorating the plot mining area per 20Ha for agriculture and eco-tourism, to prove our sustainable circular business model to the world as a new way of Sustainable, and social entrepreneurship.



<https://sdgs.un.org/goals/goal12> <https://www.un.org/sustainabledevelopment/sustainable-consumption-production/>

Responsible consumption starts with responsible production, in our practical sustainable business development education program for bio-organic agriculture and product development we educate our participants on how to cultivate the land in a bio-organic way, and how to develop products in a responsible way. Waste management, CO2 reduction in production is a mature focus points in our education program.



<https://sdgs.un.org/goals/goal13> <https://www.un.org/sustainabledevelopment/climate-change/>

We like to support climate actions with the implementation of sustainable technologies within our mining process, to reduce carbon pollution. We will promote our project internationally, and share the data and technology with the public, to create awareness and actions. Restore nature, and balance the earth, on land, water, sea, and air. Planting, and agriculture management as well as sustainable production, within our supply chain, are of great importance in tackling the problems. Our goal is to create a good environment for our future generations. Our projects are based on **People, planet, profit**.



<https://sdgs.un.org/goals/goal14> <https://www.un.org/sustainabledevelopment/oceans/>

The impact of agriculture on life below sea, is underestimated. A lot of research needs to be done! Our land is connected with our sea, due to rivers and canals. By using chemical our sea will encounter chemicals like, phosphate, phosphor what is the cause of blue-green algae. Blue-green algae is a huge danger for life below sea and humans. We understand the impact of ground pollution, and the relation of ground water and life below water, for that reason we will not use any chemical compound in our operations, we recycle our water and waste to guaranty zero contamination of ground water.



<https://sdgs.un.org/goals/goal15> <https://www.un.org/sustainabledevelopment/biodiversity/>

Our ecosystem is interconnected above the ground as well as in the soil. The roots of a microorganism in the ground are a well-balanced natural wonder and the cause of healthy flora and fauna. Our mining operations are only established in rocky areas, with tunnel mining we minimize the destruction of trees and vegetation. The crushed rocks will be mixed with organic fertilizer to cultivate the ground into organic ground full of microorganisms. With organic ground, we create a surrounding for insect's birds and animals.



<https://sdgs.un.org/goals/goal16> <https://www.un.org/sustainabledevelopment/peace-justice/>

For ESMI it's important to understand the wishes, and culture of the locals as well as their employers. We will support our employers as well as the locals by setting up, independent organizations, that function as their voice, this organization will be the sparring partner of ESMI for mutual understanding, peace and justice.



<https://sdgs.un.org/goals/goal17>
<https://www.un.org/sustainabledevelopment/globalpartnerships/>

ESMI, cooperates together with, universities, local and national government, local organizations, SBDI Foundation Indonesia, United Nations, Global Compact Indonesia, investors, local and international supply chain, to create partnerships for the goals. We educate ourselves and our partners, by updating our sustainable development goals, and creating sustainable business development education programs with our partners.

Summary of the implementation of the 17 SDGs

The 10 principles and the 17 SDGs function as guidelines for ESMI, as well as our Sustainable practical education program for our start-ups. We understand the needs of implementing the 10 Principles and the 17 SDG's within our Sustainable business strategy.

Re-investment in People, and Planet creates new business opportunities, and Profits for mutual benefits. The 10 principles and the 17 sustainable development goals of the United Nations Global Compact are our guidelines to create these opportunities, by studying them, we have a better picture of how to use these principles and goals for the benefit of our organization and partners.

We strongly advise, and guide all our partners, and participants to do the same.

We like to thank the United Nations Global Compact, and all its participants for the lessons, education opportunities, online seminars, and success stories, that motivate us, with the sustainable development of our organization.



United Nations
Global Compact

20
years

Uniting business for a better world

#UnitingBusiness



SDG's BENEFITS

Sustainable Development Goals benefits

The 17 sustainable development goals of the United Nations Global Compact, and the worldwide activities of the United Nations Global Compact Network, create awareness for the implementation of the sustainable development goals within their corporations, stakeholders, and supply chain.

The global compact network, shares business experience of the implementation of the goals. The outcome and effect are creating, huge positive benefits for the multinationals.

The benefits

Social respect = Consumer loyalty = Financial profit = Sustainable business.

To create social respect, they must innovate their supply chain, products, and production as well as their social responsibility activities, just a donation to an NGO is not of this time! And will not give the public credibility and image of a socially sustainable company.

Investments in local sustainable production, based on SDG 17 partnerships for the goals, will be the new trend, in sustainable business development. This will create social and economic growth in all levels.

Climate change

The world agenda Climate Change affects all people, social, economic, and financial.

All over the globe, we see climate change demonstrations, due to the fast communication of the internet, climate communities keep on growing. The awareness of climate change has a huge impact on our daily lives, we start to understand that we as humans are responsible for climate change, and this results in climate actions. This trend is responsible for a huge change in behaviours in our daily lives. The awareness of our food and product consumption, and waste management, creates a new lifestyle.

This new sustainable lifestyle, demands new products, and bio-organic food production is one of their demands.

This will create a variety of new bio-organic products, and markets.



Indonesia

Pollution awareness

Due to the pollution awareness, the recycle industry is growing rapidly, recycle is the new standard in production. The development of new bio-degradable disposables from, sugarcane pulp, rice, paper, and bamboo is gaining popularity, circular economy is the pillar of a new economy. Indonesia is the country that can profit the most from this new trend. This is due to the huge amount of raw materials that are needed to produce these products. Therefore, investments in R&D for the development of new circular bio-degradable products are needed in Indonesia. ESMI supports start-ups to enter this business.



MINING INDUSRY RESEARCH

ENVIRONMENTAL

Environmental problems due to mineral mining

The mining sector has a bad reputation due to the environmental problems, created by the mining operations. This environmental problem has negative effects on the living standards of the locals, their culture, nature, and life on land and below water.

In our research for solutions, we have to understand the problems and the source of the problems. For this reason, we started our journey with research on the mining industry, the destructive stories, the sustainable development in the mining industry, and the international future policies regarding mineral mining.

Sources,

<https://earth.org/environmental-problems-caused-by-mining/>

<https://www.unep.org/news-and-stories/opinion/it-time-stronger-environmental-regulation-mining-sector>

<https://environmentalevidencejournal.biomedcentral.com/articles/10.1186/s13750-019-0152-8>

<https://web.mit.edu/12.000/www/m2016/finalwebsite/problems/mining.html>

<https://www.worldatlas.com/articles/what-is-the-environmental-impact-of-the-mining-industry.html>

<http://encyclopedia.uia.org/en/problem/137730>

<https://iopscience.iop.org/article/10.1088/1755-1315/384/1/012195/pdf>

<https://link.springer.com/article/10.1007/s10653-019-00367-7>

<https://www.cdc.gov/niosh/mining/userfiles/works/pdfs/crai.pdf>

Problems

Toxic products used in mining.

- cyanide, sulfuric acid, and solvents for separating minerals from ore
- nitric acid
- ammonium nitrate and fuel oil ("ANFO") used in blasting tunnels
- heavy metals such as mercury, uranium, and lead
- gasoline, diesel fuel, and exhaust fumes from vehicles and equipment
- acetylene for welding and soldering
-

Source: https://www.artisanalgold.org/wordpress/wp-content/uploads/2020/07/AGC_Health-brochure_Chemical-hazards-in-ASGM.pdf

What is cyanide?

Cyanide is a rapidly acting, potentially deadly chemical.

“Cyanide” can mean any one of various compounds containing the chemical group CN: one atom of carbon (C) and one atom of nitrogen (N). Because it is organic, it reacts readily with living organisms.

Cyanide easily combines with many metals making it useful in separating metals like gold from their ore.

How is cyanide used in mining?

A sodium cyanide solution is commonly used to leach gold from ore. There are two types of leaching:

- **Heap leaching:** In the open, cyanide solution is sprayed over huge heaps of crushed ore spread atop giant collection pads.
The cyanide dissolves the gold from the ore into the solution as it trickles through the heap. The pad collects the now metal-impregnated solution which is stripped of gold and resprayed on the heap until the ore is depleted.
- **Vat (or tank) leaching:** The ore is mixed with cyanide solution in large tanks. Although the chances of spills are lower because the leaching process is more controlled, the resulting waste, known as tailings, is stored behind large dams (tailings impoundments) which can and do fail catastrophically.

What are the dangers of using cyanide?

Cyanide is highly toxic and can result in substantial environmental impacts and public health risks if released into the environment. Cyanide spills have resulted in major fish kills, contaminated drinking water supplies, and harmed agricultural lands. For example:

- Mexico, 2014: 500,000 gallons of cyanide solution spilled from a retaining pond at the Proyecto Magistral mine, after heavy rains.
- Kyrgyzstan, Kumtor Gold Mine, 1998: A truck carrying 2 tons of sodium cyanide crashed into the Barskoon river, resulting in more than 2,000 people seeking medical care.
- Romania, Aural Gold, 2000: A tailings dam ruptured, spilling 3.5 million cubic feet of cyanide-contaminated waste into the Tisza and Danube Rivers, killing fish and poisoning water supplies as far as 250 miles downriver in Hungary and Yugoslavia.
- United States, Zortman-Landusky Mine, Montana, 1982: 52,000 gallons of cyanide solution poisoned the aquifer that supplies fresh drinking water for the town of Zortman. The accident was discovered when an employee of the mine noticed the smell of cyanide in his tap water at home.

Cyanide spills can persist in the environment

Industry claims cyanide is relatively safe because even if it spills it breaks down rapidly in surface water.

However, the compounds that cyanide breaks down into can be harmful.

Cyanide spills into groundwater can persist for long periods of time and contaminate drinking water aquifers.

Cyanide-contaminated groundwater can also pollute hydro-logically connected neighbouring streams.

For example, at the Beal Mountain Mine in Montana which closed in 1998, cyanide seeped into groundwater that feeds neighboring trout streams, resulting in cyanide violations in those streams long after the mine closed.

The bottom line

Today's hard rock mining industry too often spills cyanide, billions of gallons of contamination released into the environment since the 1970s. Spills and leaks which continue to this day endanger the environment, wildlife, and humans.

For More Information

https://earthworks.org/assets/uploads/archive/files/publications/Cyanide_Leach_Packet.pdf

<https://earthworks.org/assets/uploads/archive/files/publications/CyanideFactSheet.pdf>

<https://earthworks.org/assets/uploads/archive/files/publications/cyanideuncertainties.pdf>

https://earthworks.org/assets/uploads/archive/files/publications/mcu_final.pdf

<https://docplayer.net/34814259-The-cyanide-spill-at-baia-mare-romania-before-during-and-after.html>

<https://www.usgs.gov/search?keywords=cyanide>

Conclusion

Our research in the mining industry tells us that there are huge improvements that need to be made, in the operational as well as in the management to make our mining project sustainable.

Our focus will be environment-friendly mining, in combination with circular sustainable business development, for the locals.

Solution

Heavy metals are a danger to nature and humans, for this reason, we are focused on removing all heavy metals. To monitor heavy metals we work with universities that have a state-of-the-art, laboratories where we analyse the ground water and waste on a daily basis.

Based on our analyses we are able to take actions where needed, to prevent any natural damage of land and water contamination.

Our focus points are:

- Our mining process will be developed without the use of chemicals.
- We decontaminate polluted ground.
- We separate heavy metals.
- We recycle and purify production water.
- We recycle and purify wastewater.
- We recycle our organic waste.
- We use electric equipment where possible.
- We generate our own energy needs.
- We cultivate the mining ground for agriculture after mining.
- We re-invest in Bio-organic agriculture.
- We re-invest in Bio-organic product development.
- We re-invest in Eco-tourism.
- We invest in sustainable business development, and education programs.
- We invest in the locals.
- Online mining monitoring system.

By developing and implementing the focus points above in our business model, we are creating a worldwide unique circular sustainable mining business model, that benefits the **People, planet, and profit**.



ENVIRONMENTAL PRESERVATION

Environmental preservation is for ESMI not only the protection and preservation of the land and natural environment but also the local and cultural environment.

For this reason, ESMI will support independent local communities with their community development.

ESMI, is eager to work with the local communities and is willing to listen to their wishes, cultural background, and cultural heritage. It's important for ESMI to learn and invest in cultural preservation. ESMI, understands the huge value of cultural preservation, especially for the development of Eco-tourism.

Eco-tourism is based on 3 pillars.

1. Culture
2. Food
3. Nature

Investment in these 3 pillars is needed to attract eco-tourism and investors to Indonesia.

1. Cultural, and cultural activities are needed to make the locations attractive for tourists, such as cultural events, workshops, or art.

2. Food, Bio organic food production becomes more and more a priority in our daily life. By investing on bio-organic agriculture and home made product development SME, we are creating activities for the eco-tourism industry. Homemade product development are locations were the eco tourists can visit, to learn about home made cultural food productions.

The SME can supply guides and workshops, to promote there sustainable agriculture and food development practice, and is able to create an national and international market, due to the visits of national and international eco-tourism.

3. Nature, invest in the nature, means go 100% organic, chemicals like fertilizers and pesticides are responsible for ground and water pollution. Healthy nature starts with healthy ground.

Environmental preservation can only be established due to good cooperation between locals, governmental organisations universities and business, in SDG 17 Partnerships for the goals.

With the focus on Environmental preservation we implement the following sustainable development goals (SDG's)in our projects



**End Poverty
in All its
Forms
Everywhere**

By creating start-ups in farming as well as product development, retail, and eco-tourism we like to boost the economic growth in Indonesia, to end poverty in all forms! Due to SBDI start-up investment program, we like to offer international investment opportunities, for mutual benefits. Our circular sustainable business strategy is based on creating jobs for small and medium businesses and sustainable supply chain partners for multinationals.



**End hunger, achieve
food security and
improved nutrition
and promote
sustainable agriculture**

Our goal is to end hunger by promote and secure bio-organic agriculture, land cultivation, research and development to create food with better nutrition, we promote sustainable bio-organic agriculture, to become a new standard in our food supply chain.



**Ensure healthy
lives and promote
well-being for
all at all ages**

Healthy food for is a healthy life, is our slogan, due to our cooperation with universities we are able to research and analyse our soil, water, so we can study on the right bio-organic treatment of our soil and crops, to boost the nutrition within our food. Nutrition's within our food, are responsible for our healthy diet. By developing new food products with bio-organic agriculture, we will benefit the life and happiness of people, planet and profit.



Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all

Quality education is practical education, experience is the key to education. Therefore we are investing in practical education programs, starting in Jawa Indonesia. Our cooperation with universities, start-ups, business, and bio-organic knowledge partners, will create knowledge sharing on all levels, our platform and social media activities as well as our presentations and lectures will create a fast distribution of knowledge and awareness.



Ensure availability and sustainable management of water and sanitation for all

Clean drinking water for all. Due to the use of chemical fertilizer and pesticide our drinking water is highly polluted. By creating awareness of the cause of pollution, and the solution of cleaning our drinking water by using Bio-Organic fertilizer and pesticide, we can restore the damage.



Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all

Sustainable economic growth will be the most efficient by creating start-ups, research and development. These ingredients are needed to secure economic grow, social stability and decent work for all.



Ensure sustainable consumption and production patterns

Restore nature, balance the earth, on land, water, sea and air. Planting, and agriculture management as well as sustainable production, within all our supply chain is of great important to tackle the problems. Our goal is to create a good environment for our future generations. Our projects are based on People, planet, profit.



Take urgent action to combat climate change and its impacts

Restore nature, balance the earth, on land, water, sea and air. Planting, and agriculture management as well as sustainable production, within all our supply chain is of great important to tackle the problems. Our goal is to create a good environment for our future. Our projects are based on People, planet, profit.



Conserve and sustainably use the oceans, seas and marine resources for sustainable development

The impact of agriculture on life below sea, is underestimated. A lot of research needs to be done! Our land is connected with our sea, due to rivers and canals. By using chemical fertilizer and pesticide our sea will encounter chemicals like, phosphate, phosphor what is the cause of blue-green algae. Blue-green algae is a huge danger for life below sea and humans. With the use of Bio-Organic fertilizer and pesticide, and ground soil, water analyse we like to proof our claims and push our policy makers, that bio-organic will become the new standard.



Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification and halt and reverse land degradation and halt biodiversity loss

Our ecosystem is interconnected above the ground as well as in the soil. The roots of a microorganism in the ground are a well-balanced natural wonder, and the cause of healthy flora and fauna. By using chemical fertilizer and pesticide close to our forest, the rain will move all these chemicals to our forest, this will destabilize our ecosystem. By using natural bio-organic fertilizer and pesticide we can clean our ground with natural bio-organisms to balance the underground and above ground ecosystem..



Strengthen the means of implementation and revitalize the global partnership for sustainable development

Our projects are a great example of partnerships for the goals, due to our interactive partnerships, with farmers, universities, start-ups, investors, bio-ecologic tourism, supply chain, and industry, we have proven the mutual benefits for all partners. By using the 10 principles of the United Nations as inspiration, and the sustainable development goals as building blocks, we can create an example of a sustainable future, for the next generations.

18 UNITY IN DIVERSITY



Unity in Diversity is our overall SDG. Implementing Unity in Diversity in our project and business creates a multicultural environment. This environment brings creativity mutual understanding respect loyalty and expanding opportunities. Understanding different cultures is essential to business in a country with more than 300 ethnic groups and cultures.

Sustainable Business for a Better World!



SUSTAINABLE MINING

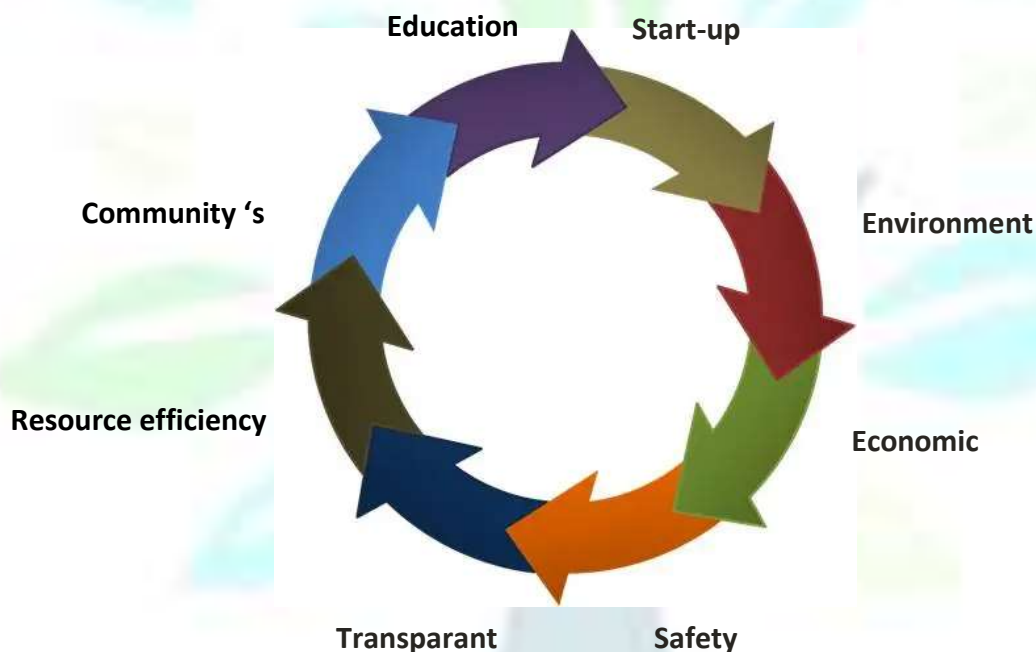


Expressions of mining and mineral processing are found in all civilizations throughout history and across the world. Mining provides essential commodities for human livelihood. The demand of earth's mineral resources has increased ever since industrialization. The accelerated depletion of the finite earth minerals has triggered the issues of sustainability in mining. Sustainable mining practices is a concept that embeds the principles of sustainable development into the whole mine life-cycle, from exploration, extraction and processing through to mine closure.

Sustainability in mining embraces following core concepts

- Environmental leading practices
- Community engagement and support
- Economic development
- Safety excellence
- Optimum resource utilization

SBDI Center Foundation is the advisor and supervisor for ESMI, Sustainable Mining Practices. SBDI Center Foundation is a specialist in implementing the Sustainable development goals, in management and operations of ESMI.



Sustainable development is a well-documented challenge for the planet in the years leading up to 2050, and beyond...

It is estimated that between now and 2050, the world's population will grow from just over 7 billion to 9.6 billion, along with further growth in consumption per capital. The bulk of that growth will take place in Africa and Asia, where the demand for an improved quality of life will drive the need to access goods and services. Africa, for example, now has the fastest-growing middle class in the world. Some 313 million people, 34% of Africa's population, spend \$2-20 a day, a 100% rise in less than 20 years, according to the African Development Bank.

“How we accommodate those demands and needs within planetary boundaries is one of the great challenges facing decision-makers in all regions and industrial sectors.

Success in sustainability means looking beyond the perspectives of material exhaustion, rising costs or social injustice. The integrated view also pays special attention to the role that strategy, technology, policies, preferences and various stakeholders will play in the future availability of primary and secondary resources.

ESMI is focusing on where and how the circular economy is forcing change in the metals and mining industry to prepare our self on the future.

Mining and metals are essential to global economic and social development, and are connected to almost all industry value chains.

A capitalistic business model, proven time over time the destructive impact on the world, therefor an Social Sustainable business model is needed to supply the growing demand of Sustainable products, and social involvement requested by the consumer, and stakeholders.

Climate trend

All over the world we see climate and social demonstrations.

This trend effect government policy's and social consumer, well as stakeholder loyalty.

By following this movement we like to be one step ahead, to guaranty our ESMI operations.

ESMI want to be the trendsetter in the mining industry, with a clear operational example as an visible statement.

Communication

We understand the big impact of communication, for this reason communication is of high value for ESMI. To spread our actions and philosophy. ESMI will have a professional communication team that controls all our internal and external communications.

Impact communication

Impact communication has a great value of ESMI.

To create impact communication, we developing impact monitoring tools to measure the following impacts.

1. Ecological impact
2. Social impact
3. Climate impact
4. Economical impact
5. Cultural impact
6. Educational impact

Our impact research, will be executed by university's and external organisations.

The research will be shared on our cooperate website, United Nations Global Compact communication on progress (COP) and shared with strategic news and media platforms and channels.

Communication tools

By using strategic communication tools, Facebook, Instagram LinkedIn, TickTok, Youtube, Website, UN Global compact platforms, as well as offline seminars lectures, interviews and strategic partnerships, we like to brand ESMI as the most Eco Sustainable Mining company.



Circular mining

TI



- The concept of the circular economy has been gaining traction both in Europe and Asia.
- The circular economy decouples growth from natural resource consumption.
- The circular economy (along with other related sustainability concepts) provides a system perspective of waste elimination through the rethinking and redesign of products and processes along the value chain and between supplier networks.
- Accenture research, culminating in a new book by Peter Lacy and Jakob Rutqvist (Waste to Wealth), demonstrates that a circular economy could deliver \$4.5 trillion in revenue to a range of companies by 2030.
- One approach to accelerate the uptake of the circular economy is by introducing new innovative business models that deeply embed its principles into the way that companies generate and capture economic value.
- Circular business models are disruptive, innovative business models aiming to drive the sustainability of the whole business network (system) through circularity.
- In the words of Unilever CEO Paul Polman, “[a circular] economy can deliver growth. Innovative product designers and business leaders are already venturing into this space.”
- With a potential \$1tn opportunity in transitioning to the circular economy, companies are recognizing that preservation makes as much economic sense as it does environmental.

Mining Industry: So Much Waste!

- Waste is a critical issue along the whole metals value chain, from mining waste to eventual end-of-life products such as scrap steel from construction and demolition waste or the growing problem of electronic waste.
- Being one of the world's largest waste generators, the mining sector can adopt similar logic to that of the circular economy to improve its sustainability performance.
- The baseline shows that mining and metals are among the world's great generators of waste, accounting for around 10 billion tonnes a year, around 40-55% of the global total.
- The waste from extractive processes excluding overburden, can hold large potential value: Current estimates suggest that with the right technology for treating bauxite waste, aluminium production, gold production and recycling could be increased by 20%, a potentially huge capture of value.
- The mining value chain is characterized as a linear process that generates large volumes of waste.
 - Each waste stream along the metal value chain has its own set of environmental issues.
 - In many cases, the most challenging (and massive) waste stream within the metals supply chain is upstream (ie mining waste).
 - Due to significantly lower grades for most extracted minerals and metals, tailings can account for up to 99% of crushed and ground ores.
 - In addition, there is also a 'hidden' unaccounted flow of waste rock and overburden.
- Different strategies for managing mining waste can be characterized in terms of their ability to decrease the risks and consequences of environmental legacy and in generating economic value out of waste.
- An integrated, multidisciplinary approach to mining and metal waste is needed: Without such an approach, it will not be possible to account for the different social, economic and environmental dimensions of sustainability, engage with the network of actors within the metal supply chain and look beyond short-term economic benefits and risk-averse behaviour to target the supply of restorative and regenerative resources in a circular economy model.



The Circular Economy Enters The Mining Industry

- Although it still seems the majority of global debate is fixated on energy, questions of resource sustainability are rapidly gaining rightful prominence.
- The pace of regulation is increasing, for example with the introduction of the Circular Economy Package in the EU, posing many threats and opportunities for miners.
- Circular economy is challenging the mining industry to improve sustainability by utilizing and generating value from mining waste, or making it available as a feedstock from which other industries can harness value.
- Mining faces adversity when it is examined under the lens of sustainability or sustainable development.
- The nature of mining is naturally connected with the destruction of mineral-rich areas, as huge amounts of rocks and dirt are processed to extract the metals and minerals that are demanded by the modern world.
- The true sustainability of mineral resources is a complex picture that involves exploration, technology, economics, social and environmental issues, and advancing scientific knowledge.
- Sustainability is a great challenge for mining to be guided in the extraction and processing of minerals, and in the management of its externalities, to protect people and the environment as key resources in sustainable development.
- Metals and mining companies need to adopt a fresh perspective on what it means to create value, or more precisely, shared value.
- “We are seeing material substitution, with companies using carbon fiber to replace steel or fiber optic in lieu of copper cables.”
- While the mining industry has only made a limited contribution to the circular economy so far, current market conditions, which are prompting calls for greater innovation, make the timing right for the industry to boost its contribution by utilizing and generating value from mining waste.
- The opportunity to create value and reduce environmental liability from waste streams along the value chain is potentially one way that the mining and metals industry could make substantial contributions to the circular economy and, in doing so, improve sustainable development.
- Five business models that companies should consider across their value chain: circular supply chain; recovery and recycling; product life extension; sharing platforms; and product as a service. These will influence how miners source materials and energy, optimize their operational footprint, and make them consider where to play in the value chain and how to partner with customers.
- For miners, circular economy winners will be equally focused on managing resources in the market and digging to extract additional resources where needed. The trick is to understand how the supply/demand trends play out for each commodity, to identify the relevant risks and opportunities, and to position for future growth before the circular economy becomes a reality.
- There are various opportunities to implement circular flows at the mine site level, which would result in enhancing mineral extraction, reducing mineral losses to mining waste and mitigating some of the environmental impacts related to mine waste disposal.

Mining and the 3R principle

- **Reduce:** During the process of exploitation, processing and utilization of the mineral resources, reduce mainly is shown as:
 - Realizing the efficient exploitation of resources by mechanization, automation and exploit optimization.
 - Reducing mining dilution ratio and ore loss ratio and enhancing the recovery rate of mineral-processing and smelting to improve the total recovery of resources by studying mining processing and melting technology of complex difficult mining and refractory ore.
 - Raising the comprehensive benefit of resource development by reducing emissions of various pollutants such as tailing, gangue and mine wastewater.
- **Reuse:**
 - A product's, or a component's, life cycle can be prolonged by reuse.
 - For this to be possible products need to be redesigned by manufacturers so that components can be extracted for reuse easily and at reasonable cost.
 - Modular construction is another possibility.
 - The prerequisites for this to work well are standardization of component design and specifications, close collaboration and cooperation along the value chain as well as commercial benefits for metals companies.
 - Reuse can also be ensured through re-manufacturing and refurbishing: the disassembly, cleaning, repair and reassembly of a product – restoring it to like-new condition.
- **Recycle:**
 - Recycle requires reducing garbage creation as much as possible by processing the mineral resources products that have completed its functions so that it becomes available resources again and can enter the market or productive process secondary.
 - Downstream recycling (old scrap) reclaims metal from products which have reached their end of life or end of use. There are four prerequisites for downstream recycling to be sustainable and efficient:
 - Adequate collection and pre-processing infrastructures.
 - Enough old scrap available for the process (volumes depend on the lifespan of metal currently in use).
 - Competitive production costs, since recycling competes with primary metal production.
 - Possibility of recycling (including upcycling) or reuse in different applications (recycled materials cannot always be reused in high quality applications due to alloying or impurities).
 - Recycling requires three types of infrastructure:
 - The collection and transportation of recyclable material.
 - Separating and sorting facilities to isolate components.
 - Reprocessing facilities, such as smelters and refining, to make new metals from scrap.
 - The geographic mismatch between places where recyclable material is available and those where it is most needed is a gap on the way to a 2050 sustainable world: Most of the recyclable metal waste is created in industrialized and high income countries, while the countries which will need sufficient scrap to make the transition from mining to a circular use of resources are mostly low-income and have immature recycling sectors.

The Mining Industry Needs To Address Five Key Areas

- The potential reduction in environmental liability and legacy issues from mining waste re-use.
- The resulting feasible community benefits due to lower environmental risks.
- The opportunity for local enterprise development from mining waste utilization.
- Smarter reverse logistics to provide cost-effective transportation of the higher economic value chain options.
- More innovative business models to help create value from mining waste coupled with updated regulation that promotes greater resource utilization.

To make a transformational change to managing mining waste, all of these factors need proper analysis to determine the most feasible pathways that both consider economic, technical, environmental and social factors, and contribute to the circular economy.

Conclusion

The drive towards more sustainable consumption will be a dominant theme in a more sustainable world. Resources will last longer while increased reuse and recycling drive a more circular economy. A strong move towards recycling and circularity is likely, but fundamental changes are required to support this transition, including appropriate infrastructure, regulation and legislation, and competitive cost economics.

“Irrespective of the range of possible scenarios, conclusions can be drawn for the industry: Mining will not disappear; primary extraction will continue but volumes are unlikely to grow in line with GDP growth. This means that pressure to realize scale effects and cost efficiency will remain in the foreseeable future. Demands for cost-effectiveness will exist in parallel with demand for environmentally and socially responsible actions, leading to new partnership and operating models.

The evolution of the circular economy will be governed by many external factors within and beyond the mining and metals industry. Nonetheless, the industry has a key role to play in shaping future circularity.



BUILD BACK BETTER

SUSTAINABLE BIO-ORGANIC AGRICULTURE

Sustainable bio-organic agriculture programs and projects, is one of the solutions to reach the poorest of the poor, and leave no one behind, it creates business opportunities, due to practical education programs. To establish sustainable social bio-organic agriculture projects, we aiming to the support of the United Nation Global Compact Network, as well as crowdfunding and micro-investment opportunities. Due to promoting bio-organic tourism in Malang Indonesia we like to create a new business model for local.

Bio-organic agriculture and bio-organic product development is a possible new eco-tourism attraction for Malang Indonesia. In France and other countries in Europe, this kind of tourism gained popularity, there are a huge variety of tours, to see the production of wine, workshops off making local bio-organic products. Indonesia counts a huge variety of bio-organic production, like Tempe, Tahu, jamu, Kayuputih, dry fruit, thee, coffee and so on. This will bring huge potential to the market for Malang and create the awareness that is needed to make a change!

BIO-ORGANIC FARMING VS CHEMICAL FARMING

Bio-organic farming, is back to basic.

Bio-organic farming is creating awareness of our surrounding, the bio-diversity on land, water, as well as under the ground, its using the gift of nature to create better crops.

By understanding the flora and fauna, the bio diversity and micro organism that is needed for the crops to grow, we learn to understand and respect nature.

Ecosystem management, is learning how to manage your bio-organic agriculture project to create better crops with more nutrition. With the knowledge and knowhow of flower and plants, that can be used as an natural pesticide to prevent insects and harmful weeds effecting the crops, we are able to create better crops, create healthy ground and keep the water clean. This will boost the bio-diversity of life, above the ground as well as the bio-diversity in the ground.

With this knowledge we understand that bio-organic farming is more than just growing crops, it's a way of life. It's up to us to share this knowledge with our stakeholders, supply chain, and consumers, to create awareness for mutuals benefits for, people, planet, and profit.

Due to a better understanding, the consumer will choose bio-organic products above chemical products, even when the price is higher, than chemical products. Ones the consumer demand of Bio-organic products is increasing, multinationals are forced to swift from chemical to bio-organic agriculture. This count for the total supply chain of the international food industry.

Investing in bio-organic agriculture is an investment in the future, multinationals are forced to find more bio-organic supply chain partners, to supply their demand of the consumers.

Therefore a bottom to top communication strategy is needed to make the change.

Chemical farming

Chemical farming is based on profit and profit only. Grow as much and fast crops on a square meter, against low budget. The multinationals controls there supply chain, there only goal is profit based business, therefore they developed chemical genetic modified seeds, and chemical fertilizer and pesticide to create cheaper and faster ways of Agriculture and create a fast sale for the supply change of this chemicals, the chemicals are tested as save, but safe don't means healthy! after every harvest your forced to use more and more chemical to get the same result as before. This way of agriculture has no positive effect on the profit of the farmer, it just affects the profit of the multinationals, the farmer is producing more, against a lower price, at the start, due to bottom exhaustion, the farmer must use more and more chemicals to get the same result. The production will be more and more expensive during the years. The next price factor is the nutrition of the product, low nutrition means a low sales price, its proven that chemical harm the natural nutrition of the crops.

Indonesia

Soil erosion /soil pollution

It's hard for the farmer to grow crops when the soil erosion and soil pollution accrue due to the overuse of chemicals. The farmer will use more chemicals to feed his crops, what result to more investment of chemical, until the farmer reaches a point that the soil is useless, and he is not able to grow crops on that ground. The farmer must invest in making the soil fertile, this will take some time, the farmer is forced to invest in other ground to keep on farming. The end result is that a huge agricultural area including the surroundings is contaminated with chemicals, this chemical will float due to rain in our ground water, rivers and end up in the sea.

Soil erosion



Harvest failure



Water pollution



Dead Fish



Bio-organic products

Bio-organic products are made from bio-organic herbs and crops without chemical additives.

To conserve the products they use conservation techniques that are thousands of years old.

Drying, salting, fermenting, smoking, cooking, frying, are some of the conservation techniques that are used. The production is mostly made local for local consumption, with the SDG partnership for the goals, and the world wide web we are able to promote local products, to bring this products across the borders. Local to Business (L to B) strategy will bring the local market direct to the international wholesale partner. Due to the investment in local organised production, warehouse, logistic and quality control, we are able to structure the transport and logistic of the local products. This way the local community will gain a fair price for their product, and will have the opportunity to develop their business.

Chemical products

Chemical products are made in huge multinational factories, the products are mixed with chemical for several reasons, E-numbers and products like aspartame, is used for conservation, taste and addictive effects. Its developed on consumption use to gain the highest profit. The products have less natural nutrition and is mostly unhealthy. A good example is soda, fast food, candy, cigarettes, chips etc. They test their products in their laboratories and stamp it as safe. Safe does not mean healthy!

Studies and scientific analysis, proven that chemical manipulated food products, is responsible for tons of diseases we are facing today. Cancer, diabetes, overweight, and cholesterol are the most common diseases caused by overconsumption of chemical manipulated food.



Research and ground analysis learning teaches us that we must take actions and transform our agriculture to a more sustainable bio-organic agriculture to balance and save our eco system.

FINANCIAL ANALYSE BIO-ORGANIC VS CHAMICAL PRODUCTION

Bio-organic production

bio-organic food production brings, great financial benefit., The market development is based on awareness!

The consequences of the financial benefits are.

- Food awareness
- Health awareness
- Climate actions
- Nature awareness
- Industry knowledge
- Carbon reduction
- Sustainable Development Goals
- Climate change
- Pollution awareness

Food awareness

People are more and more aware of their food consumption, healthy food becomes more a priority, we can see this due to the growing industry of life coaches, and diet advisers.

This triggers the bio-organic food industry, and the bio-organic food development.

Health awareness

People understand that good health starts with a good diet, due to the international communication campaigns against diabetes and obasitas and social media platforms, people want to look good and health. The awareness that good food is responsible for a good skin, boost the demand of bio-organic food.

Climate actions

Climate action, is a hot topic and is a day-to-day discussion, the awareness that the pollution come from huge industry's is well known. This boosts the demand of bio-organic local products, as a public answer to the big cooperate multinationals. This trend of boycott culture will force the multinationals to cooperate with the local bio-organic production industry.

Nature awareness

People are more and more aware of our eco-system, due to climate change they understand better how our eco system works, this result in behaviour change, change in food consumption as well in their daily life. We see a big demand in Eco-tourism in Indonesia that create awareness of our eco system, this awareness stimulates the bio-organic industry.

Industry knowledge

The internet and social media, supply's us with the information about the industry, particular the big multinational cooperation's. They have a bad reputation regarding, nature, human rights, land and water pollution. The consumer is pointing this industry for responsible. This result in a consumption boycott culture of their industrial products. The multinational industry needs to innovate to create consumer loyalty. Therefor they are highly depending on the cooperation with Bio-organic farms, local business and start-ups to boost their image.

Carbon reduction

Carbon reduction is a hot international topic, that is high on the world agenda.

This counts for the total food industry and its supply chain.

To reduce the carbon footprint of the food industry, the food industry must make a change. Bio-organic farming, local production, sustainable food development are some examples of reducing their carbon footprint, this innovation will change the total business model of the multinational corporations, with SDG 17 partnerships for the goals as a pillar in their supply change strategy.

The introduction of the carbon credits will force the multinationals towards this innovation within their supply chain and production.

Sustainable Development Goals benefits The 17 sustainable development goals of the United Nations Global Compact, and the worldwide activities of the United Nations Global Compact Network, creates awareness for the implementation of the sustainable development goals within their corporations, stakeholders, and supply chain. The global compact network, shares business experience of the implementation of the goals.

The outcome and effect are creating, huge positive benefits for the multinationals.

The benefits

Social respect = Consumer loyalty = Financial profit = Sustainable business.

To create social respect, they must innovate their supply chain, products and production as well as their social responsibility activities, just a donation to an NGO is not of this time! And will not give the public credibility and image of a social sustainable company. Investments in local sustainable production, based on SDG 17 partnerships for the goals, will be the new trend, in sustainable business development. This will create social and economic grow in all levels.

Climate change

The world agenda Climate Change effect all people, social, economic, and financial. All over the globe we see anti climate change demonstrations, due to the fast communication of internet, climate communities keep on growing. The awareness of climate change has a huge impact on our daily life, we start to understand that we as human's are responsible of the climate change, this results in climate actions. This trend is responsible for a huge change of behavior in our daily life. The awareness of our food and product consumption, waste management, creates a new lifestyle. This new sustainable lifestyle, demands new products, bio-organic food productions is one of their demands. This will create a variety of new bio-organic products, and market.

Pollution awareness

Due to the pollution awareness, the recycle industry is growing rapidly, recycle is the new standard in production. The development of new bio-degradable disposables from, sugarcane pulp, rice, paper, bamboo is gaining his popularity, circular economy is the pillar of a new economy. Indonesia is the country who can profit the most of this new trend. This due to huge amount of raw materials that are needed to produce these products.

SOCIAL DEMAND

By understanding the carbon footprint in every sector we can able to understand the need of reducing carbon pollution in each end every sector.

Next to reducing its important to compromise and compensate were possible.

The reduction of carbon is not anymore an climate change or natural restoring action, but it became a social demand.

The social awareness of the need of climate actions, is developing a new way of business in every sector, the effects of the awareness is social demands.

The consumer demands a change, a change in business, management and Social actions.

ESMI is aware of this global change and want to be a pioneer in Sustainable Business Development.

An good example is:

Chemical production is losing his public trust due to historical events and valuers. Chemical products are responsible for many diseases like diabetes and cancer. Cigarettes, alcohol, candy, chips and soda are some of the products that are the cos of this diseases.

This is scientific proven, therefore the public trust in chemicals is low.

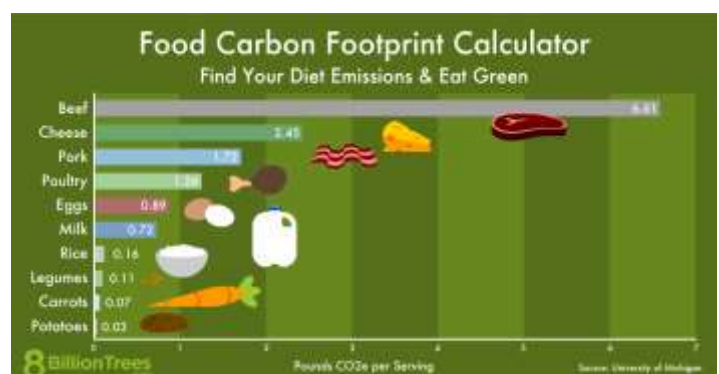
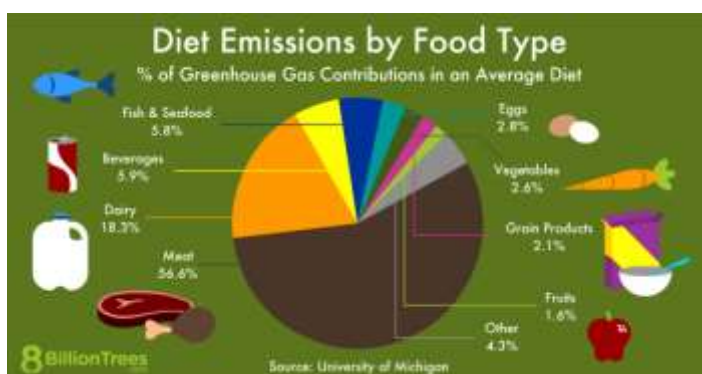
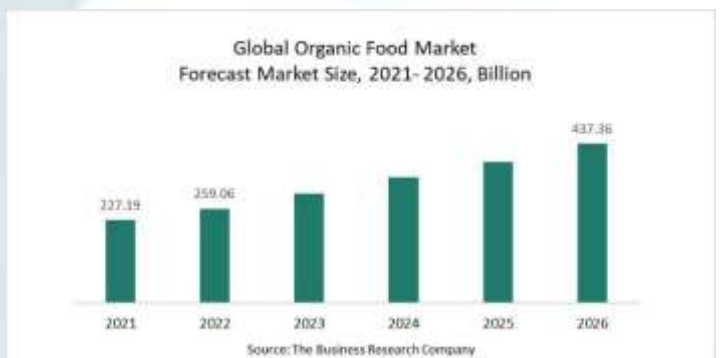
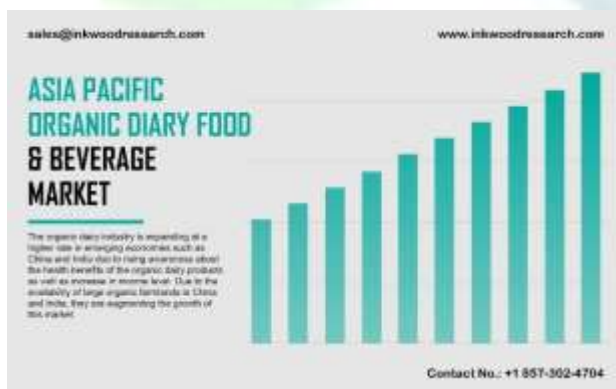
They claim is that there products are save for consumption, but over consumption and long-time consumption is harmful for our health. The awareness of the cause of consuming these chemical products is growing, the trust, client loyalty and demand is dropping, this result in profit lose.

Therefore we understand that chemical production have no future in our new world.

Investment opportunities

Investment is Sustainable, social and bio-organic production is a must, it becomes the demand of the consumer and a future new standard. Therefore, the chemical production needs to adapt and innovate to this new standard.

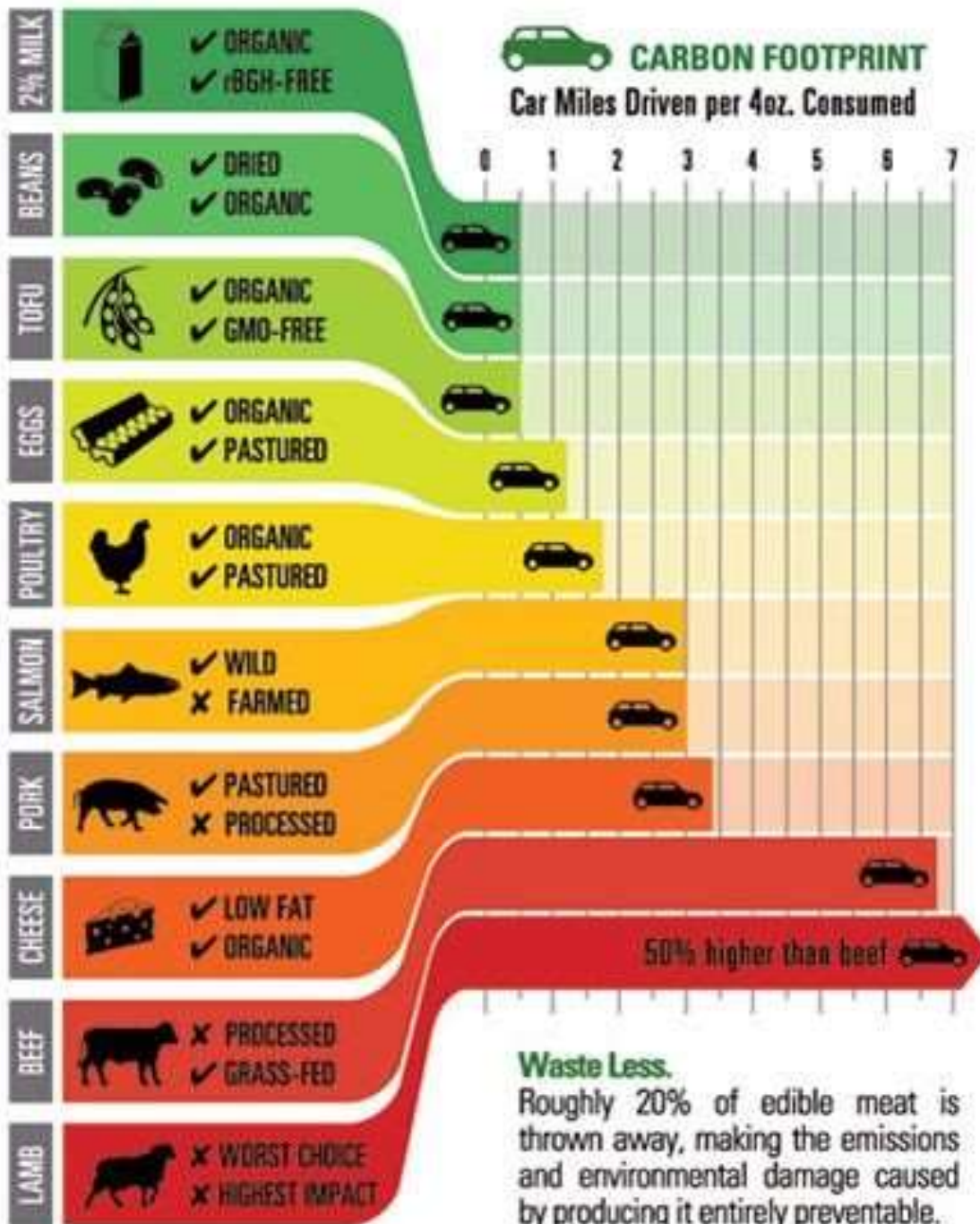
Investment in eco-tourism, bio-organic agriculture and community production based on SDG 17 partnerships for the goals, is the most sustainable solution, for this industry.





EAT SMART. YOUR FOOD CHOICES AFFECT THE CLIMATE.

Different foods have different impacts. Here's how the greenhouse gas emissions (GHGs) of ten common proteins compare:



Meat in moderation can be a good source of complete protein as well as iron, zinc, Vitamins B-12 and B-6, and niacin.

Follow these tips for healthy and environmentally friendly shopping: ✓ CHOOSE
✗ AVOID

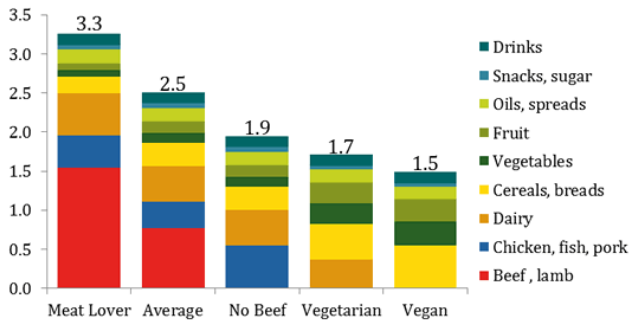
Learn more at ewg.org/meateatersguide

GHG data based on lifecycle assessment by CleanMetrics. www.cleanmetrics.com

Indonesia

Carbon footprint

Foodprints by Diet Type: t CO₂e/person



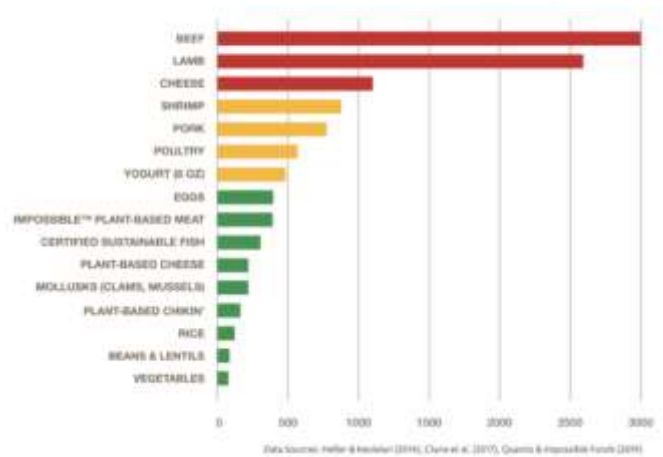
Note: All estimates based on average food production emissions for the US. Footprints include emissions from supply chain losses, consumer waste and consumption. Each of the four example diets is based on 2,600 kcal of food consumed per day, which in the US equates to around 3,900 kcal of supplied food.

Sources: ERS/USDA, various LCA and EIO-LCA data

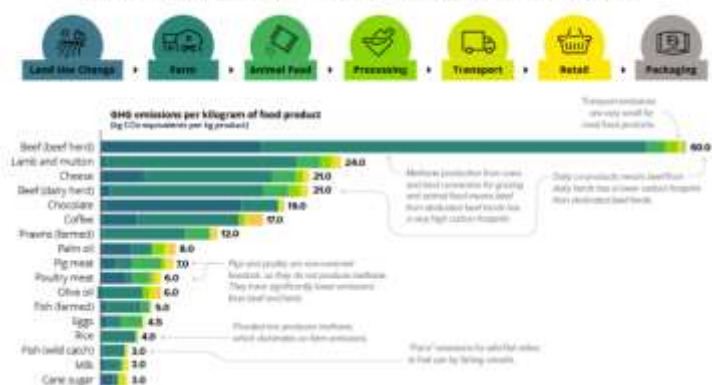
Shrink That Footprint

CARBON FOOTPRINT SCORECARD

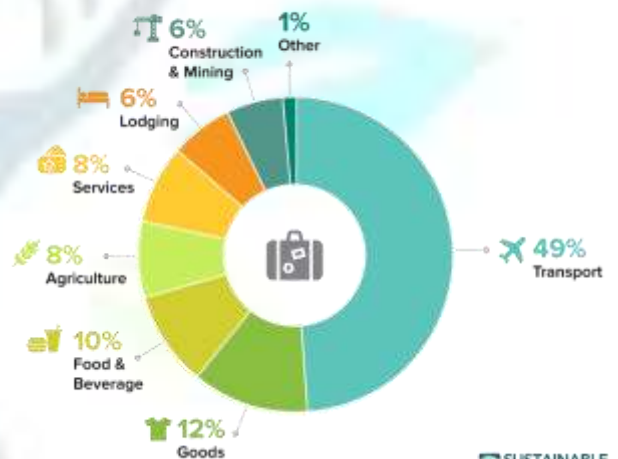
Greenhouse Gas Emissions per 4 oz. Serving



There is a vast difference in greenhouse gases (GHG) that are produced across various food types.



Carbon Footprint of Global Tourism



SUSTAINABLE TRAVEL INTERNATIONAL

ECONOMIC GROW

Economic grow will be established and ensured by ESMI, due to the following investments.

1. Sustainable Mineral Mining
2. Quality Education
3. Eco-tourism
4. Bio-organic agriculture
5. Bio-organic product development
6. Start-up stimulation
7. Eco resort investment
8. Cultural investment

With the focus on economic grow, ESMI want to create the awareness of social responsibility, loyalty and safety in the corporate business chain of , ESMI, from stakeholders till supply chain.

ESMI corporate sustainable business development is based on **People Planet Profit**.



People

Make sure the people are loyal to , Eco Sustainable Mining, loyalty is not for sale, loyalty must be earned due to actions and company social responsibility, there must be mutual benefits for all people. Our goal is to create an divers human capital, based on mutual respect. Unity in Diversity is one of our main pillars. Without respect for diversity there can be no respect for humanity.

Planet

Invest in the environment is investing in the future, invest in the future means a sustainable business.

ESMI, is investing in the following sectors to secure there sustainable business.

Sustainable mineral mining, Bio-Organic agriculture, Bio-organic product development, Home industry, Eco-Tourism, Education, Nature, and Culture.

Profit

Eco Sustainable Mining, will focus on reinvestment of the profit from there mining projects, profits must be used for development and economic grow to create mutual financial benefits, mutual financial benefits is needed to create human capital, loyalty and safety.

QUALITY EDUCATION

Quality education

Quality education is the foundation of sustainable development; without Quality education we are not able to invest in Sustainable Business Development.

With the support and partnerships of the Sustainable Business Development and Innovation Center (SBDI) Center Foundation, for ESMI created the opportunity in investing and developing the area for mutual benefits.

Way SBDI Center Foundation?

The global communication of the SDG's the international policies, introduction of carbon credits, and the promotion of the climate change, the G20, and COP 27, are all international actions to transform our world in a better world, called (Build Back Better).

The SBDI Center Foundation is specialized in Sustainable Business Development. The SBDI Center Foundation is a member of the United Nations Global Compact, and have the most expertise in developing Sustainable Business Development Education Programs.

The SBDI Center Foundation function as a Sustainable advice and supervise body for ESMI, based on SDG 17, partnership for the goals.

The education programs of for ESMI are based on the following sustainable business development chapters

1. Project/ Product Research
2. Conclusion
3. Solution
4. Action

This sustainable business development education program is developed to support start-ups, SME, and create economic grow.



LOCAL INVOLVEMENT

Local Involvement for social impact

Local involvement is for ESMI an important topic, the local community must benefit of ESMI.

We understand that the land, ground and culture is passed from generation to generation, and will be passed to the next generations. Therefore it's of utmost importance to invest in the local communities, create a good sustainable future for all generations to come.

Our local involvement will be done based on education and reinvestment's in the field of agriculture, local infrastructure, product development, start-ups (SME) and Eco Tourism to create a visible sustainable social impact.

Due to cooperation's with Universities, stakeholders, donors and the SBDI Center Foundation, we support the development of practical education programs and pilot projects, with as goal to create business for the local communities.

Give back better

after our mining operations we will cultivate the land for agriculture purpose, with the help of specialists in the field of ground cultivation, we will like to transform the mining ground to rich bio organic agriculture ground.

The agriculture ground will be given back to the Community Cooperation for agriculture purpose, we will support the community cooperation with education knowledge and know-how together with our knowledge partners existing of investors, donors, stakeholders, universities and the SBDI Center Foundation.

Sustainable Business Development Program

Sustainable Business Development Program is a practical business development program developed by the SBDI Center Foundation and inspired by the 17 Sustainable Development Goals of the United Nations Global Compact. This education program facilitates locals to create practical skills in business development. Our focus point is Agriculture, Product development, Eco Tourism, Business management, Communication, Marketing and Sales.

We believe that only with the development of start-ups and the investment of SME's we are able to create a visible social impact.

By local involvement and social impact, Eco Sustainable Mining addressed to its corporate social responsibility and answer to the 17 Sustainable Development Goals of the United Nations.

Impact of Local Involvement

With local involvement we like to create a positive social impact for the locals as well as for the environment. Our involvement will create also a huge positive impact for ESMI, that can result in operational and financial benefits.

Positive impact for Eco Sustainable Mining

- Local cooperation and loyalty
- Safety and protection
- Human capital creation
- Consumer loyalty
- Stakeholder loyalty
- Asset creation
- Knowledge creation
- Expertise
- Business opportunities



CULTURAL PRESERVATION

Culture preservation is an important topic for ESMI.

Culture is the foundation of the local economy; cultural involvement creates a brotherhood with the locals.

We as ESMI see culture as valuable assets.

Culture is a valuable asset, which should not be underestimated.

Culture is the magnet for Eco Tourism and has great business value. We can distinguish culture in the following subjects.

- Cultural culinary
- Architecture
- Attitude and behaviour
- Religion
- Rituals
- Events
- Nature

Eco Tourism

People all over the world are willing to visit other countries to experience their culture, to taste the food, to see the agriculture and art, experience the cultural attitude and behaviour, study their religions, join their rituals and events. Based on our involvement in cultural preservation, we like to educate the locals about the opportunities, benefits and value of their culture heritage and use it for commercial advantage.

Cultural culinary

Cultural food production and conservation techniques, are the basis for food home industry, and can function as an attractive tourist attraction. By investing in food home industry, educational as well as financial, we like to boost the economy grow with Eco tourism. Traditional product development workshops, local and international retail of exclusive home-made products, will result in the preservation of culture and economic grow.

Architecture

Architecture and art is a mirror of history and culture. Preservation of agriculture and art heritage, is of upmost important for the attraction of Eco tourists. Traditional architecture and art implementing in tourist locations like resorts, museum and cultural events, will represent and preserve the local culture.

Attitude and behaviour

Attitude and cultural behaviour to domestic and international visitor, will create cultural understandings and mutual respect. Due to interactive music and dance events, the locals are able to represent their culture to an international public. Sharing of culture, and ancient wisdom due to cultural hospitality is an important factor of attracting Eco tourism. By educational and financial investment in cultural preservation we like to stimulate local economic grow.

Religion/Rituals/Events

Cultural, Religions/Rituals/Events are mostly executed for local use, by promoting and sharing these events with others, we can create commercial benefits for the locals, to stimulate economic grow.

Education in the feed of tourist guides, event organisation, catering and hospitality is needed to create an commercial economic value of religion rituals and events.

Nature

Nature is one of the most valuable aspects for ESMI.

Nature give ESMI the opportunity to create his Sustainable mineral mining operation.

Give back to nature

To appreciate the nature is our primary philosophy.

Nature belongs to all the people, animals, and life, destruction of nature is destruction of life.

Nature is the asset of the world, it's the foundation of our existence and the engine of our economy.

Nature is one of the main reasons of Eco tourism, and will have a huge commercial value, nature is the assets of the locals and is interconnected with their culture.

Nature is most of the time under estimated and unappreciated, people don't see the value and commercial benefit nature can give to them.

Investment in nature, educational as well as financial, is our highest priority.

Create understanding for the possibilities of nature, the commercial and economic values that nature can give to create local economic growth.

Sustainable track mechanism

Our sustainable track mechanism is created to track and monitor the impact of our sustainable development goals.

For ESMI, it's important to understand the impact of its sustainable development goals.

What are the social impacts? What are the ecological impacts? What are the environmental impacts? are some of questions. To get a clear answer on these questions we developed our sustainable track mechanism.

We work with universities and external specialists to research and study on our sustainable development goals.

Our studies and reports will be shared with the public to be criticism by the public. Based on the research and public opinion, we are able to maximize the sustainable impact of our operations and actions.

Social impact

What are the Social impacts of our Sustainable actions? To understand this we will closely work with the local communities and cooperation's, they provide us the information that we need to understand the impact of our actions. Have our actions influence on culture, education, our economic growth, if yes how?

We like to address the wishes of the locals and respect their culture, for this reason it's highly important to understand the impact of sustainable development actions.

Natural impact

To understand the natural impact of our actions, we need to do research with universities and environmental organizations.

It's important that we not destroy the existing flora and fauna in the area, bring new flora and fauna in the area by cultivating ground for agriculture might have some effect on the existing flora and fauna, what are these effects and are they positive or negative.

Communication impact

What is the impact of our sustainable communications.

We like to monitor and measure the communication impact of our Sustainable Development Goals, local, national and international. What are the external effects, what are the internal effects and how it affects our company identity and reputation?

Identity and Reputation impact

Identity and reputation is the soul of your brand, identity and reputation is responsible for consumer loyalty that result in brand equity. With our sustainable track mechanism, we monitor and adjust where needed, to create the maximum amount of consumer loyalty and upscale our brand equity.

Our brand equity is part of our financial asset, our sustainable track mechanism is part of our strategy to upscale ESMI assets.

EMPLOYMENT

Employers are part of the human capital of ESMI, human capital is an operational and financial asset value of ESMI. Investment in employment due to investment in, accommodations such as: education, insurance, and living facilities as well as an cooperation of employers (COE) will upgrade the life standard of our employers and their families.

Investment in employment is an investment in ESMI assets value.

Investment in employment will create employment loyalty.
Investment in employment will create employment productivity.
Investment in employment will result in employment expertise.

The cooperation Of Employers (COE)

The cooperation of employers is an internal organisation that function as an operational feedback mechanism to innovate the operational strategy to a more effective management strategy.

We like to hear the voice of our employers, their wishes, their innovations and their ideas.

- The cooperation of Employers can create the following benefits.
- Our ears in the field
- Innovations and ideas
- Brotherhood
- Employment loyalty
- Productivity
- Safety
- Respect
- Company culture

Due to the facilitations of the cooperation of employers (COE) we believe that we are able to bring our company and its Sustainable Development to an higher standard.

The Cooperation Of Employers is an mechanism that can be seen as an upgrade of the assets of human capital, what can result in an positive operational, management and financial asset value.

RULES AND REGULATIONS

A set of rules and regulations are needed to create a clear and efficient workflow, the rules and regulation will also determinate the company's identity.

For this purpose ESMI setup the rules and regulations for each department.

The rules and regulations are implemented in our trainings program, and employment guide book, as well as in the employment contracts.

Policies

International and national policies that affects rules and regulation is an unstable factor in every industry, it creates restrictions and opportunities and can be effected by global events like an pandemic, war, sanction, inflations, natural disasters and financial crisis.

ESMI understand the risk of policy changing that can effect the rules and regulations.

For this reason ESMI works closely with the local and national authorities to be updated of the rules and regulations.

To protect our interest and minimize the impact of changing rules and regulations, we like to gain the support of human capital, local national and international. This support is granted due to our sustainable impact and investments in the local community for economic grow. By investing in the local communities and economic grow, we are able to grand negotiation positions, for if a change in rules and regulations occurs.

It's important for ESMI to create negotiation positions to minimize the negative impact of a change of rules and regulations. Wen a change of rules and regulations will affect the economic grow, it will affect the human capital depended of this economic grow, this will give us a strong negotiation position in the area of rules regulations and policies.

We understand that investment in economic grow is from great importance to protect the interest and investments of ESMI.

ANTI CORRUPTION

Corruption occurs in every country and society; corruption is made possible due to a lack of transparency. ESMI anti-corruption strategy is based on a combination of strategies.

1. Monitoring strategy
2. Transparency policy
3. Communication strategy
4. Human capital
5. Culture

Monitoring strategy

Every operation and department will have our tailor-made monitoring system, this system is developed to give an clear overview of every operation of Eco Sustainable Mining.

Transparency

Eco Sustainable Mining have a strong transparency policy; our operations and progress will be public shared. Public shaming is a big motivation to NOT execute corruption in any form or way.

Communication strategy

By communication about our anti corruption policy, we alert our partners, stakeholder, employer and audience that we not tolerate any form of corruption. Membership of the United Nations Global Compact, and communication at the united nation corporate website can function as a barrier for corruption.

Human capital

A huge amount of human capital, can function as a guard for corruption. Human capital can function as the voice for our policies, by involving our human capital offline as well as online, we can give our policies a voice, and create the company image that we need.

Culture

A company image and culture of anti corruption, social and sustainable can function as a barrier to execute corruption.

ESMI will not tolerate any form of corruption.

Wen corruption occurs, or any criminal act, within the organization, partners, shareholders. ESMI will directly stop any involvement or partnership with the corruptor, and will report the act of corruption to the authorities.

Risk management

Rick management is a high focus point for ESMI.

Every project, stakeholder, supply chain, investment may have an potential of risk, for this reason we executed our risk analyses existing of the following research.

- Stakeholder due diligence
- Project analyses
- Investment analyses
- Supply chain due diligence
- Market analyses
- Operation monitoring

Stakeholder due diligence

A stakeholder due diligence, existing of a personal interview and background investigation of the stakeholder. A clear match between the personal interview and the background investigation is needed to be accepted as a ESMI stakeholder. With executing a due diligence strategy we like to reduce the rick of, financial and reputation damage.

Project analyses

A proposed project is analysed by ESMI and external professionals.
A proposed project consisting of a full and complete project plan/business plan consisting of: (project description) (sustainable plan) (product/production description) (market research) (management plan) (communication plan) (sales plan) (financial plan) (Impact plan, economic and social). Based on a deep project analyses we like to minimise the risk of project failure, financial damage and reputation damage.

Investment analyses

A proposed investment is analysed by ESMI and external professionals.
A proposed investment consisting of a full and complete investment plan/business plan consisting of: (investment description) (sustainable plan) (product/production description) (market research) (management plan) (communication plan) (sales plan) (financial plan) (Impact plan, economic and social). Based on a deep understanding of possible future investment we like to minimize financial damage and reputation damage.

Supply chain due diligence

A supply chain due diligence, existing of a personal visit and background investigation of the supplier. A clear track record is needed to understand the performance of the supplier. The supplier must have a clear Sustainable Development Goals (SDGs) strategy in its company.

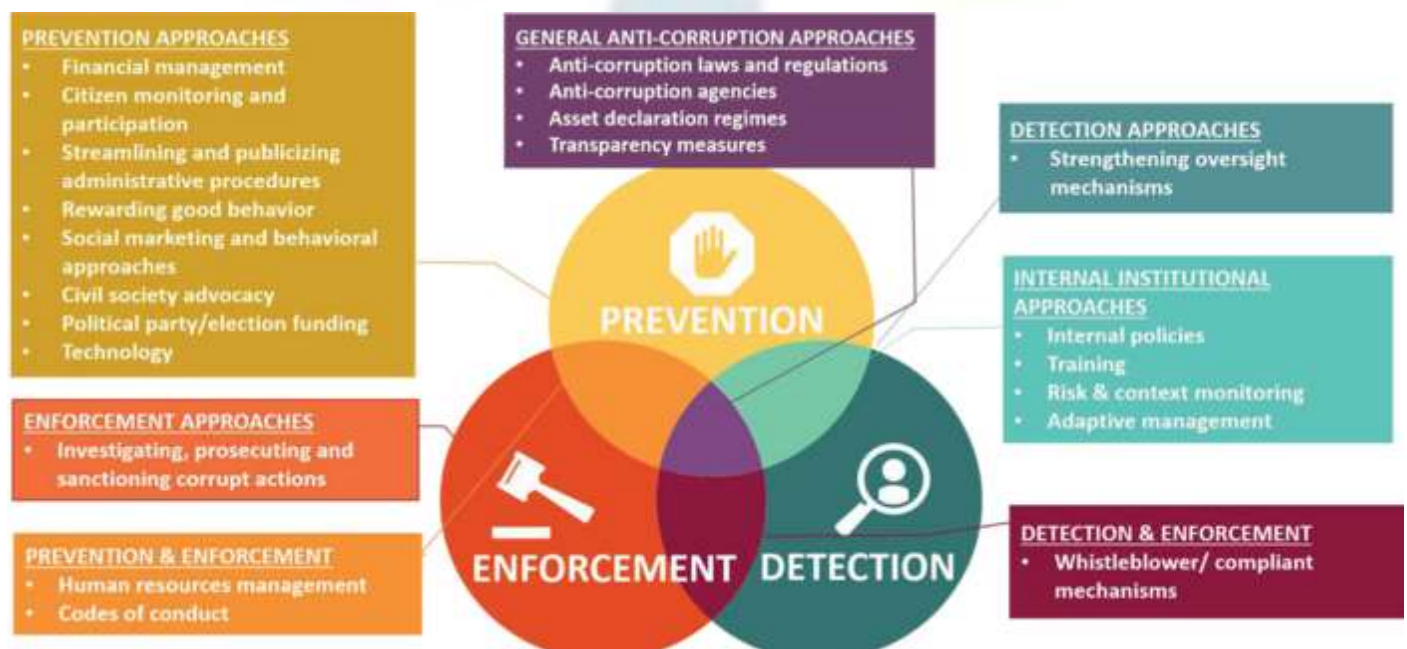
By understanding our supplier, we like to minimize the risk of product failures, financial damage, reputation damage, and supply failure.

Market analyses

keep track and be updated on the market.
The gold market is an active market that is influenced by different factors, the market, stock exchange, politics, war, sanctions, natural disasters, fashion, influences, trends, and deflation.
To predict the gold market we analyse all the data that have the potential to influence the gold market. Our market analysis mechanism is needed to minimize the risk of financial damage.

Operation monitoring

Eco Sustainable Mining is using its tailor-made operational monitoring system, to monitor our operations on a daily basis, our system gives us clear and accurate information of our operations, this information is needed to maximize our operations and adjust were needed to minimize financial and reputation damage.



PARTNERS

All partners need to know the mission and vision of ESMI, therefore it's of utmost importance that ESMI communicate its mission vision, projects, philosophy, and characteristic properties to all its partners, potential partners, and stakeholders. The goals of ESMI, need to be communicated to its potential consumers to create the maximum amount of consumer loyalty. A good partnership due diligence is needed to determine whether the partner fits the character of ESMI.

The following legal documents are required to establish a partnership with ES Mining.

1. Non-disclosure agreement
2. Partnership Agreement

Partnership benefits

ES Mining, offers the following benefits to all its partners.

1. Project participation
2. Human capital sharing
3. Social capital sharing
4. Financial capital sharing
5. Multi branding
6. Network sharing
7. Knowledge sharing

Inform decision-making, and adjust policies in light of potential negative effects

Systematically **consider the effects of policies** on people's well-being "here and now", "elsewhere" and "later"

Engage all relevant actors to identify challenges, set priorities, align actions and mobilise resources

Align priorities and **promote coordinated action** at different levels of government



Mobilise whole-of-government action and orient policy development towards sustainable development

Support present needs and those of future generations in a balanced manner

Capitalise on synergies and address trade-offs between economic, social and environmental policy areas

Resolve divergences between policies, including between domestic and external policies

COMMUNICATION STRATEGY

COMMUNICATION STRATEGY

Our communication strategy is can be divided in 2 groups.

1. Internal communication
2. External communication

INTERNAL COMMUNICATION

Internal communication has as goal to structure our internal operations and set our identity.

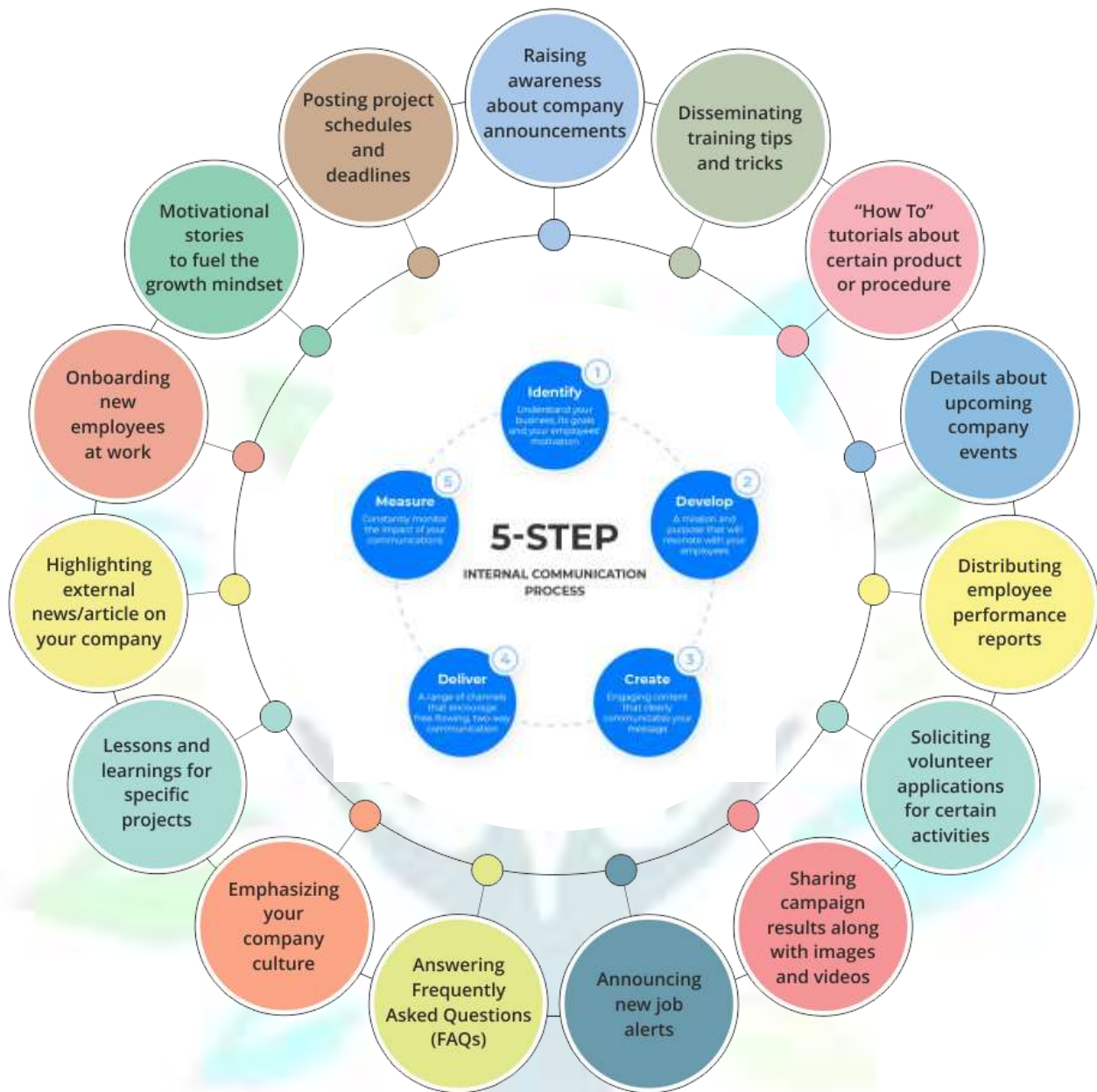
Internal communication is divided is several area's

1. Management communication
2. Process communication
3. Production communication
4. Logistic communication
5. Operational communication
6. P&O communication
7. Rules and regulations
8. Safety communication
9. Sustainable communication
10. Meetings and Education

The following tools are used for our internal communications.

1. Hard copy files
2. Intranet
3. Billboards
4. Logistic Signboards
5. Newspaper
6. Meetings
7. Education
8. App's





COMMUNICATIONS PLAN

Stakeholders	Frequency of Meetings				Types of Communication				Status Update
	Weekly	Monthly	Quarterly	Yearly	Meeting	Emails	Calls	Website	
Board of Directors	✓		✓		✓	✓	✓	✓	✓
Shareholders	✓		✓	✓	✓	✓			✓
Executive Team	✓				✓	✓	✓		✓
Project Managers		✓		✓	✓			✓	✓
External Stakeholders		✓		✓	✓		✓	✓	✓
Employees		✓				✓	✓	✓	✓

EXTERNAL COMMUNICATION

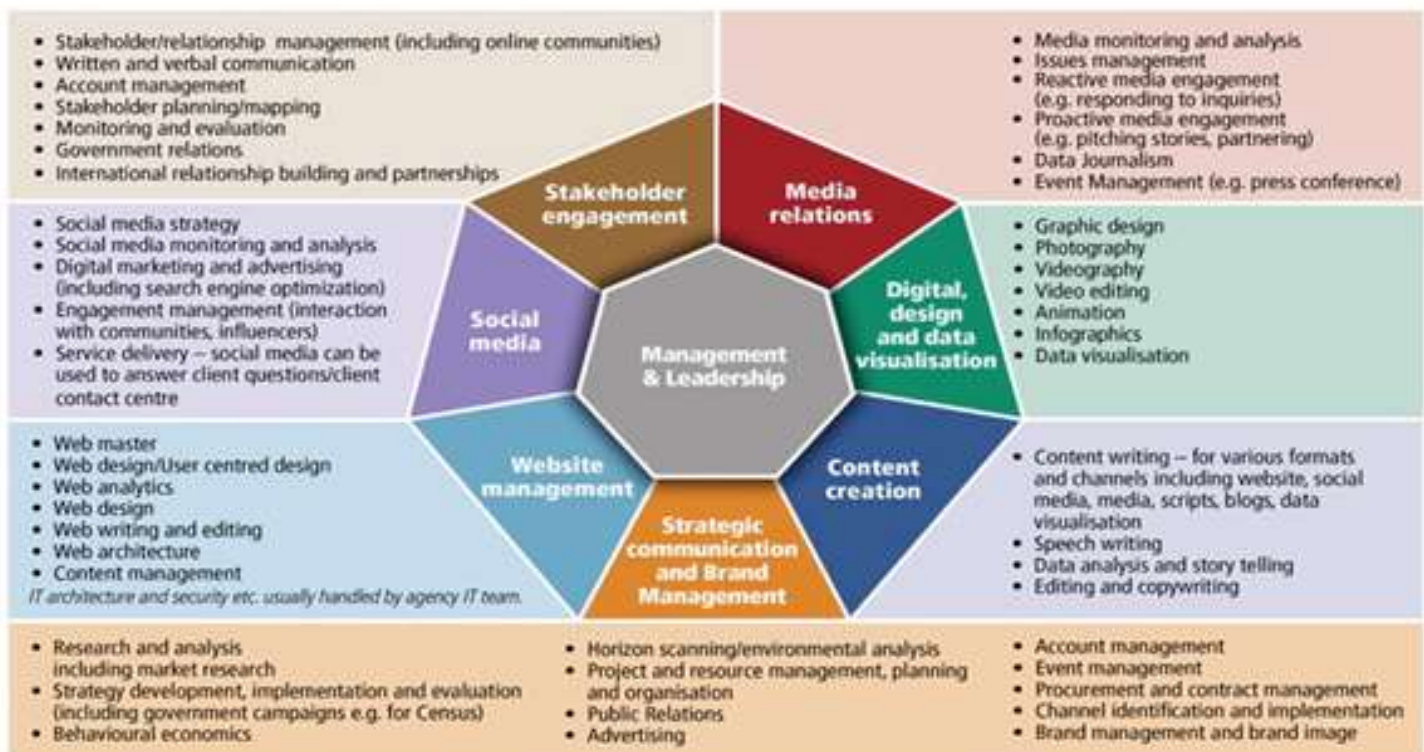
1. Sustainable communication
2. Progress communication
3. Sales communication
4. News communication
6. Lectures and presentations

The following tools are used for our external communication.

1. Social media
2. UNGC Network
4. Lectures and presentations
5. University's
6. Network meetings
7. Video content
8. News letters
9. Year book
10. Communication on progress (COP)
11. Interviews



Communication skill sets

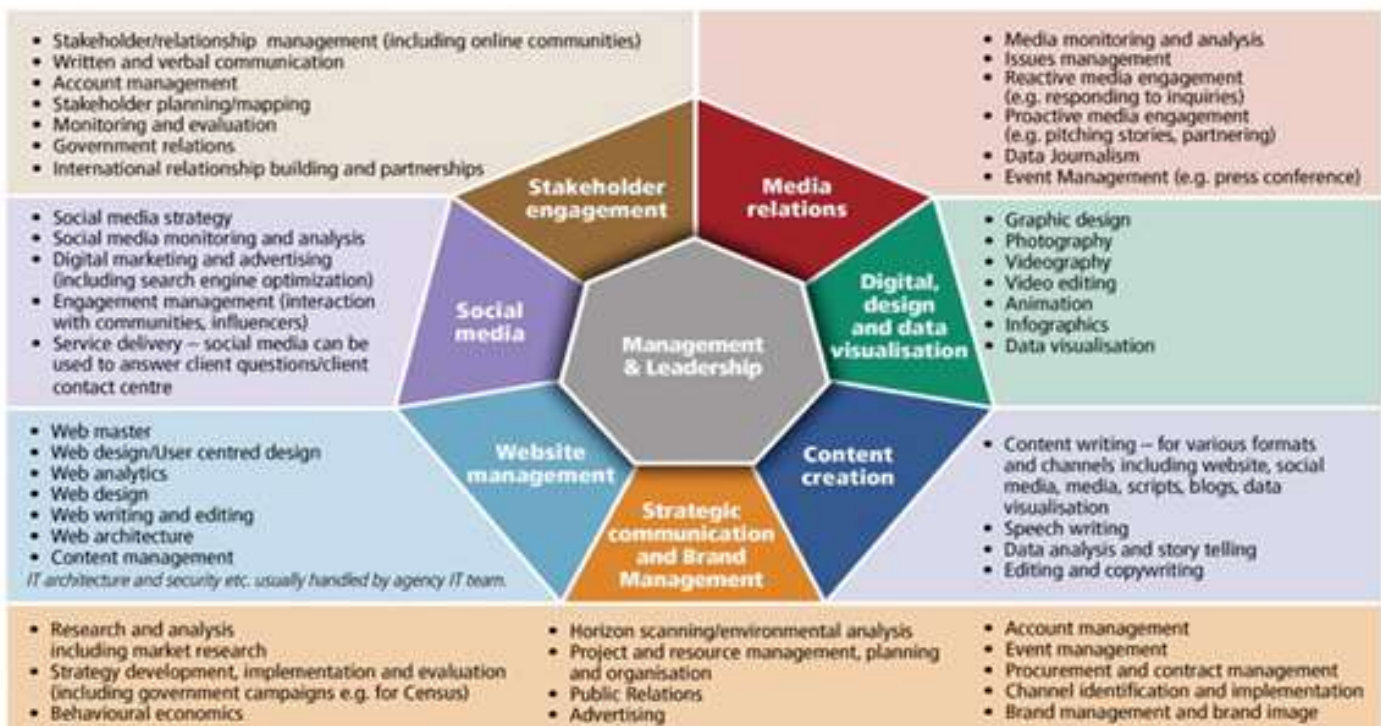


AIDA MODEL

AIDA for Advertising



Communication skill sets



INVESTMENT STRATEGY



Investment strategy

ESMI has developed an attractive investment strategy based on a gold-backed redeemable certificate.

By developing gold-backed-up block certificates, redeemable, tradable, and free on name, we offer a multifunctional business model. This investment opportunity is developed to create mutual benefits.

By blocking

1. To create the funding needed for projects and operations.
2. Social involvement.
3. Investment opportunities.
4. Risk spreading.
5. Sustainable awareness.
6. Flexible investment source.
7. Multidimensional investment opportunities.

INVESTMENT PLAN

INVESTMENT PLAN

Terms and conditions

Investments in premium gold value certificates, Eco Sustainable Mining Indonesia.

General

Individuals or companies who invest in gold Certificates will have to determine for themselves whether this investment is appropriate for them in view of their investment objective, risk perception, knowledge and experience, financial capacity, and investment horizon. This prospectus "Gold is a Golden Future" has been made generally available for the purpose of providing all information that is of importance in assessing an investment in Eco Sustainable Mining Indonesia. Investors are considered throughout this, important to read the prospectus. In particular "Risk Factors" chapter in which the elements of the offering and associated risk factors are carefully described before deciding to invest in the Premium Green Gold Certificates of Value.

Article I: Definition

1. **Eco Sustainable Mining Indonesia**
Eco Sustainable Mining Indonesia brings investments in Premium Gold Value Certificates together to reach an investment agreement and undertakes to conduct all the resulting administrative and financial obligations.
2. **The investment recipient**
Is the (legal) person or persons, or the partnership(s) of the (legal) persons, both jointly and individually, to whom the investment facility has been or will be made available according to the investment premium green gold value certificate agreement.
3. **investor**
Is the natural person who makes his private resources available for the purpose of concluding the investment agreement, or the legal person who makes business assets available for investments from his company.
4. **Creditor**
These are the joint investors, who (as an informal association) act as contracting parties of the recipient donation under the premium green gold value certificate agreement.
5. **Investment agreement**
Investment agreement or offer that confirms the investment and describes the payment terms, interest and further obligations arising from the agreement; in these general terms and conditions hereinafter referred to as: investor agreement premium green gold value certificate.
6. **Logo**
All logos, artist impressions, and expressions are the property of Eco Sustainable Mining Indonesia and may not be used by third parties for other expressions.
7. **Advisory**
Eco Sustainable Mining Indonesia is the organizer and facilitator with the aim of establishing a investment agreement premium green gold value certificate between parties and will thereby take an advisory role to optimize the desired certificate result.
8. **Disclaimer**
Eco Sustainable Mining Indonesia does not accept any form of liability for the realization of the desired investment. Eco Sustainable Mining Indonesia also reserves the right to reject a investment request for any reason. Eco Sustainable Mining Indonesia, reserves the right to adjust the specified profiles and to refuse the placement of a profile specified by a investor.

Article II: Availability of the donations

1. The investor will be made available to Eco Sustainable Mining Indonesia, once the certificate agreement has been confirmed by all parties and the funds have been made available by the investor to Eco Sustainable Mining Indonesia account. The payments that come in from the investment will be temporarily placed on a separate account of Eco Sustainable Mining Indonesia. Booking of the Investment takes place after receipt of all investment amounts paid by investor. No interest is paid to investor or to Eco Sustainable Mining Indonesia over the period that the payments are on the suspense account. Eco Sustainable Mining undertakes to transfer booked payments to the company running account as soon as possible but cannot be held responsible for possible delays in the payment of the investor amount caused by non-committed investments amounts.
2. Eco Sustainable Mining Indonesia reserves the right, even in the case of the above settlement, not to transfer the received investment to the running account if Eco Sustainable Mining Indonesia has compelling reasons. Executed investment amounts will in such cases be refunded to the investor. The agreement and all ensuing rights and obligations hereby expire. In such cases, no costs will be charged other than the previously charged bank transaction costs.

Article III: Liability

1. Eco Sustainable Mining Indonesia can be held jointly liable for non-compliance with obligations as laid down in these General Terms and Conditions. As a investor recipient, Eco Sustainable Mining Indonesia is jointly and severally liable to the investor for the fulfillment of all obligations arising from the certificate agreement. If one of the parties involved, be it a investment recipient or a investor, does not fulfil the obligations promised, an independent party will initially mediate in the fulfilment of the obligation. If the obligation is still not fulfilled, the creditor reserves the right to hand over the claims to a collection agency or bailiff, with the associated costs being borne by the negligent.

Article IV: Certainty statement

1. All agreements concluded through Eco Sustainable Mining Indonesia will be provided without further security. Neither Eco Sustainable Mining Indonesia nor the donors can claim anything other than the monetary principal sum, plus the interest components as agreed during the term of the certificate period, unless agreed otherwise between the parties, except for the costs or amounts that are specifically mentioned and described below in these general terms and conditions.

Article V: Information to and from third parties

Assessment

1. Eco Sustainable Mining Indonesia is authorized to obtain information from third parties to assess the financial position of the investor, including agencies that assess the creditworthiness.

Privacy

2. All mentions, profiles, and other expressions on the website of Eco Sustainable Mining Indonesia are anonymous as strictly stipulated by law. No publications of commitments no mention of private reference or reference to the Investor.

Anonymity

3. Certificate agreement, investor will remain anonymous. Fore finalizing the Certificate agreement, the personal details of the Eco Sustainable Mining Indonesia will be made visible in this agreement, but only for the investor.

Article VI: Interest

1. Determining interest
2. Eco Sustainable Mining Indonesia has determined via the website and prospectus what profits they are willing to pay for the desired investment. Eco Sustainable Mining Indonesia has the freedom to adjust this profit once without further additional costs within the profile after the period of 2 years if it appears that the desired investment is not filled up against the previous conditions. The investor cannot influence the amount of the profit. Eco Sustainable Mining Indonesia will not advise on profit rates. Once the profit has been determined and the desired investment has been paid in full, the profit will not change during the term of the premium green gold value certificate, unless other conditions have been agreed in consultation with those involved in the event of negligence.
3. Profit calculation
The profit will be calculated on the number of certificate days elapsed, with due observance of the provisions of Article 2. Profits can be made due to market valuation and redeeming time of the certificate.

Article VII: Payments

1. Investment
After personal full registration of the investment certificate agreement and signing of the certificate agreement, the investor will be asked to transfer his pledged investment to the designated account of Eco Sustainable Mining Indonesia. After receiving the fully committed investment sum, Eco Sustainable Mining Indonesia is obliged to confirm receipt within two working days by e-mailing a digital premium green gold value certificate, which is provided with a unique QR code that is only linked to the investor. This also confirms that the investor is immediately the rightful owner of the premium green gold value certificate from that moment on.
- 2.
3. Payments
After receiving investment payment via credit cards or bank transfer, the profit payment and payment obligations in physical gold will be recorded in a payment schedule by Eco Sustainable Mining Indonesia (art. 7.1). Within a period of 5 working days after receipt of Investment, Eco Sustainable Mining Indonesia will transfer the received investment to the operational bank account Eco Sustainable Mining Indonesia.

Article VIII: Rates

1. Recipient investment and publication.
Before proceeding to publication of investments on various websites, Eco Sustainable Mining Indonesia owes a promotion fee, which will be negotiated and determined by Eco Sustainable Mining Indonesia. These promotions are paid for from Eco Sustainable Mining's own resources and are not charged to Investor.
2. Recipient investment and administration fee.
Eco Sustainable Mining Indonesia will be invoiced an amount annually for the administration costs incurred for the registration of value certificates and investment administration. These costs consist of a starting rate of 0,2% of the total donation amount, plus 0.1% per year. The starting rate will be settled immediately with the booking after the release of the investment from the 5 trace the remaining 0,1% per year over the term of the certificate until convert to physical gold.
3. Investor and success fee
The investor will not be charged for creating or maintaining a profile. The success fee for the certificate holders depends on the commodity price LBMA at the time of converting the premium Green gold value certificate to physical gold, and sale.
Profit sharing will be based on profits coming from save leasing SBLC gold backed up commodity trading.
4. Other expenses
Costs related to deviant or negligent behaviour can be recovered from Eco Sustainable Mining Indonesia insofar as these can be attributed to him or her. In this context, the additional costs for collection agencies will also be borne by Eco Sustainable Mining Indonesia.

Article IX: Early redemption/claim ability/ transmission

1. During the term of the certificate agreement, Eco Sustainable Mining Indonesia is not permitted to pay out to the certificate holder in full or in part. The certificate holder is also not allowed to convert the current period certificate into physical gold and claim it early. Provided there is a possible non-compliance with obligations arising from the General Terms and Conditions. If the claim on the distribution certificate has been handed over to a bailiff, the certificate can only be claimed on the agreed end date. A physical transfer of the certificate will also have to take place between the bailiff and the donor, which can only be carried out with the clear permission of Eco Sustainable Mining Indonesia. After that, new agreements may possibly be made with all parties involved, which will replace the conditions previously set out in the Certificate Agreement.
2. **Transmission to third parties**
The certificate is expressly made freely named of the investor, secured with a QR code. The certificate holder has the right to sell or transfer the certificate to third parties. The relevant selling certificate holder must report all personal data with a valid passport of the future new certificate holder to Eco Sustainable Mining Indonesia. After receiving all new data, Eco Sustainable Mining Indonesia will create a new QR code for the existing certificate, with final name of the new certificate holder. To protect the selling certificate holders, the replacement QR
 3. code will only be created by Eco Sustainable Mining Indonesia after the approval of the selling party has been received. Note: Certificate transfer costs, administration costs, and release a new QR code are for the account of the selling party.
4. **Prejudgment or executory seizure**
5. In the event of prejudgment or foreclosure of all or a substantial part of Eco Sustainable Mining Indonesia assets, or of all or a substantial portion of its assets being alienated, encumbered, expropriated, or destroyed, the Investor reserves the right to request early payment of claim the entire claim, including profit, from Eco Sustainable Mining Indonesia.
6. **Passing away Investor**
In the event of the death of the owner certificate holder, it is not possible for the heirs to convert the outstanding profit and certificate into physical gold and then proceed to full early payment. Partial payment is also not allowed in this case, it is only allowed minimal 1 years after investment, date of issue of certificate. Subsequently, the direct heirs must provide a death certificate issued by a sworn notary public or designated executor of the estate certificate holder.
 Note: the distribution for the deceased certificate holder will always be transferred directly to the notary or executor of the estate, and not to the heirs.

Article X: Participation Exclusions

1. To be eligible as an investor, you must meet the following conditions.
2. Investor must have valid nationality, in principle, there are no limits to domicile, except investors living in countries which are on the blacklist of the United Nations, AMNESTY-International, and countries where Indonesia is prohibited from maintaining trade relations.
3. The investor must be at least 18 years old.
4. The investors can be natural persons or legal entities.
5. The investor must be legally competent and may not be under guardianship.

Article XI: Determination profile

1. Anonymity
The investor profiles will be stored confidentially after screening in a database that is only accessible to authorized persons within the organization of Eco Sustainable Mining Indonesia. Specific references are included in the substantiation of the application with approval.
2. Principal amount, interest, term, and explanation.
After acceptance of the investor, is it up to Eco Sustainable Mining Indonesia to determine the principal amount, profit, and lead time of the premium green gold certificate of value and to provide an explanation of the total liquidity requirement. The principal amount has a minimum of 10-gram certificate. The profit can be determined completely freely by Eco Sustainable Mining Indonesia and the term of the certificate must always be rounded off in months to a minimum of 24 months and a maximum of 120 months.
3. Disclosures of liquidity needs, and all other publications will be editorially screened. It should be noted, however, that pornographic, discriminatory, and decency-exceeding explanations always be removed by Eco Sustainable Mining Indonesia. Liquidity that is used to provide for the creation of illegal practices will not be tolerated.

Article XII: Law and forum choice

1. Only Indonesian law applies to the legal relationships between the parties (donor, certificate holder, and Eco Sustainable Mining Indonesia).
2. Disputes will be settled exclusively by the competent Indonesian court.
3. Eco Sustainable Mining Indonesia assumes the correct delivery of personal data and cannot be held responsible for possible incorrect information. Investor, Certificate Holder is always personally responsible for the correctness of the supplied documents. Eco Sustainable Mining Indonesia reserves the right to report possible misappropriation or fraud to the judiciary and Interpol.

Conclusion

We are confident of 100% Sustainable success! due to our Unique investment strategy, that will benefit the investor, Eco Sustainable Mining Indonesia as well as the local community and the environment.

SUSTAINABLE SUCCESS

