



2023 SOLUTIONS REPORT

SDG INNOVATION ACCELERATOR
FOR YOUNG PROFESSIONALS

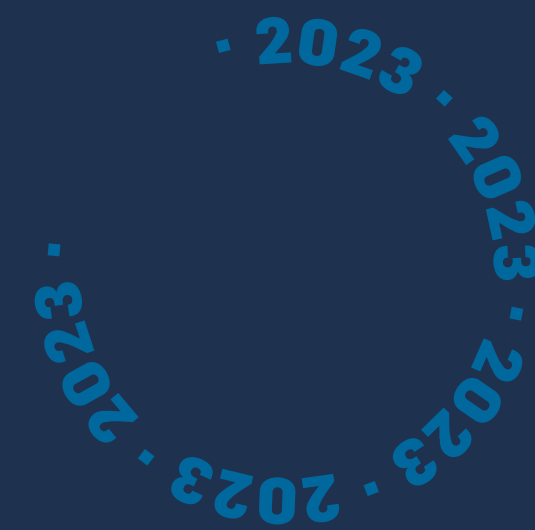


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2023

SOLUTIONS REPORT

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2023 was a year marked by resilience, innovation, and a collective commitment to the

Sustainable Development Goals.

THIS YEARBOOK SHOWCASES THE REMARKABLE SOLUTIONS THAT EMERGED FROM THE SDG INNOVATION ACCELERATOR FOR YOUNG PROFESSIONALS, AN ACCELERATOR PROGRAM FUELED BY THE INGENUITY, EXPERIENCE, AND CREATIVITY OF INDIVIDUALS UNDER THE AGE OF 35 IN PARTICIPATING UN GLOBAL COMPACT COMPANIES.

It was also a pivotal moment in the Decade of Action towards the 2030 deadline of the SDGs, and one featuring unprecedented global challenges. It is in the face of adversity that innovation shines brightest.

The repercussion of the pandemic, environmental crises, social injustice, and disruptions across various systems underscore the urgency of our collective mission. The SDG Innovation Accelerator for young professionals was a beacon of hope in this complex landscape.

In 2019, the UN Global Compact launched the Young SDG Innovators program, an ambitious endeavor to inspire a new generation of leaders to rethink business models and identify opportunities aligned with the SDGs. The program evolved into the SDG Innovation Accelerator, reflecting the dynamism and adaptability required in the face of global challenges.

As we reflect on the journey in 2023, the pages of this yearbook feature some of the success stories from young professionals from across the world. These young professionals engaged actively in learning workshops and training sessions, channeling their energy and skills towards addressing pressing global issues. The result? Over 200 SDG business solutions emerged, spanning circular economy initiatives, inclusive finance, universal public health, land reforestation, and carbon emissions reduction.

This yearbook captures the essence of their endeavors, showcasing how these young leaders disrupted traditional ways of doing business and spearheaded change for genuine SDG impact. The solutions presented here are not merely ideas on paper; they are the tangible outcomes of the dedication and collaboration of a community determined to make a difference.

To the young professionals whose stories fill these pages, your innovation, commitment, and passion are the driving forces behind the positive change we aspire to achieve.



The UN Global Compact SDG Innovation Accelerator engages young professionals from companies participating in the UN Global Compact around the world to learn how to use the Sustainable Development Goals (SDGs) as a catalyst for the development of new products and services. Building on the UN Global Compact's work on Breakthrough Innovation for the SDGs, the accelerator connects mid-level and junior managers – aged 35 and younger – across diverse business units to generate bold yet viable solutions that can have a positive impact on the company and the SDGs.

About the accelerator

Each team of young Innovators will, over the course of 9 months, work on a challenge specific to their company with the goal of designing more sustainable business models, initiatives and products that will advance the company's sustainability efforts while driving innovation and delivering tangible solutions with potential market value.

The programme takes participants through a design thinking approach to innovation by focusing on the SDGs. Participants run through each phase of the programme, provided with resources, tools and methodologies that will guide them through the process of identifying a challenge, designing and testing solutions and validating these solutions for business value as well as SDG impact. The programme contributes to corporate behavior change by exposing participants to various business models and digital transformation tools that can be adopted by their companies.

SDG INNOVATION OBJECTIVE

THE GOAL OF THE PROGRAMME IS TO ENCOURAGE SDG INNOVATION THROUGH BOTTOM-UP APPROACHES WITH THE AIM OF DEVELOPING BREAKTHROUGH SOLUTIONS THAT HAVE BOTH SOCIAL AND MARKET VALUE,

while also developing a new generation of sustainable business leaders who take initiative within their organizations to drive sustainability within their companies.

The programme also aims to target corporate behavior change by changing the way employees view the SDGs in relation to their business. While the tangible outcome of the programme is designed to be a new idea, product, service or business model that is rooted in the SDGs while also having

real market value for the company, the long term objective for the programme is to stimulate breakthrough shifts in the way companies think.

By focusing on young professionals from diverse business units, the programme aims to mainstream SDG innovation, leveraging the programme participants – and future business leaders and decision makers – to become advocates and working practitioners of SDG innovation and spread this practice across their companies at all levels.

In 2023,

06

178

companies

took part in this accelerator worldwide.



More than

700

young professionals

have participated in this accelerator.

It was implemented in

16

countries:

Bangladesh, Brazil, China, Ecuador, Georgia, Indonesia, Malaysia and Brunei, Mexico, Norway, South Africa, Sri Lanka,

Switzerland and Lichtenstein, Turkiye, Ukraine, United Kingdom and United States of America.

Data related to the outcomes achieved in the year 2023.

91%

of surveyed Innovators developed an **SDG Business Solution** using the tools and resources provided by the SDG Accelerator.

95%

of surveyed young professionals understand the concepts around the **power of intrapreneurship** to accelerate the transition towards business models, products, and technologies that align with the SDGs.

95%

understand the different aspects of breakthrough innovation: the breakthrough mindset, breakthrough business models and breakthrough technologies.

07

SDG Innovation Solutions.

08



Brazil



Copasa

Companhia de Saneamento de Minas Gerais, Brazil.

09

COMPANY OVERVIEW

Copasa is a mixed-capital company under the control of the State of Minas Gerais that operates in Brazil, serving approximately 11.8 million inhabitants with water supply services and 8.5 million with sewage services. Established the ESG Agenda that integrates the Strategic Planning seeking to ensure the purpose of taking care of water and generating value for people. It has a Sustainability Subcommittee to monitor the Agenda, seeking the best market practices in sustainability management. It participates in the UN Global Compact and has prioritized SDG 6, Drinking Water and Sanitation, related to its core business. It joined the Mais Água Movement, setting targets for universal sanitation and is associated with the Ethos Institute, part of the Rede Desafio 2030, the first SDG Hub in the world. Participates in state and federal committees for the sustainable development of river basins. Report your information on the CDP global platform.

CHALLENGE SUMMARY

The project "COPASA Aberta: our way of informing" had the scope of creating an innovation tool for communication with the strategic client, in order to subsidize them with information to participate in the management of water resources, with the ultimate aim of reducing legal demands. Once provided with correct information, the interested party, now qualified to participate in the management of water resources, will understand the company's business and avoid questions from supervisory and judicial bodies, ultimately reducing the company's costs.

TEAM MEMBERS

Marcela Fontenelle Grillo
34, Lawyer.

Raphaella Miranda Cruz
33, Customer Satisfaction Supervisor.

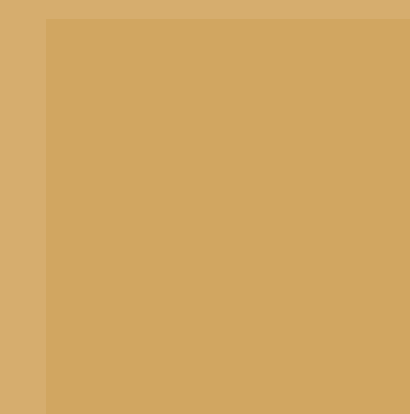
Champion
Silvana Mânica Vaz
Water Resources Service Unit Manager.

SOLUTION DESCRIPTION

STRUCTURED STRATEGIC COMMUNICATION ENGAGES KEY STAKEHOLDERS, PROMOTING ACCOUNTABILITY, TRANSPARENCY, AND SUSTAINABLE URBAN DEVELOPMENT.

Crafting the company's strategic communication strategy entails actively involving a range of stakeholders, including clients, regulatory authorities, the community, and representatives from key legal sectors. Seeking an increasingly responsible approach, the process allows

the use of simple and accessible language to deal with matters of high technical complexity, promotes listening to the client, understands their needs and expectations and encourages the training of interested parties to social control of water resources and more sustainable cities. Transparency and information directly impact the population's trust in the company and in our products and services. Thus, aligned with the Company's purpose of taking care of water and generating value for people, in addition to the centrality of the customer in our business, the solution impacts the reduction of legal proceedings with the possibility of redirecting investments to improve relationships.



Copasa

Companhia de Saneamento de Minas Gerais, Brazil.

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COMPANY OVERVIEW

Copasa is a mixed-capital company under the control of the State of Minas Gerais that operates in Brazil, serving approximately 11.8 million inhabitants with water supply services and 8.5 million with sewage services. Established the ESG Agenda that integrates the Strategic Planning seeking to ensure the purpose of taking care of water and generating value for people. It has a Sustainability Subcommittee to monitor the Agenda, seeking the best market practices in sustainability management. It participates in the UN Global Compact and has prioritized SDG 6, Drinking Water and Sanitation, related to its core business. It joined the Mais Água Movement, setting targets for universal sanitation and is associated with the Ethos Institute, part of the Rede Desafio 2030, the first SDG Hub in the world. Participates in state and federal committees for the sustainable development of river basins. Report your information on the CDP global platform.

CHALLENGE SUMMARY

Ensuring workers' consultation and participation is integral; thus, dismantling communication barriers is a key organizational responsibility. The worker, our primary internal customer, holds paramount importance. Their physical and mental well-being governs all actions for health and safety assurance. The Company places non-negotiable value on promoting mechanisms for their well-being and return home safely. Active worker participation in reporting work conditions enhances targeted improvement. The project seeks to create an accessible tool for employees to record unsafe behaviors, fostering a culture of occupational health, safety, and injury prevention.

TEAM MEMBERS

Júlia Silva Modesto
30, Health and Safety Engineer.

Edmar dos Reis Santos
31, Electromechanical Technician.

Champion

Mauro Lúcio Henrique de Carvalho
Occupational Health and Safety Manager.

SOLUTION DESCRIPTION

FOSTERING SAFETY CULTURE: OUR APP-DRIVEN APPROACH PROMOTES WORKER ENGAGEMENT, RISK MITIGATION, AND RECOGNITION OF GOOD PRACTICES.

Aligned with Our Commitment - "We act with safety and respect for life," health and safety at work are present in all processes of the company. Therefore, this premise is outlined in Our Way - "We ensure safe individual

and collective behavior." To promote the effective participation of workers, a web version and a smartphone application will be made available for the registration of detected unsafe behaviors and conditions. These records are analyzed by the company's health and safety team, which collaborates with the involved organizational unit to mitigate risks. The application allows mapping of the most common situations in the work environments, providing support for targeted actions. Good practices are also recorded for recognition purposes. This tool works in conjunction with other existing ones for the prevention of injuries and absences, as well as promoting the workers' sense of belonging in health and safety matters at work.



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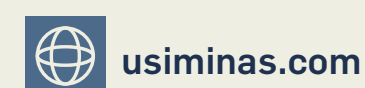
Usiminas

Minas Gerais, Brazil.

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COMPANY OVERVIEW

More than just steel, Usiminas provides solutions for some of the country's most significant industrial challenges. Have you ever paused to consider the ubiquitous presence of steel in your daily life? Whether it's in your car, a building, a ship, a refrigerator, solar panels, agricultural equipment, industrial machinery, wind towers, or even on that impressive oil platform, Usiminas steel plays a vital role. It is omnipresent where knowledge and innovation shape the future, offering integrated, customized, and comprehensive solutions tailored to the unique needs of each client. Prioritizing sustainability and transformation, those who pursue excellence acknowledge that results are meant to be shared. Therefore, Usiminas operates with a commitment to sustainability and social responsibility. Through the Fundação São Francisco Xavier, it invests in education and health. The Usiminas Institute contributes to making a positive impact on people's lives by directing investments toward initiatives that enhance access to culture, sports, and citizenship in the cities where the company operates. Fueled by technology, knowledge, and quality, this is how Usiminas not only builds the present but also shapes the future.



CHALLENGE SUMMARY

The use of wooden pallets is common in several industries and supply chains, but it can present some risks and liabilities, such as risks related to health, safety and the environment, dust occupancy uncles and low durability.

TEAM MEMBERS

Danielle Maia
35, Senior Sustainability Analyst.

Ligia Barroso Fabri
35, Senior Lawyer.

Champion
Rafael Alves Amaral
Environmental Analyst.



SOLUTION DESCRIPTION

A collaborative project between the Company and its partners aims to dispose of residential solid waste, initially focusing on plastic. Employees will be encouraged to donate materials through Company-led campaigns, which will then be collected at Company facilities and sent for recycling (granulation) through partnerships with local cooperatives. The recycled material will be used to produce recycled plastic pallets, replacing wooden ones typically used by industries. Participants will receive incentives such as self-development courses and tickets to sociocultural events to encourage engagement.



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



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China



Bluepha

Bluepha Co., Ltd.
Beijing, China.

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COMPANY OVERVIEW

Bluepha, founded by scientists from Tsinghua and Peking University in 2016, is a China-based biotech company specializing in molecular and material innovation. Bluepha is committed to offering sustainable life solutions for humanity by harnessing the potential of microorganisms. Our first commercial product, Bluepha® PHA, is currently being produced on an industrial scale.

TEAM MEMBERS

Yanzhou Jiang

29, Market Research Expert.

Rong Lu

29, Marketing Communication Manager.

Champion

Yuanbin Bai

VP, Marketing (Left position in December 2023).

CHALLENGE SUMMARY

Our world is choking on plastics that cannot be degraded for hundreds of years. Every year, more than 1 million marine animals are killed by plastic waste. Humans eat, drink, and breathe in over 74,000 microplastics a year and that cumulative effect could be toxic. And let alone the huge amount of carbon emissions from producing and incinerating plastics. We need to find a way out of the plastic crisis.

SOLUTION DESCRIPTION

We have developed Bluepha® PHA (polyhydroxyalkanoate), a natural organic material to help fight the plastic crisis and reduce carbon footprints. Bluepha® PHA is produced from microbial fermentation with renewable feedstocks. It has similar physical properties to plastic and can be used in countless daily application scenarios. The most incredible thing is that Bluepha® comes from nature and returns to nature. For example, a straw made with Bluepha® PHA can be disposed of through home or industrial composting. However, even if it accidentally ends up in nature, it can biodegrade into carbon dioxide and water within a few months.



Lenovo Group

Beijing, China.

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COMPANY OVERVIEW

As a leading enterprise in ICT industry, Lenovo has been engaged in the cause of ESG for more than 17 years and regards ESG and social value as one of the pillars among company strategies. We have gained the MSCI ESG AAA rating, which is the highest level across the world. Lenovo is committed to achieving net-zero greenhouse gas emissions across the entire value chain by FY2049/50, making it the first high-tech manufacturing enterprise in China to be validated by the Science Based Targets initiative (SBTi). With Lenovo's 3S strategy, Lenovo leverages its leadership on ESG topics to take the lead in achieving its comprehensive green and low-carbon transformation. Lenovo plays a leading role in the supply chain, cultivates, encourages and leads upstream and downstream suppliers to jointly achieve low-carbon and intelligent transformation. Lenovo takes active action to empower other industries and support digital and low-carbon transition of various industries.

CHALLENGE SUMMARY

As our economy is rapidly growing, more energy-related problems are surging. Therefore, saving energy is of great importance to sustainable development in China. However, current heating and cooling system lead to great energy consumption. In this regard, we must improve energy efficiency to a higher degree. In addition, since the energy consumption of heating and cooling system and increased emission of greenhouse gases (GHGs), the planet is warming and sea levels are rising. We are facing great barriers to environmental protection.

TEAM MEMBERS

Zhang Jiayu
Manager ESG and Sustainable Development of Lenovo Group.

Xiaotong Wu
Digital ESG Manager.

Champion
Wang Xuan
Responsible Person of ESG and Sustainable Development of Lenovo Group; Secretary General of ESG Committee of Lenovo China Site.

SOLUTION DESCRIPTION

LENOVO PRIORITIZES GREEN CARBON REDUCTION, IMPLEMENTS SMART ENERGY-SAVING SOLUTIONS, ACHIEVES CARBON NEUTRALITY AT ITS BEIJING HEADQUARTERS, AND EARNS CERTIFICATION FROM THE BEIJING GREEN EXCHANGE.

The group practiced the concept of green carbon reduction, created a "three side, one platform" smart energy-saving system, completed the Lenovo headquarter carbon neutrality building project in Beijing, and has been awarded a carbon neutrality certificate by the Beijing Green Exchange. Lenovo

headquarter carbon neutrality building project relied on Lenovo's self-developed building IoT base, through the innovative integration of multiple carbon reduction paths such as the use of clean energy on the energy supply side, the full link "unmanned driving" intelligent energy carbon operation technology on the energy consumption side, and small amount of carbon emission offset products on the offset side. And it leveraged "Lenovo Intelligent Energy and Carbon Management Platform" to achieve refined, intelligent, visual management and global control of building energy and carbon operations. Upon completion of the project, it is expected to achieve a 30% reduction in energy consumption.



Richangsheng

Group Co., Ltd.

Zhejiang, China.

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COMPANY OVERVIEW

Richangsheng Group is a new construction materials enterprise in China. It adheres to the concept of sustainable development and is committed to the efficient utilization of all factors. And use innovation as the engine to pursue a sustainable development path that goes hand in hand with green and innovation. We practice the concept of "lucid waters and lush mountains are valuable assets", and actively advocate and implement the coordinated use of resources to ensure the sustainability of the ecological environment. We will promote enterprises to achieve high-quality development. While committed to promoting the industry to establish a new development system of ecological industrialization and industrial ecologicalization, we strive to become a supporter and practitioner of the UN SDGs and make our own contribution to building a green and sustainable future.

CHALLENGE SUMMARY

Since the sand and gravel mining industry has given the public a negative impression for a long time. The solid waste in the mine has not been properly disposed of, and it is difficult to recycle, so there are always problems such as the NIMBY effect in the project community, and the sustainable development of the enterprise is facing difficulties. In this challenge we will focus on the mines in Haiyang City, Shandong Province. This mine was originally used to produce building materials, but it was shut down by the government due to violent mining and pollution emissions. What we need to do is to revitalize the local materials industry while rehabilitating the mines, solving environmental pollution problems, and designing sustainable development plans for the region.

TEAM MEMBERS

Chi Zhang
25, Project Manager, Design Institute.

Dandan Jiang
27, Financial Manager.

Lilin Song
28, Supplier Development Engineer.

Champion
Fang Han
Creative Director, Creative Planning Institute.

SOLUTION DESCRIPTION

To achieve the dual objectives of revitalizing the materials industry and rehabilitating the mining environment in Haiyang, we devised a specialized recycling industrial park. It features: 1. An innovative business model integrating primary, secondary, and tertiary industries, aimed at cost reduction, optimal land usage, and business diversification. 2. Technological advancements in mine production and waste material processing to curtail pollution emissions and enhance solid waste utilization rates. 3. Collaborative efforts with stakeholders to foster shared value, thereby addressing social conflicts and circumventing the NIMBY effect through alignment with government, residents, workers, and business leaders. This holistic approach ensures sustainable development and mutual benefit for all involved parties.

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



State Grid

Nantong Power Supply Company. Beijing, China.



SOLUTION DESCRIPTION

Based on the principle that wet gas is difficult to produce condensation under flowing conditions, our team used the blower technology inside the power ring cabinet for the first time, and developed a blower dehumidifying dehumidifier for the power ring cabinet. Combined with the special design of the air duct and the blower nozzle, the condensation removal of the secondary chamber of the power ring cabinet is realized, and the condensation removal of the mechanism warehouse of the power ring cabinet is realized for the first time.

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COMPANY OVERVIEW

State Grid Co., Ltd. was established on December 29, 2002, with a revenue of 3.57 trillion yuan in 2022. It is a state-owned company under the direct management of the central government established in accordance with the provisions of the Company Law, and is an extremely large state-owned key backbone enterprise that is related to the lifeline of the national economy and national energy security. With the investment, construction and operation of power grids as its core business, the company undertakes the fundamental mission of ensuring a safe, economic, clean and sustainable power supply.

CHALLENGE SUMMARY

In 2022, condensation caused more than 20 trips of power ring cabinets in Nantong urban area. The condensation caused corrosion of key equipment of power ring cabinets, and the actual service life of some power ring cabinets was only 1/3 of the designed life. Every year, our company has to invest a lot of manpower and material resources to eliminate the condensation problem of the ring network cabinet, which has brought greater economic losses to the society and the company. Therefore, our challenge is to solve the condensation problem inside the power ring cabinet.

TEAM MEMBERS

Zhujian OU

34, Office Clerk of Development Planning Department.

Qianlin ZHOU

35, Office Clerk of Sales & Marketing.

Zhao GE

29, Office Clerk of Dispatch Control Center.

Muyi TANG

26, Office Clerk of Dispatch Control Center.

Champion

Jiahong LIU

CSR Manager.



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



11 SUSTAINABLE CITIES AND COMMUNITIES



13 CLIMATE ACTION



State Grid

Wuxi, Power Supply Company. Beijing, China.

· team 2 · team 2 · team 2 · team 2 · team 2

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COMPANY OVERVIEW

The State Grid Corporation, the world's largest public utility company, provides electricity services to over 1.1 billion people. It aims to improve living standards and promote the energy revolution, contributing to the goal of carbon neutrality. Wuxi Power Supply Company, a subsidiary of the State Grid Corporation, supplies sustainable power to Wuxi's economy, society, and 4.1042 million users. The company adheres to the concept of "energy transformation and green development", transforming traditional power grids into sustainable ones. In recent years, the company has devised and implemented various schemes for the 17 sustainable development goals, including the innovative "Zero Carbon Energy E-Station" scheme, which was unveiled globally at the opening of the 77th United Nations General Assembly.

CHALLENGE SUMMARY

Freshwater is crucial for global life, but faces degradation from eutrophication and cyanobacterial blooms, impacting aquatic organisms and human health. This issue is observed worldwide, including in the United States, Japan, Switzerland, and China's Taihu Lake. The 2007 Taihu Lake cyanobacterial bloom had severe ecological and economic effects, posing challenges for stakeholders. Government efforts, like enhanced supervision, aim to restore Taihu Lake, but water pollution persists due to monitoring blind spots and equipment interference, maintaining the threat of cyanobacterial outbreaks.

TEAM MEMBERS

Yi Li
29, Grid Dispatcher.

Sijia Li
29, Grid Development Researcher.

Yitong Wang
24, Relay Protection Worker.

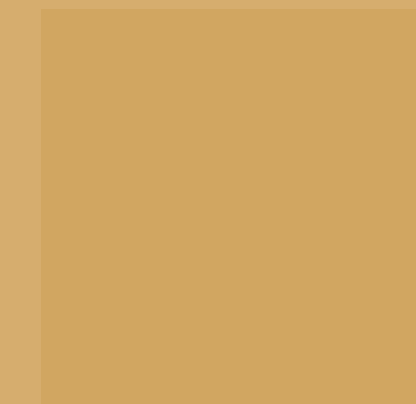
Chengkai Peng
27, Grid Dispatcher.

Champion
Hangqing Wang
Brand and Social Responsibility Specialist.

SOLUTION DESCRIPTION

THE COMPANY HAS FOCUSED ON THREE ASPECTS OF CYANOBACTERIA TREATMENT: POLLUTION SOURCES, SEWAGE TREATMENT, AND CYANOBACTERIAL DISPOSAL.

The Company has applied power big data to control cyanobacteria in Taihu Lake, based on its advantages of being comprehensive, actual, and real-time. The company has focused on three aspects of cyanobacteria treatment: pollution sources, sewage treatment, and cyanobacterial disposal. By collecting and analyzing multi-dimensional data on power consumption and environmental monitoring in Taihu Lake, the company has identified the electricity consumption patterns of key industries and agricultural irrigation, which are the "point" and "area" sources of pollution. The company has also evaluated the operational status of important facilities such as sewage treatment plants and cyanobacteria-water separation stations by monitoring their power consumption. Furthermore, the company has established a monitoring and warning system for cyanobacteria treatment, which can help government departments to respond in a timely and accurate manner, and protect the water quality and ecological sustainability of Taihu Lake.



State Grid

Suzhou, Power Supply Company. Beijing, China.



SOLUTION DESCRIPTION

THE TEAM FOCUSES ON MARKET TRANSACTIONS INVOLVING ROOFTOP DISTRIBUTED PHOTOVOLTAICS TO ESTABLISH A REGIONAL CARBON MARKET THROUGH FOUR INNOVATIVE MEASURES.

The Company has been focusing on the participation of dispersed and small carbon assets, such as rooftop distributed photovoltaics in market transactions. Our team has participated in building a broad applicable carbon market for regional distributed

photovoltaics with four following innovative measures, including 1) Promote the construction the carbon assets trading mechanism, 2) Establish an online platform to achieve 'one-stop service', 3) Support innovative carbon financial products, and 4) Apply Machine Learning to ensure data privacy. Our project has achieved mutually-beneficial cooperation with distributed photovoltaic investors, governments, banks, carbon reduction demand enterprises by aggregating distributed carbon assets, and promoted green and low-carbon development through stimulating the enthusiasm of distributed photovoltaic investors.

COMPANY OVERVIEW

State Grid Corporation of China actively responds to global development initiatives, fully leverages the fundamental and leading role of the power grid, ensures power supply, assures energy security, accelerates green transformation, adheres to technological self-reliance and self-improvement, and carries out international cooperation, providing strong and reliable power support for economic and social development and livelihood improvement. We adhere to the corporate mission of "charging for a better life and empowering a beautiful China" and the responsibility of leading the way in sustainable development. Based on an international perspective, we will continuously stimulate innovative strength and ensure that enterprises and stakeholders work together to contribute to sustainable development goals.

CHALLENGE SUMMARY

Current strong societal demand for carbon reduction drives extensive distributed photovoltaic construction. Urgent need for a tradable carbon market to facilitate carbon reduction. Issues in current carbon trading market include immature inclusivity, hindering trading between carbon reduction entities. Professionalism in carbon asset certification causes talent shortage and lacks one-stop services for certification, trading, and analysis. Data privacy, lengthy credit reporting, and high costs limit carbon finance products. A new challenge arises: integrating scattered carbon resources to boost societal enthusiasm for carbon reduction.

TEAM MEMBERS

Yizong Guo
26, Power Client Manager.

Yue Zhao
27, Power Client Manager.

Yu Feng
27, Power System Operator.

Shijie Wang
26, Electrical Engineer.

Champion

Chong Tong
Senior Engineer, UN Global Compact 2022 SDG Pioneer.



LONGi Green

Energy Technology. Shaanxi, China.

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COMPANY OVERVIEW

Founded in 2000, LONGi Green Energy Technology Co., Ltd. (LONGi for short) aspires to be the most compelling solar technology company by leading the world's transition to green energy. Being committed to the mission of making the best of solar energy to build a green world and the brand image of the most trusted, reliable solar company that blazes the trail for green technology, LONGi focuses on technological innovation and endeavors to build its business in five areas—monocrystalline wafers, cells and modules, distributed generation solar solutions, power station solutions, and hydrogen energy systems. As an advocate of the RE100, EP100, and EV100 initiatives, LONGi sets its own SBTi targets to further its green, sustainable development efforts, and to advance the global energy reform, contributing its share to a Zero Carbon Planet and a Green Earth.

CHALLENGE SUMMARY

Identified challenges in global energy transition trilemma: reliability, affordability, and sustainability. Supply side issues include high-emission, inefficient, expensive supply chains hindering tech innovation. Renewable energy industry expansion leads to outdated capacity, waste, and hinders fossil fuel replacement. On the demand side, energy access deficits persist, especially in least developed countries. Global energy equity and achieving Net Zero are ultimate goals. As a green energy tech enterprise, LONGi is committed to developing clean, efficient, and economical supply chain innovations.

TEAM MEMBERS

Xin Zhang
27, Global Market Insight Manager.

William Bai
30, Strategic Insight Manager.

Champion
Sophie Sun
Global Head of Marketing & Strategy.

SOLUTION DESCRIPTION

THIS YEAR MARKS THE DEBUT OF THE WORLD'S FIRST REVOLUTIONARY DIGITAL FACTORY BOASTING THE HIGHEST AUTOMATION LEVEL IN THE GLOBAL SOLAR PV INDUSTRY.

We successfully launched the first revolutionary digital factory with the highest automation level in global Solar PV industry this year. On the proposal stage, we used cost-benefit analysis to support the transformation to efficient planning, including the

considerations of material ESG topics. During the execution stage, we used digital tools such as big data based AI to support node diagnosis, and improved the working environment for workers. In the test running period, the supply chain efficiency increased 30%. And now on the review stage, we use digital governance systems to identify the potential risks in advance. The factory will further amplify the scale effects of solar manufacturing, resulting in increasing affordability of renewable energy. And also, the launch of digital factory will lead the way for the industry towards smart, clean and innovative development. According to the internal feedback, there have been immeasurable benefits to workers as well.



Lenovo Group

Beijing, China.

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COMPANY OVERVIEW

Lenovo Group is a global technology company established in China, with operations spanning across 180 markets. The company has identified ESG (Environmental, Social, and Governance) as one of the three key pillars for stable growth and was among the first domestic companies to join the Science-Based Targets initiative (SBTi). Lenovo Group has taken measures to implement green and low-carbon transformation within its organization and is leading the transformation towards low-carbon and intelligent development throughout the industry chain. Through its "3S" strategy (Smart IoT, Smart Infrastructure, Smart Industries and Solutions), the company focuses on providing services, developing technology, and creating a more inclusive and trustworthy smart future.

CHALLENGE SUMMARY

Plastic is widely used in the PC industry for its good insulation, heat resistance, and high strength, in components such as A/B/C/D cover, keyboard, adapter, battery, etc. These virgin plastic are extracted from crude oil, which not only consumes crude oil but also generates a large amount of carbon emissions during the process. Taking ThinkPad as an example, it consumes thousands of tons of new plastic materials every year. The production of 1 kg of virgin plastic generates approximately 3-5 kg of CO₂, which means that just the use of plastic by ThinkPad alone results in over a million tons of CO₂ emissions annually.

TEAM MEMBERS

Han Jiao
Battery Engineer in Lenovo.

Xu Yiping
IT Engineer.

Xia Yuwei
ESG Specialist.

Champion
Tan Yue
Director of Commercial Development.

SOLUTION DESCRIPTION

INCREASING THE PROPORTION OF RECYCLED PLASTIC IN OUR PRODUCTS IS ESSENTIAL FOR REDUCING RELIANCE ON VIRGIN PLASTICS, DIMINISHING OUR DEPENDENCY ON CRUDE OIL, AND LOWERING CARBON EMISSIONS.

To reduce the use of virgin plastics, reduce dependence on crude oil, and decrease carbon emissions, we need to increase the proportion of recycled plastic in our products. Therefore, we work with our partners to innovate and develop materials with a plastic recycling ratio of more than 95%, overcome

the difficulties in product development through material formula improvement, product mold design, product structure enhancement, etc., and mass-produce applications to adapters, batteries and other components. 95% of the adapters are recycled and virgin plastic is not used at all, and it is further extended to laptop batteries, speakers and internal mechanisms. Until now, more than 1,710 tons of PCC plastic have been used, reducing more than 4,400 tons of carbon dioxide emissions.



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Ecuador



Grupo Entregas

Pichincha, Ecuador.

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COMPANY OVERVIEW

Grupo Entregas is a logistics company that aims to be the strategic partner in logistical processes for our clients, through comprehensive and forward-thinking innovative solutions. Our commitment to the present and the future motivates us to consider environmental sustainability. 'Proposito Verde' encompasses all the actions and projects of Grupo Entregas focused on reducing our environmental impact and addressing climate change.

TEAM MEMBERS


Alejandro Aparicio
29, Jefe de Nuevos Negocios e Innovación.

Walter Freire
25, Service Assurance Lead.

Sergio Recalde
26, Jefe de Calidad y Auditoría.

José López
27, Project Assurance Lead.

Champion
María Paulina Romo
Presidenta.

 grupoentregas.com

CHALLENGE SUMMARY

As a logistics company, our business operations generate 3865 kilograms of CO2 per truck on the road. In total, this equates to 143,000 kilograms of CO2 produced annually. Given the lack of more sustainable and long-term alternatives, we aim to address this challenge by developing a solution that encompasses both sustainability and the profitability of our business.

SOLUTION DESCRIPTION

Our solution aims to alternate our current operation with three parallel processes that can provide short-term support for our current deliveries while becoming a viable long-term solution to replace our current fleet. These processes are:

1. Drone deliveries, in partnership with a strategic ally with HUBS in strategic locations in the main cities of Ecuador.
2. Deliveries using electric bicycles to cover smaller urban areas more quickly.
3. Utilization of electric trucks to maintain our current routes while reducing ecological impact.



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



Warmi

Pichincha, Ecuador.

SOLUTION DESCRIPTION

Warmi is a digital ecosystem designed to empower women by enhancing their capacities and overall well-being. Through its Life Plan training program, Warmi offers specialized courses and personalized mentorship to improve various aspects of women's lives, including finances, entrepreneurship, personal development, health, and well-being. Additionally, Warmi provides a virtual learning platform that facilitates access to content and fosters interaction among users, creating a comprehensive support system for women's empowerment.

23

COMPANY OVERVIEW

We are a digital platform offering a comprehensive wellness program for women via subscription. We provide emotional, physical, financial, and mental health tools to promote empowerment and reduce the gender gap.

CHALLENGE SUMMARY

We have detected that around 54% of women wish to have tools that help with their mental peace, and approximately 60% of these women are in a vulnerable state.

TEAM MEMBERS

Nathaly Vinueza
35, CEO and Founder.

Mauricio Santacruz
40, CPO.

Carolina Obando
38, Social Purpose.

Claudia Wisum
21, Comercial.

Champion
Mauricio Heredia
Strategy Advisor.



5 GENDER
EQUALITY



Sicma Ecuador

Pichincha, Ecuador.

24

COMPANY OVERVIEW

SICMA Ecuador is an environmental and sustainability services company, whose main lines of action are: training, consulting, regulation and communication of Sustainability in a digital and automated way with HeVA (Environmental Verification Tool). The purpose of SICMA is to promote a culture of sustainable economic growth from the private-productive sector in LATAM markets. SICMA raises the need to connect the DNA of brands with the construction of sustainable cities and communities and alignment to the Sustainable Development Goals. Our commitment to Sustainability: SICMA's purpose is to fight climate change from the conformation of an ethical business, fair with the planet and conscious with the search for gender equality. We focus our efforts on democratizing access to environmental education for business and new generations.

CHALLENGE SUMMARY

We face the challenge of significantly increasing the percentage of companies in Ecuador that consistently comply with environmental regulations. We found that in reality many companies do not maintain consistency in their compliance. This situation is aggravated by ineffective environmental consultants who do not follow up on environmental processes. This lack of continuity and ineffective consulting has created a scenario in which non-compliance has a negative impact on both environmental sustainability and corporate reputation. It is crucial to address this issue to ensure sound and consistent environmental management in the Ecuadorian business market.

TEAM MEMBERS

Andrea Aguilar
31, Marketing and Digital Strategy Coordinator.

Francisco Cevallos
32, Operations Manager.

Patrick Romero
29, Technical Coordinator.

Champion
María Elisa Campos
Executive President.

SOLUTION DESCRIPTION

HEVA SIMPLIFIES ENVIRONMENTAL MANAGEMENT WITH SPECIALIZED TOOLS LIKE PROCESS AUTOMATION AND A CARBON FOOTPRINT CALCULATOR, ENSURING COMPLIANCE AND OPTIMAL PERFORMANCE.

HeVA, our advanced environmental management platform, is the comprehensive solution for companies looking for efficient management. With nearly a decade of development, HeVA simplifies environmental management by offering specialized tools, from process automation and tracking to its powerful carbon footprint calculator. Our platform ensures regulatory compliance, facilitates environmental permit processing and provides full control over operations, all backed by high safety standards. HeVA is more than a tool; it is the path to effective and compliant environmental performance. Join the environmental management revolution with HeVA and ensure your company's compliance in a simplified and effective way. HeVA, our top environmental management platform, is crucial for achieving SDGs 11, 13, and 16. It simplifies environmental management, contributes to sustainable cities (SDG 11), aids climate action (SDG 13) with its carbon footprint calculator, and supports strong institutions (SDG 16) by streamlining regulation with environmental permits.



25



Georgia



MFI MBC

Tbilisi, Georgia.

26

COMPANY OVERVIEW

MFI MBC is an organization operating on the basis of modern, innovative and international standards, which aims to offer customized and affordable financial services to micro and small entrepreneurs and farmers in Georgia, increase the availability of financial resources and loan products, and to establish a long-term and transparent relationship with customers. MFI MBC, as a socially responsible financial institution, is focused to contribute the sustainable development goals. The main directions of company's corporate sustainability strategy are: Business Ethics, Environment, Supporting Society, Customers and Employees.

CHALLENGE SUMMARY

Despite recent initiatives for women's economic empowerment in Georgia, socio-cultural factors and limited access to resources still hinder their participation in the economy. Gender inequality persists in financial and non-financial service access. A major issue is unequal property ownership and discriminatory inheritance practices; 61.5% of men inherit or receive property, compared to only 16.4% for women. Unpaid work and family obligations further deter women from entrepreneurship. Fear of failure, due to societal intolerance, adds to the challenge. These barriers exacerbate economic inequality, impede overall growth, hinder job creation, and make women more vulnerable to gender-based violence.

TEAM MEMBERS

Gvantsa Patsatsia

34, Corporate Responsibility & Communication Manager.

Natia Bitarova

23, Marketing Specialist.

Rusudan Macharashvili

31, Lawyer.

Champion

Eto Chachibaia

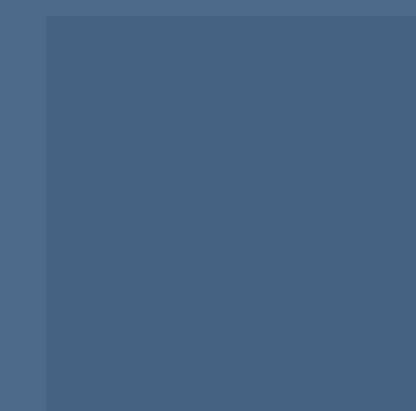
COO.

SOLUTION DESCRIPTION

AS A FINANCIAL INSTITUTION, MFI MBC AIMS TO COMBAT GENDER INEQUALITY AND PROMOTE WOMEN'S ECONOMIC EMPOWERMENT AND FINANCIAL INCLUSION IN GEORGIA. THEIR SOLUTION INTEGRATES BOTH FINANCIAL AND NON-FINANCIAL SERVICES.

As a financial institution, MFI MBC would like to contribute to reduce gender inequality and support women economic empowerment and financial inclusion in Georgia. Solution includes combination of financial and non-financial services. First of all, loan product was designed tailored to women

entrepreneurs. Considering property ownership barriers, women entrepreneurs are offered unsecured loans up to 10000 USD. Also, negotiations will be conducted with investors to offer affordable interest rates. At the same time, MFI MBC believes that financial inclusion and economic empowerment of women is more than owning traditional loans or running business. It is also about ensuring woman has the knowledge and confidence to lead the business. Within the frames of project, we designed women leadership program. Under the program, we offer three modules of trainings in business skills, financial literacy and soft skills.



2023
SOLUTIONS REPORT

27



Indonesia



PT PLN (Persero)

Jakarta, Indonesia.

28

COMPANY OVERVIEW

PT PLN (Persero) is a state-owned electricity company in Indonesia. It is responsible for providing electricity to the Indonesian population, as well as for the development and management of the country's electricity infrastructure. PLN operates in all regions of Indonesia and generates, transmits, distributes, and sells electricity to customers throughout the country. As a state-owned enterprise, PLN is also responsible for promoting energy efficiency and conservation, as well as for increasing access to electricity in remote and underdeveloped areas of the country. PLN is a vital institution in Indonesia and plays a key role in the country's economic and social Development.

CHALLENGE SUMMARY

The distribution of electricity in remote areas of Indonesia is uneven, due to limited transportation access, and the use of expensive and environmentally harmful power plant technology. How to provide affordable and environmentally friendly electrification across all regions of Indonesia?

TEAM MEMBERS

Deskeniel

34, Planning and Business Manager for Main Regional Papua & Papua Barat, Department Planning.

Devi Oktavianingtyas

31, Officer Product Management PLN Nusantara Power, Department Business Development Generation Derivatives.

Siti Aisyah

Officer of Technology Scanning, Department Planning & Product Development.

Faris Zainur Rosyidin Mukh

Assistant Manager for Product Development at PLN Puslitbang, Department Planning & Product Development.

Champion

Winarno

Senior Manager Planning and Development.

SOLUTION DESCRIPTION

Providing affordable and environmentally friendly electricity to remote areas using Compact Energy Storage Technology for Individual Solar Power Generation which the team calls "SuperSUN". SuperSUN, an innovative solution to provide electricity utilizing clean and affordable energy resources to the households in 3T areas. Yarweser village is the pilot-project site of this technology's implementation. SuperSUN is a personal power plant with energy storage system and built-in kWh meter, using sunlight as its primary source of energy. While solar-powered technology has been around for some time now, SuperSUN's technological breakthroughs are offering some major key advantages:

1. Energy reliability through hybrid resources, power storage, & microgrid system;
2. Smart and intelligent monitoring system;
3. Affordable investment & operational costs.



PT Pertamina (Persero)

29

COMPANY OVERVIEW

PT Pertamina (Persero), founded in 1957, is Indonesia's state-owned oil and gas company, engaging in exploration, production, refining, marketing, and distribution globally. Operating across the oil and gas spectrum, from upstream to downstream, Pertamina manages fields nationwide and boasts a substantial downstream presence with fuel stations countrywide. Beyond traditional operations, Pertamina ventures into geothermal, renewable energy, and petrochemicals, emphasizing renewable initiatives like solar power plants and biofuel production.

Pertamina is committed to sustainable development, evidenced by environmental impact reduction measures and enhanced energy efficiency. The company champions social responsibility, supporting education and health initiatives. Serving a pivotal role in the national and regional energy sector, Pertamina significantly contributes to Indonesia's economic development and overall energy industry growth.

Jakarta, Indonesia.

CHALLENGE SUMMARY

Approximately 500 million households in Indonesia, particularly those in remote areas, do not have access to electricity. The country also struggles in managing Used Cooking Oil (UCO) which is a vital ingredient in clean energy production. Furthermore, in the context of the climate crisis, micro small and medium-sized enterprises (MSMEs) and local community.

TEAM MEMBERS

Muhammad Abassi Ali Bilhadj
28, CSR Officer, Department Corporate Secretary.

Herdiyanti Dwi Lestari
34, SME Partnership Program Officer,
Department Corporate Secretary.

Quranisya Ikhtiardani
32, Senior Officer Investor Information & Engagement,
Department Strategy & Investment.

Keishkara Hanandhita Putri
33, Global Relations & Investment, Department
Minister's Office (Secondment).

Champion

Juferson Victor Mangempis
VP Investor Relations.

SOLUTION DESCRIPTION

Indonesia Independent Energy Village (Desa Energi Berdikari Indonesia), a community empowerment program that provides access to New & Renewable Energy. Harnessing Pertamina's Pertashop outlets, Desa Energi Berdikari Indonesia offers fuel and LPG to areas that are not yet reached by the Pertamina gas station network. Additionally, UCO Champion Integration establishes centralized UCO collection points from 47 Desa Energi Berdikari Indonesia locations across Indonesia.



PT Riau Andalan Pulp and Paper (APRIL). Jakarta, Indonesia.

team 1 · team 1 · team 1 · team 1 · team 1 · team 1 · team 1 · team 1 · team 1 · team 1

30

COMPANY OVERVIEW

Asia Pacific Resources International Limited (APRIL) Group is one of the largest, most technologically advanced and efficient makers of pulp and paper products in the world. The pulp and paper mill located at Pangkalan Kerinci in Riau Province Indonesia is capable of producing up to 2.8 million tons of pulp and 1.15 million tons of paper per year. The products, including the flagship PaperOne™ office paper, are proudly marketed and sold in more than 70 countries around the world. The business is built on a Sustainable Forest Management Policy. The company operates on a 5C business philosophy: that its operations should be good for Community, Country, Climate and Customer, and only then will they be good for the Company.

APRIL2030 is the company's vision to meet the next decade's challenges, which consists of 4 commitments with 18 targets aligned with the Sustainable Development Goals.

CHALLENGE SUMMARY

The low level of literacy and numeracy in elementary school in Pangkalan Kerinci which reflects the same challenge for students in Indonesia. How to contribute to improve the education quality, especially for literacy and numeracy around Ring 1 APRIL operational areas?

TEAM MEMBERS

Michael Chang Wijaya
25, Personal Assistant, Department General Management Office.

Jenny Wijaya
26, BG CI Associate, Department Business Continuous Improvement.

Jayanti Primades
32, BG CI Facilitator, Department Business Continuous Improvement.

Oktavianna Lingga
36, Teacher, Sekolah Global Andalan.

Champion
Ratna Bunga
Business Group CI Champion.

SOLUTION DESCRIPTION

To improve the education quality in Ring 1 APRIL schools (focus on literacy and numeracy), with some of the innovative solutions is how to build a generation of learners and teachers. The team focuses on increasing the school ANBK score (ANBK = Asesmen Nasional Berbasis Komputer-Computer-Based National Assessment), especially for literacy and numeracy in seven schools that are located around Ring 1 APRIL operational areas. The team's target is to increase literacy score to 85% and numeracy score to 70% in those seven schools. In this innovation, the team is supported by the larger community including APRIL's employees through the Knowledge Stream program.

They also determine that there will be three essential aspects of school educational activities: students, teachers, and school principals. With this innovation, the team aims to construct a learning atmosphere in a fun environment by involving these students to become a generation of learners and teachers. Big-class students share their knowledge and attainments to become learning media for small classes and switch classes to their favorite classes, eventually creating a chain of knowledge in the school environment.



PT Riau Andalan Pulp and Paper (APRIL). Jakarta, Indonesia.

team 2 · team 2 · team 2 · team 2 · team 2

31

COMPANY OVERVIEW

Asia Pacific Resources International Limited (APRIL) Group is one of the largest, most technologically advanced and efficient makers of pulp and paper products in the world. The pulp and paper mill located at Pangkalan Kerinci in Riau Province Indonesia is capable of producing up to 2.8 million tons of pulp and 1.15 million tons of paper per year. The products, including the flagship PaperOne™ office paper, are proudly marketed and sold in more than 70 countries around the world. The business is built on a Sustainable Forest Management Policy. The company operates on a 5C business philosophy: that its operations should be good for Community, Country, Climate and Customer, and only then will they be good for the Company.

APRIL2030 is the company's vision to meet the next decade's challenges, which consists of 4 commitments with 18 targets aligned with the Sustainable Development Goals.

CHALLENGE SUMMARY

BAPPENAS and various institutions revealed Indonesia discards 23-48 million tons of food yearly (2000-2019), averaging 115-184 kg per person. Despite global food insecurity, Indonesia faces an annual economic loss of 213-551 trillion due to food waste. In 2022, APRIL's Riau Complex, housing 9,018 employees, wasted 1,197,150 kg of food (99,673 kg/month), translating to an average of 133 kg per person annually. This critical issue is prioritized, and the project aims for a 50% reduction in food waste by 2030, emphasizing the need for sustainable practices.

TEAM MEMBERS

Girvan Seveca Parinussa
25, Process Engineer, Department Waste Management.

Steven Anderson
25, Personal Assistant, Department Social Capital.

Muhammad Lucky Fajri
29, Laboratory Technician, Department Quality Assurance.

Vincent Tristan
30, Technical Engineer, Department Quality Assurance.

Champion
Maria Garcianni
Process Engineer.

SOLUTION DESCRIPTION

Using community-driven approach, APRIL will be able to reduce food waste in Riau Complex. APRIL's innovation has key features, such as replicability, collaboration and multi-layer approach. All food waste reduction initiatives and projects should be able to be replicated to other individuals and groups, promote collaboration between all stakeholders and multi-layer approach from bottom to top as grassroots movements are the key in reducing food waste.



PT Indah Kiat

Pulp and Paper Tbk

Jakarta, Indonesia.

32

COMPANY OVERVIEW

Asia Pulp & Paper (APP) Sinar Mas is the trade name of a pulp and paper manufacturing company that creates quality products and operates with respect for employees, communities and the environment. One of its factories, PT Indah Kiat Pulp & Paper Tbk (IKPP) is one of the largest paper packaging companies located in Serang, Banten Province, Indonesia.

IKPP is committed to sustainability and has implemented various measures to reduce its environmental impact, such as implementing sustainable forestry practices and improving energy efficiency. The company has also been involved in various community development initiatives, such as supporting education programs and providing employment opportunities for local residents.

Since its inception, IKPP Serang has realized the importance of community development and has run various programs for the community in Serang.

CHALLENGE SUMMARY

Solid waste generation increased in line with population growth. Unmanaged waste can result in creating extensive methane gas, increasing greenhouse gas emissions and other dangerous chemicals released into the environment. How to help communities manage waste and dispose of it in an environmentally safe way, and to make transporting waste to local landfill or waste transfer stations more efficient?

TEAM MEMBERS

Syamsul Rijal
36, Supervisor Public Affairs, Department Public Affairs.

Andre Aldrin
Social Compliance Specialist, Department Sustainability Compliance & Stakeholders Engagement.

Dina Ferydsa Verdiana
34, Dashboard Management Specialist, Department Sustainability Compliance & Stakeholders Engagement.

Agustinus Rheza
33, Sustainability Engagement Specialist, Department Sustainability Compliance & Stakeholders Engagement.

Champion
Sera Noviany
Sustainability Compliance Head.

SOLUTION DESCRIPTION

IKPP Serang, in collaboration with Bank Sampah Digital (BSD), initiated a program in surrounding communities to collect and sell waste, managing household waste while generating additional income. The SDGI program introduced a digital-based waste collector system, accessible through digital applications, promoting wider participation and waste variety, embodying the Circular Economy for mutual benefits.



SDG

PT Kilang

Pertamina Internasional.

Jakarta, Indonesia.

33

COMPANY OVERVIEW

PT Kilang Pertamina Internasional (PT KPI) is a subsidiary of PT Pertamina (Persero), the state-owned oil and gas company of Indonesia. KPI is primarily engaged in the refining and petrochemical business, with a focus on producing high-quality fuels and other petroleum-based products. In addition to its refining operations, KPI is also involved in the marketing and distribution of its products, both domestically and internationally. The company has a network of fuel stations across Indonesia and exports its products to various countries in Asia and the Middle East. KPI is committed to sustainable development and has implemented various measures to reduce its environmental impact, such as improving energy efficiency and reducing emissions. The company is also focused on promoting the development of local communities where it operates, through various social and community development programs. Overall, KPI plays an important role in the Indonesian and regional energy sector, providing high-quality petroleum products and contributing to the economic development of the countries where it operates.

CHALLENGE SUMMARY

A majority of people in Indonesia live in rural areas, and around 4400 villages have limited access to energy/electricity. How to provide renewable energy and access to electricity to communities who live in remote and underdeveloped areas and jumpstart their economic growth?

TEAM MEMBERS


Yoga Pratama
28, Jr. Assistant I CSR & SMEPP Management,
Department Corporate Secretary.

Dian Kuswardani
35, Jr. Officer CSR & SMEPP Management,
Department CSR & SMEPP Management.

Widya Kartika
34, Officer II CSR & SMEPP Management,
Department Corporate Secretary.

Ferdy Saputra
34, Officer CSR & SMEPP Management,
Department CSR & SMEPP Management.

Champion
Hermansyah Y Nasroen
Corporate Secretary.

 [linkedin.com/pt-kilang-pertamina-internasional](https://www.linkedin.com/company/pt-kilang-pertamina-internasional)

SOLUTION DESCRIPTION

With Clean Energy For Life, PT KPI provides electricity to isolated rural communities using renewable energy, paving the way towards a future where clean energy is accessible to all. By providing energy for underprivileged communities in isolated areas, the team hopes to help improve their economy, thus contributing to SDG target number one, poverty alleviation. The projected results of the innovations aim to generate a sense of responsibility and belonging from local residents, supporting program sustainability.



Perumda

Pembangunan Sarana Jaya. Jakarta, Indonesia.

34

COMPANY OVERVIEW

Perumda Pembangunan Sarana Jaya is a regional government-owned enterprise in Jakarta, that is responsible for managing and developing public facilities and infrastructure in the city. Sarana Jaya was established in 2002 and is wholly owned by the DKI Jakarta provincial government. Sarana Jaya's main focus includes urban development, transportation, water management and waste management.

The company is involved in a range of projects, from building roads and bridges to constructing public parks and managing Jakarta's public transportation system. Sarana Jaya is committed to reducing carbon emissions and promoting green practices in its operations. The company has also been involved in various community development initiatives, such as supporting education programs and providing employment opportunities for local residents. Sarana Jaya plays an important role in the development and management of public facilities and infrastructure in Jakarta, helping to improve the quality of life for residents of the city.

CHALLENGE SUMMARY

Jakarta generates around 7.700 tons of waste per day to be dumped at Bantar Gebang landfill which has almost reached its full capacity. Despite this urgent situation, the residents of Jakarta's awareness and participation in proper waste management is still minimal. How to improve waste management of Jakarta and educate the residents on waste and its link to health and well-being?

TEAM MEMBERS


Uswatun Hasanah
Supervisor, Department Corporate Secretary Unit.

Yosua Vincencius Harefa
31, Staff Strategic Business Unit
Intermediate Treatment Facility, SBU ITF.

Rayhan Hadi
28, Supervisor Planning and Construction Unit, SBU SJUT.

Nugroho Syarif Setiawan
26, SBU ITF Staff, Department Planning and Construction Unit.

Champion
Rr Sri Yulianita Rianti
Corporate Secretary Assistant Manager.

 [linkedin.com/perumda-pembangunan-sarana-jaya](https://www.linkedin.com/perumda-pembangunan-sarana-jaya)

SOLUTION DESCRIPTION

Implementation of waste management at the source by optimizing the Bank Sampah (Waste Bank) Program at the Menara Samawa Residential place, which is expected to become a pilot project for other residences similarly built by Sarana Pembangunan Sarana Jaya. This waste bank program aims not only to overcome the waste problem, which supports sustainability and the environment, but also has the potential to generate economic value from reusing waste. The program is currently being tried out at Samawa Tower residential place, which seeks the active participation of its residents, with the objective of improving its waste management practices. The Sarana Jaya team has planned a series of activities including awareness raising events for residents of Samawa Tower to encourage them to join the waste bank as its members, also surveying the location of waste disposal at Samawa Tower, as well as training residents in good waste management practices.



PT Amartha Mikro

Fintek.

Jakarta, Indonesia.

SOLUTION DESCRIPTION

As the Sustainable Digital Transformation for Grassroots Entrepreneurs initiative aimed for Desa Ramah Perempuan dan Anak (Women and Children Friendly Village), Amartha will provide training and financial education for borrowers, and launch a scholarship program for their children.



1 NO POVERTY



8 DECENT WORK AND ECONOMIC GROWTH



10 REDUCED INEQUALITIES



COMPANY OVERVIEW

PT Amartha Mikro Fintek (Amartha) is a financial technology (fintech) company based in Indonesia that operates a peer-to-peer (P2P) lending platform. Founded in 2010, Amartha aims to provide access to affordable and responsible financial services for underserved communities, particularly women in rural areas.

Amartha's P2P lending platform connects borrowers with investors, providing access to credit for micro-entrepreneurs who might not have been able to secure loans through traditional financial institutions. The company uses a data-driven approach to assess creditworthiness, combining machine learning algorithms with human expertise to evaluate borrowers' risk.

CHALLENGE SUMMARY

Over-indebtedness within microfinance borrowers (who are mostly female micro and small-medium entrepreneurs) remains a problem even as their businesses grow. How to reduce over-indebtedness among microfinance borrowers who are mainly MSMEs?

TEAM MEMBERS

Fachruriza Mubarak

27, Sustainability Analyst, Department Impact & Sustainability.

Nistria Harsolumakso

33, Sustainability Researcher Lead, Department Impact & Sustainability.

Kasimirus Johan

25, Sustainability Researcher, Department Impact & Sustainability.

Champion

Katrina Inandia

Head of Impact and Sustainability.

PT Freeport Indonesia

36

COMPANY OVERVIEW

PT Freeport Indonesia (PTFI) is a mineral mining company affiliated with Freeport-McMoRan (FCX) and MIND ID Indonesia's Mining Industry. PTFI mines and processes ores, producing concentrates containing copper, gold, and silver. The company markets these concentrates all over the world, mainly to domestic copper smelters like PT Smelting. The company's operations are located in the remote highlands of the Sudirman Mountain Range in Mimika Regency, Papua Province, Indonesia.

PTFI has implemented various initiatives to minimize the environmental impact of its operations, including reforestation programs and waste management practices. PTFI also invests in social and community development programs, such as education and health initiatives, infrastructure development, and support for local businesses. PTFI plays a key role in Indonesia's mining industry while also ensuring the environmental sustainability of its operations.

Jakarta, Indonesia.

CHALLENGE SUMMARY

Female micro and small-medium entrepreneurs encounter challenges when seeking credit from banks and other financial institutions due to their lack of collateral and limited access to banking information. How to enhance access to credit for female micro and small-medium entrepreneurs?

TEAM MEMBERS

Muhammad Al Bashir

35, Chief Responsible Production Frameworks, Department Sustainable Development PTFI Smelter.

Rihensky Warren Ap.

29, Grievance Officer, Department Community Social Responsibility.

Sefnat Malo Rumboirusi

31, Officer Human Rights Compliance-HL, Department Community Social Responsibility.

Randi Hardinata

32, Officer Research & Development #1, Department Community Social Responsibility.

Champion

Rio Kurniawan

Environmental Lead.

SOLUTION DESCRIPTION

By establishing a Digital Financial Platform designed specifically for female micro and small-medium entrepreneurs, PTFI team aims to improve their access to credit without the need for collateral. Additionally, this platform will provide valuable knowledge and information about digital finance.

Through digital funding, it is hoped that local residents, especially women, will no longer face difficulties starting businesses due to a lack of capital, and that local entrepreneurs, especially women entrepreneurs, will be able to access funding more easily.



PT Industri Jamu Dan Farmasi Sido Muncul Tbk. Semarang, Indonesia.

37

COMPANY OVERVIEW

PT Industri Jamu Dan Farmasi Sido Muncul Tbk (Sido Muncul) is a traditional Indonesian herbal medicine company that produces and markets a wide range of herbal products. Sido Muncul has expanded its product range to include a variety of herbal supplements, cosmetics, and personal care products. The company uses traditional Indonesian medicinal plants, such as ginger, turmeric, and ginseng, as the main ingredients in their products.

Sido Muncul is known for its commitment to quality and innovation. The company has received several awards for its products and has been recognized for its contributions to the development of the Indonesian herbal medicine industry. In addition to its business activities, Sido Muncul is also involved in various corporate social responsibility programs, such as providing scholarships and supporting environmental conservation efforts.

CHALLENGE SUMMARY

Extreme weather driven by climate change impacts the supply of raw materials, leading to failed harvests, which often result in unsustainable prices and lower economic gains for farmers. This dynamic, in turn, discourages young people from considering farming as a career choice, potentially leading to a national issue if future generations of farmers do not emerge. How to manage the harvest of key crops amidst extreme weather, encourage young people to consider becoming farmers, and improve the knowledge and skills of farmers?

TEAM MEMBERS

Ramos Auliakani

31, Technical Supervisor, Department Technical.

Ribka Lydia Atedjadi

35, Assistant Manager, Department Corporate Secretary & Corporate Legal.

Monika Anggun Jatmika Sari

32, Community Development Officer, Department Community Development.

Nurul Ardian Fitriyani

26, Environment Team, Department Community Development.

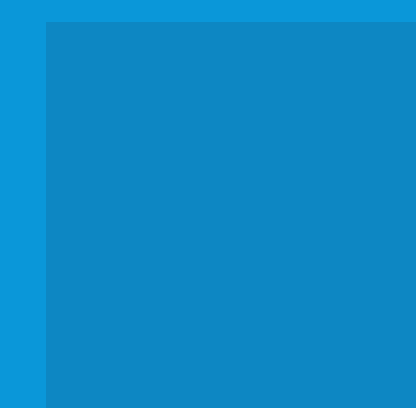
Champion

Tiur Simamora

Corporate Secretary & Corporate Legal.

SOLUTION DESCRIPTION

Establish eco-friendly homes powered by micro-hydro, aid chemical-reducing cultivation, offer agroforestry education, motivate youth in farming, train in machine upkeep, cardamom farming, and bio-pesticide creation, develop post-harvest tech, embrace circular economy, partner with educational institutions, local authorities, and BRIN for sustainable development.



sidomuncul

PT Kalbe Farma Tbk

38

COMPANY OVERVIEW

PT Kalbe Farma Tbk (Kalbe) is a pharmaceutical company based in Indonesia. The company was founded in 1966 and is headquartered in Jakarta, Indonesia. Kalbe Farma produces a wide range of pharmaceutical products, including prescription drugs, over-the-counter medicines, and consumer health products such as vitamins, supplements, and skincare products. The company also produces medical devices and diagnostic tools.

The company has implemented several environmental and social programs to reduce its environmental impact and promote social development in the communities where it operates. Kalbe Farma also participates in initiatives to improve access to healthcare and enhance the quality of life for people in Indonesia and beyond.

Jakarta, Indonesia.

CHALLENGE SUMMARY

Indonesia has 22.5 million people with disabilities who have limited access to education. Only 2.8% of people with disabilities have graduated from higher education. Those with a low level of education will have limited career options, which in turn will affect their economic status. How to enhance the education and skill development of individuals with disabilities, improve workplace accessibility, and raise awareness on disability inclusion?

TEAM MEMBERS

Aurellia Michelle
23, HR Officer, Department Corporate Human Resources.

Kevin Christopher Manoy
27, Sustainability Officer, Department Corporate Sustainability.

Champion
Abi Nisaka
Sustainability Senior Manager

SOLUTION DESCRIPTION

The Kalbe team aims to build an inclusive workplace by educating employees on inclusivity, implementing inclusive policies, and ensuring accessibility in all their facilities for individuals with disabilities. Additionally, Kalbe actively supports people with disabilities in contributing to the growth of the red ginger farming ecosystem across Indonesia.



PT Pabrik Kertas

39

Tjiwi Kimia Tbk Jakarta, Indonesia.

COMPANY OVERVIEW

PT Pabrik Kertas Tjiwi Kimia Tbk is a paper and packaging manufacturing company based in Indonesia. The company was founded in 1972 and is part of the Sinar Mas Group, which is committed to sustainability and has implemented various measures to reduce its environmental impact, such as implementing sustainable forestry practices and improving energy efficiency. The company has also been involved in various community development initiatives, such as supporting education programs and providing employment opportunities for local residents.

In addition to its business activities, Tjiwi Kimia is also involved in various social and environmental initiatives through its corporate social responsibility programs. This is shown through their reforestation efforts, health and education programs.

CHALLENGE SUMMARY

Climate change is the most pressing challenge that demands immediate action to reduce carbon emissions and transition to renewable energy sources. Additionally, the cost of fossil-fuel-based energy is increasing. As a paper producer, Tjiwi Kimia requires a significant energy supply. Transitioning to affordable renewable energy requires adequate preparation. How to transition to renewable energy for Tjiwi Kimia operations?

TEAM MEMBERS

Kukuh Andi Wijaya
25, Water Treatment Manager, Department Water Treatment.

Muhammad Firmansyah Pratama
26, Chemical Production Specialist, Department NaOH Production.

Isaac Jonathan
36, Sustainability Compliance Specialist, Department Sustainability.

Merlynana Sutanto
28, Sustainability Compliance Manager, Department Sustainability.

Champion

Tien Johana
Sustainability Division Head.

SOLUTION DESCRIPTION

The "Installation of Solar Power Generators (SPG) on Rooftops" program incorporates solar generators into buildings across Tjiwi Kimia's operational area in Mojokerto, Central Java. Recognizing the pressing challenge of climate change, the team emphasizes the urgency of reducing carbon emissions and transitioning to renewable energy sources. Thus, the team focuses on implementing the "Installation of Solar Power Generators (SPG) on Rooftops" program, testing solar power usage on buildings within the company's operational site in Mojokerto, Central Java.



7 AFFORDABLE AND
CLEAN ENERGY



PT Pertamina

Hulu Energi.

Jakarta, Indonesia.

40

COMPANY OVERVIEW

PT Pertamina Hulu Energi (PHE) is a subsidiary of PT Pertamina (Persero), the state-owned oil and gas company in Indonesia. PHE is responsible for managing and operating upstream oil and gas activities, which include exploration, drilling, production, and development of oil and gas fields.

PHE operates in various regions across Indonesia, including Sumatra, Java, Kalimantan, Sulawesi, and Papua. PHE has implemented various initiatives to minimize the environmental impact of its operations. In addition, PHE is involved in various social and community development programs, such as education and health initiatives, supporting local businesses, and infrastructure development.

CHALLENGE SUMMARY

Many existing community programs concentrate on serving their regular consumers and achieving their individual outcomes. However, there exists untapped potential for amplified effects through synergy between programs. How to synergize multiple programs to enhance their multiplier impacts?

TEAM MEMBERS

Hesty Apriani

34, Offices Social Corporate Responsibility, Department Corporate Secretary.

Mira Tyas Annisa

33, Sr Officer Communication, Relations & CID, Department Communication, Relations & CID.

Turjasari

35, Sr Officer Ext Comm & Stakeholder Relations, Department Corporate Secretary.

Wahyu Irfan

36, Sr Officer Corporate Social Responsibility, Department Corporate Secretary.

Champion

Elvina Winda Sagala

Manager of Corporate Social Responsibility.

 [linkedin.com/phepertamina](https://www.linkedin.com/company/phepertamina)

SOLUTION DESCRIPTION

The program, titled “Energizing the Integrated Upstream Community” (ENTITY) innovation which integrates partner programs with the SIPOC methodology, forms institutional committees for sustainability governance and creates digital marketing platforms. “ENTITY” is a concept to connect community groups from various backgrounds with existing problems and potentials, and to create a sustainable and self-sufficient economy. With ENTITY, program areas such as education, economy, environment and health can be integrated. The PHE team also sees that these various CSR programs can be more synergized and empowered with the work system that they have been using in their workplace.



PT Rajawali Corpora

Jakarta, Indonesia.

41

COMPANY OVERVIEW

PT Rajawali Corpora is an Indonesian investment company that operates in various industries, including agriculture, infrastructure, real estate, and mining. The company focuses on sustainability and social responsibility, with a commitment to supporting the communities where it operates. It has been involved in various social and environmental initiatives, such as supporting education programs and implementing sustainable practices in its operations.

Rajawali Corpora is one of the largest investment companies in Indonesia, with a diverse portfolio of investments and a strong commitment to sustainability and social responsibility.

CHALLENGE SUMMARY

Climate change leads to increased frequency and intensity of extreme weather events that can directly impact business operations.

How to help educate people about climate change and the importance of taking action to mitigate the climate crisis?

TEAM MEMBERS

Satrio Anindito

35, Manager, Department Commissioner Office.

Ratna Juwita Ambar Sari Widodo

35, IT Project Management, Department Information & Technology.

Imam Wahyu Ramadhan

35, Manager, Legal, Department Legal.

Michael Steven

35, Assistant Manager.

Champion

Roy Iman Wirahardja

Director, Compliance and Governance.

SOLUTION DESCRIPTION

"Climate Action Digital Education" is a web-based platform designed to educate individuals about climate change. Initially intended for internal and local community use, it will expand to the public in the future. Beyond raising awareness about climate change impacts, the platform also advocates for environmental sustainability across all business operations. By providing access to information and resources, it empowers users to actively contribute to climate change mitigation efforts.



4 QUALITY EDUCATION



13 CLIMATE ACTION



PT TBS Energi Utama Tbk Jakarta, Indonesia

42

COMPANY OVERVIEW

PT TBS Energi Utama Tbk ("TBS") embodies a sustainable business transformation that originated in mining and expanded into the energy sector, encompassing renewables and electric vehicles. This shift aligns with the growing importance of sustainability for profitability, enabling TBS to contribute significantly to the country. The company has refined its focus on developing green businesses and clean energy, reinvesting cash flows from fossil fuels into innovative projects across Indonesia. TBS continues seeking opportunities in the renewable energy and electric vehicle sectors through project reviews and asset acquisitions.

In the electricity sector, TBS concentrates on clean and renewable energy power plants, emphasizing hydropower, wind turbines, solar panels, and related businesses. Notably, in 2021, TBS advanced its collaboration for an electric motorcycle ecosystem with competent and committed strategic partners. Equipped with technological innovations and renewable energy projects, TBS is poised to play a pivotal role in Indonesia's future energy transition.

CHALLENGE SUMMARY

Many communities in Indonesia do not have access to basic services. Ponu, a village which is located in Nusa Tenggara Timur (NTT) is the 3rd poorest province in Indonesia and also has a low electrification rate.

How to provide renewable energy in Ponu and help the communities gain livelihood from the project as well?

TEAM MEMBERS

Alvin Sehonamin
27, Sustainability Communications,
Department Sustainability.

Alvin Novalino
33, Internal Audit & Risk Management,
Department Internal Audit & Risk Management.

Champion
Triana Krisandini
Sustainability Advisor.

SOLUTION DESCRIPTION

The plan to implement a 5 MW Biomass Power Plant in Ponu will bring renewable energy and provide job opportunities to local communities. Beyond providing clean energy, the project addresses the pressing issue of poverty in Ponu. As the 3rd poorest province in Indonesia, NTT faces significant poverty and low electrification rate. To create a positive economic impact, the team involves Ponu villagers in various aspects of the project, such as planting and selling Gamal trees for the biomass power plant. Additionally, the distribution of fertilizer derived from the Biomass Power Plant residue enhances agricultural productivity and economic growth.

The project introduces two revenue streams to TBS. Firstly, selling electricity to PLN provides a primary revenue source, while the innovative carbon credit trading mechanism capitalizes on the carbon credit generated from biochar-based fertilizer use.



amarta
solutions

PT Transkon Jaya Tbk

43

COMPANY OVERVIEW

PT Transkon Jaya Tbk is a transportation and logistics company based in Kalimantan, Indonesia. In addition to its transportation and logistics services, Transkon Jaya is also committed to corporate social responsibility and has implemented various initiatives to support environmental sustainability and community development. The company has been involved in various community development projects, such as building schools and supporting education programs. Transkon Jaya plays an important role in the Indonesian transportation and logistics industry, providing high-quality services and contributing to the economic development of the country.

Balikpapan, Indonesia.

CHALLENGE SUMMARY

The quality of several aspects in the area around the designated new capital city of Indonesia is still low, including the level of education (mismatch between the curriculum in vocational schools and the industry requirement), MSMEs requiring assistance, and the environment. How to provide assistance to vocational schools in Kalimantan to improve the students' skills and their career prospects, also to MSMEs, and doing something for the environment?

TEAM MEMBERS

Annastintatia Polii
29, Head Corporate Affairs, Department Corporate Affairs.

Endang Sepriani Simangunsong
27, Corporate Planning & Analyst, Department Corporate Affairs.

Eva Triani
26, Head Corporate Legal Compliance, Department Corporate Affairs.

Geraldine Simanjuntak
25, Head Corporate Communication, Department Corporate Affairs.

Champion
R Alexander Syauta
Corporate Secretary - Chief Financial Officer.

 [linkedin.com/transkon-jaya-pt](https://www.linkedin.com/company/transkon-jaya-pt)

SOLUTION DESCRIPTION

The company contributes directly to improving the quality of education, economy and environment in the area around the New Capital City (IKN) by conducting CSR programs in these three areas. Few of the programs are aligning the suitability of the curriculum in vocational schools with the job market, providing training to MSMEs, and planting thousands of trees.



44



Malaysia and Brunei



Bait Al Amanah

House of Trust.

Kuala Lumpur, Malaysia.

45

COMPANY OVERVIEW

Bait Al Amanah is an independent research institute that promotes policy and decision-making through sound, independent and multidisciplinary analysis in governance and democracy, economics, security, and issues of national importance. At Bait Al Amanah, sustainability is not just a concept; it's a commitment ingrained in our research ethos. Through rigorous analysis and dedication to the greater good, we aim to play a pivotal role in creating a sustainable and equitable future for all.

CHALLENGE SUMMARY

The think tank's mission is to conduct comprehensive research and help improve national policy and decision-making. However, the effective integration of Sustainable Development Goals (SDGs) into research and advocacy projects are hindered by the absence of guideline and prioritization of SDGs within the organisation. The lack of framework poses a challenge in aligning the think tank's work with the global sustainability agenda and maximizing its impact on sustainable development initiatives.

TEAM MEMBERS

Karisma Putera Bin Abd Rahman
24, Research and Advocacy Analyst.

Farah Ilyana Binti Mohd Anuar
25, Research and Advocacy Analyst.

Champion

Abel Benjamin Lin
Head of Economics and Public Policy,
Sustainability Coordinator.

SOLUTION DESCRIPTION

We're dedicated to the genuine integration of the SDGs into our research and advocacy projects from the ground up. Our solution outlines the integration and importance of SDG 17 into research planning and fostering collaboration among stakeholders and the general public for impactful sustainability. Our mission is to align the Malaysian think tank space with the SDGs and amplify our combined effort on sustainable development.



16 PEACE, JUSTICE
AND STRONG
INSTITUTIONS



17 PARTNERSHIPS
FOR THE GOALS



Nutrition

Technologies Sdn Bhd. Johor, Malaysia.

· team 1 · team 1 · team 1 ·

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COMPANY OVERVIEW

Nutrition Technologies is a pioneering biotechnology company focused on sustainable food solutions using insect-based products. Through innovative technologies, we rear black soldier fly to convert organic waste into high-quality protein for animal feed and high value biofertilizer from frass. Our mission centers on addressing global food security challenges by producing an eco-friendly protein source that reduces reliance on traditional feedstocks like soy and fishmeal. We also manufacture organic fertiliser that help restore soil health & productivity whilst sequestering carbon back into the soil. By harnessing insects' natural capabilities to upcycle waste, Nutrition Technologies aims to revolutionize the agri-food industry, promoting a circular economy and reducing environmental impact. Our commitment to sustainability extends to creating partnerships across sectors to scale their technology globally. With a strong emphasis on research and development, NT strives to continually enhance its processes, contributing to a more sustainable and efficient food production system for a healthier planet.

CHALLENGE SUMMARY

Nutrition Technologies Sdn Bhd is committed to sustainable practices, converting agricultural waste into valuable products and efficiently recycling 150m of wastewater from BSF processing. A challenge emerges with the "SLUDGE," classified as scheduled waste, carrying potential environmental risks. Monthly disposal costs of RM 2.80 per kilogram contradict our zero-waste approach, impacting sustainability goals. Actively seeking innovative solutions to manage the sludge aligns our practices with efficient sludge management for environmental stewardship and a greener future.

TEAM MEMBERS

Davis Fundi Ileri
31, R&D Bioconversion Manager and Sourcing Lead.

Punitawathy A/P Palanisamy
31, Product Technical Specialist.

Nur Faradiyahana Binti Zakaria
26, QA/ QC Executive.

Darshanram Raguram
26, Site Mechanical Engineer.

Champion
Sooridarsan Krishnan
Feed Safety & Regulatory Affairs Manager.

SOLUTION DESCRIPTION

The idea is to change waste into value-added products to achieve zero-waste commitment. The waste produced after wastewater treatment is called sludge. We studied the content of the sludge and analyzed it for suitable applications. Based on the analysis, we identified the sludge rich in micronutrients, C: ratio and organic matter. The innovative solution that we found is to turn the sludge as an ingredient for fertilizer production to improve the quality of fertilizer in practice.



13 CLIMATE ACTION



SDG 13 CLIMATE ACTION

Nutrition

Technologies Sdn Bhd. Johor, Malaysia.

· team 2 · team 2 · team 2 · team 2 ·

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COMPANY OVERVIEW

Nutrition Technologies Sdn. Bhd. manufacture protein, oil, and organic fertilizer from Black Soldier Fly larvae for a greener and healthier Malaysia. Our mission is to produce high-quality insect products at scale and pioneer new biotechnologies that enable more renewable forms of agriculture. Nutrition Technologies' commitment to sustainability was aligning with and measuring by own against, the relevant UN SDGs through a circular economy process. The one process provided multiple impacts such as waste management by diverting thousands of waste from landfills each year. Second, saving fish by producing insect meals. Third, returning nutrients to the soil and enhancing carbon sequestration through insect frass. Fourth, saving the rainforest by reducing the need for land to produce animal feed ingredients. Additionally, Nutrient Technologies is adopting the 10 principles of sustainable development alongside our ambition of reducing the impact on oceans and forests for the production of animal feed.

CHALLENGE SUMMARY

Widespread plastic jumbo bag usage poses dual challenges: environmental concerns due to non-biodegradability and financial burdens in production, disposal, and compliance. Reevaluating their role is crucial, necessitating a holistic approach for eco-friendly alternatives and long-term cost-effectiveness. Nutrition Technologies and other companies recognize the need to adopt sustainable practices for a balanced environmental-economic approach in production.

TEAM MEMBERS

Jaganath Puvanen Thiran
29, Research Scientist.

Thu Nguyen
28, Production Manager.

Nurul Syuhada Ahmad Tajodin
35, Human Resources Manager.

Mohamad Zamzam Mansor
32, SCM Executive.

Champion

Nick Piggott
Founder & Co- CEO.

SOLUTION DESCRIPTION

SUSTAINABILITY TRIUMPH: 'RECYCLE, REDUCE, REUSE JUMBO BAGS' FOSTERS COST-EFFECTIVE, ECO-FRIENDLY SOLUTIONS, PAVING THE WAY FOR FUTURE COLLABORATIONS.

For a start-up company, investing money to solve a problem is a big challenge and not sustainable. Furthermore, an immediate zero-waste approach to solve a problem was impractical. Thus, "Recycling, Reducing, and Reusing Jumbo Bags" will be the best solution for our challenge. It was successfully developed and implemented in our system with our targeted customers through a prototype called experiment. The prototype aids the initiative and nurtures sustainability in this process. We triumphantly turned our challenge into an opportunity to incorporate sustainability into our business. A drastic reduction in plastic jumbo bag usage brought a positive output favoring environmental safety. Moreover, it saved expenses for both parties through this solution without harming the product quality because we practiced proper protocols and shelflife of the recycle bags. The current approach also opens new milestones for us to collaborate with third parties to move forward with zero-waste generation in the future.



48



Mexico



Jaguar Holding

S.A.P.I of C.V.

Mexico City, Mexico.

49

COMPANY OVERVIEW

Jaguar Holding S.A.P.I of C.V, referred to as “Jaguar E&P or Jaguar” is a Mexican company established in 2015 by Topaz Group, which is engaged in the exploration and development of hydrocarbons in Mexico, particularly focus on natural gas. Jaguar has a diversified portfolio for exploration, development, and onshore production. The company is actively working on the development of infrastructure to connect its production to the main natural gas pipeline grid. Our purpose: Building a brighter future for Mexico through natural gas. We create value and drive social, environmental, and human development by responsibly and efficiently operating the acreage entrusted to us. Our operations seek to promote sustainable development and bring lasting improvements to the quality of life of the communities where we live and work.

CHALLENGE SUMMARY

Despite being crucial for Mexico's development, the energy industry faces challenges, notably gender inequality. Closing economic and social gaps is vital for a more equitable economy. Globally, women's participation in the oil and gas sector is under 22%, and in Mexico, it's 40% lower than other industries, with only 10% women. Our company exceeds averages with 28% female employees, yet we recognize the need for a comprehensive strategy to boost women's presence in the oil and gas industry.

TEAM MEMBERS

Alejandra Bahena Iturralde
31, Senior Risk Management Specialist.

Isabel Cristina Vargas Vásquez
35, Buyer Sr.

Humberto Echavarría Guzmán
34, Environment Specialist.

Luis Donaldo González Cornejo
26, Operator Assistant.

Champion

Laura Mariana Esquivel
Sustainability Manager.

SOLUTION DESCRIPTION

Encourage young women in the energy industry through four strategic phases. Phase one targets girls aged 6 to 12, introducing "Energy City" for fun science and energy activities. Phase two engages girls aged 12 to 17 with virtual experiences and games showcasing energy careers. The third phase establishes academic programs in energy-related sciences at universities, aiming to improve studying conditions and eliminate gender prejudices. The final phase focuses on professional growth for women already in the industry, strengthening leadership skills and addressing specific needs to empower them as decision-makers.



5 GENDER EQUALITY



Sempre

Infraestructura.

Mexico City, Mexico.

50

COMPANY OVERVIEW

Sempre Infraestructura's vision is to contribute energy for a better world. Through the combined strength of its North American assets, the company is focused on facilitating the global energy transition. Its more than 2,300 collaborators develop, build and operate energy infrastructure that is expected to play a crucial role in the energy systems of the future, while prioritizing sustainability, innovation, world-class security, empowering people, resilient operations and social responsibility.

CHALLENGE SUMMARY

The challenge revolves around combating energy poverty in isolated communities and mitigating the waste generated by the solar panel industry.

TEAM MEMBERS

Maria Arguelles Gonzalez
32, Supervisora de Desarrollo.

Alexis Emmanuel Vargas Alvarez
30, Técnico Instrumentista.

Ludwig Van Bedolla Tapia
33, Gerente de Asuntos de Industria.

Champion

Maritza Lopez Jimenez
Gerente Sr. Servicios Técnicos.

SOLUTION DESCRIPTION

The solution is to improve access to sustainable and affordable electricity to vulnerable communities that are isolated from the electricity grid to improve their quality of life through a circular economy model. By tracking progress and adapting to the community needs, the solution aims to incentivize the care for solar panels and so when the time comes, outdated panels will be replaced and recycled after giving them a second life.



Grupo Xcaret

Cancun and Riviera Maya, Mexico.

51

COMPANY OVERVIEW

We are a 100% Mexican business group and a leader in sustainable tourist recreation. We create unique and sustainable experiences, inspired by our deep love for Mexico, culture and life. Our businesses include parks, tours, hotels and other support units. Our business model is based on ethics, respect for human dignity, commitment to biodiversity and the creation of shared value and prosperity in the communities where we operate.

TEAM MEMBERS

Stephanie Bolan Sorchini
33, Sustainability Executive.

Brenda Olivares Banderas
35, Sustainability Coordinator.

Champion

Miriam Alonso
Corporate Sustainability Deputy Director.

CHALLENGE SUMMARY

Ensure that people over 65 years old can have accessible, safe and satisfactory tourist activities, combating stereotypes, discrimination and contributing to guaranteeing the right to universal tourism.

SOLUTION DESCRIPTION

The solution is around the use of technology and real-time data management to create a mobile device that allows monitoring vital signs of adults over 65 years of age, send alerts to a control panel that allows minimizing risks to the health of travelers and maintain a preventative approach. Likewise, serve as an intelligent assistant to provide information to the traveler linked to their interests and send reports to their family members remotely.



52

Norway



Equinor

Stavanger, Norway.

· team 1 · team 1 · team 1 ·

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COMPANY OVERVIEW

Equinor is an energy company, the largest oil and gas operator in Norway, one of the world's largest offshore operators, and a growing force in renewables and low carbon solutions. Present in around 30 countries with approximately 22,000 employees, we provide reliable energy for societies worldwide and aim to be a leading company in the energy transition with the ambition to become a net-zero company by 2050. To us, sustainability is at the core of everything we do. Our journey to develop as a broad energy company is founded on a strong commitment to sustainability, and our strategy – always safe, high value and low carbon – is applied in everything we do.

CHALLENGE SUMMARY

World's resource extraction and processing contribute to 50% of GHG emissions and 90% of biodiversity loss. Projected 2050 waste generation could fill NYC. Shifting to a circular economy offers a just transition. Equinor's 17.2 billion USD annual procurement spend, 5x Norway's 2023 healthcare budget, involves 8,000+ suppliers. Prioritizing reduced consumption, increased reuse, and recycling fosters innovation, cuts costs, lowers GHG emissions, and ensures regulatory compliance.

TEAM MEMBERS

Sigri Aas Anda
29, Senior Engineer Sustainability.

Tekena Jim-George
25, Subsea Engineer.

Milou Slaman
29, Senior Engineer Renewables.

Ingrid Eileen Stevens
27, Negotiator Renewable Products.

Champions

Per Sandberg
Sr. Advisor Market and Business Development.

Lena Aarhus
Manager Sustainability.

Vibeke Randgaard Talstad
Leader Safety and Sustainability.

SOLUTION DESCRIPTION

We've developed a circular economy framework specifically for Equinor's procurement to scale up circular practices. This toolkit educates procurement officers, ensuring they grasp roles and responsibilities in adopting circular methods. It provides a comprehensive guide on integrating circular principles into procurement processes, including a supplier questionnaire and a summarizing checklist. In essence, it empowers procurers to pose the right questions to suppliers, fostering innovation and circular solutions.



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



Equinor

Stavanger, Norway.

· team 2 · team 2 · team 2 ·

54

COMPANY OVERVIEW

Equinor is an energy company, the largest oil and gas operator in Norway, one of the world's largest offshore operators, and a growing force in renewables and low carbon solutions. Present in around 30 countries with approximately 22,000 employees, we provide reliable energy for societies worldwide and aim to be a leading company in the energy transition with the ambition to become a net-zero company by 2050. To us, sustainability is at the core of everything we do. Our journey to develop as a broad energy company is founded on a strong commitment to sustainability, and our strategy – always safe, high value and low carbon – is applied in everything we do.

CHALLENGE SUMMARY

The team identified that Equinor's approach to social investment has room for improvement in several aspects. For example, there is a lack of unified strategic direction for social investment. In addition, the organizational structure supporting the efforts should be strengthened.

TEAM MEMBERS

Filip Magnussen Sarfi
29, Environmental Engineer.

Laura Sipilä
28, Senior Accountant.

Ida Bernhardsen
33, Principal Engineer.

Dimitrios Kostopoulos
33, Principal Consultant.

Champions

Per Sandberg
Sr. Advisor Market and Business Development.

Lena Aarhus
Manager Sustainability.

Vibeke Randgaard Talstad
Leader Safety and Sustainability.

SOLUTION DESCRIPTION

The team proposed a new social investment approach to enhance Equinor's efficiency and impact, focusing on SDG 7 (Affordable and Clean Energy). Recommendations include empowering country offices engaged in social investments, expanding venture activities to include socially impactful investments, and assessing the feasibility of establishing a foundation. These initiatives aim to streamline Equinor's social investment efforts, ensuring alignment with its mission for greater impact.



7 AFFORDABLE AND CLEAN ENERGY



Select Service

Partner AS (SSP Norway). Gardermoen, Norway.

55

COMPANY OVERVIEW

SSP is a global food and beverage operator serving travelers at airports, railways, motorways, and shopping centers. Our expertise is built up through many years of experience, where we have become specialists in combining global trends with a distinctive local touch. Global insight with a local connection, means that we can constantly move in step with the trends and always serve high quality food and drink. Sustainability is an important strategic priority for SSP and is crucial for the long-term success of our business. Touching every aspect of our Group strategy, sustainability is central to fulfilling our purpose to be the best part of the journey. At the end of 2021, we took a step-change in our approach with the launch of our new Sustainability Strategy. Our strategy focuses on key areas: PRODUCT: serving our customers responsibly PLANET: protecting our environment PEOPLE: supporting our colleagues and communities Our ambition is to achieve net zero carbon emissions by 2040.

CHALLENGE SUMMARY

In our exploration of SSP's challenges, we found that much of what we, with our sustainability knowledge, came up with was already covered in SSP's international sustainability report. The SSP 2022 colleague survey indicates that only 52% of employees believe we're positively impacting the planet and environment. The survey also highlights employees' desire to be part of something larger, suggesting that our existing measures need better communication. Recognizing this gap, we identified a blind spot in our sustainability efforts. Despite a robust global sustainability team, knowledge dissemination has not reached all organizational levels. To communicate this already based information was a low-hanging fruit.

TEAM MEMBERS

Aleksander Knutsen
29, Business Development Manager.

Diana Amundsen
30, Site Manager.

Champion
Åste Haukvik
Business Development Director.

 [linkedin.com/select-service-partnet](https://www.linkedin.com/company/select-service-partnet)

 [foodtravelexperts.com](https://www.foodtravelexperts.com)

SOLUTION DESCRIPTION

Spreading awareness and knowledge fosters a circular idea-sharing model, enhancing our commitment to sustainability. Education on sustainability empowers employees, aligning with SSP's goals and UN SDGs. Our goal is an innovative culture, involving frontline workers in sustainability strategy. Gamification aids engaging sustainability learning, encouraging action beyond company roles. Moving from talk to action, our program equips individuals to be agents of change. Collaboration with a game-based learning provider disseminates knowledge, aligning with committed goals. Training targets root causes, emphasizing small changes for significant impact. Exciting and interactive challenges drive effective learning.



Solutions Report

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Sri Lanka



Talawakelle Tea

Estates PLC. Colombo, Sri Lanka.

57

COMPANY OVERVIEW

Established in June 1992 through the conversion of public corporations, Talawakelle Tea Estates PLC is managed by Hayleys Plantation Services (Pvt) Ltd. With a vision to be the most admired plantation company in Sri Lanka and a purpose focused on "Brewing a better future," sustainability is integral to their legacy. Actively engaging in industry discussions, the company prioritizes sustainable agricultural practices, environmental conservation, and community welfare. Recognizing the delicate balance between environmental preservation and economic growth, decisions prioritize both natural habitat protection and fair, inclusive practices. Each choice reflects a commitment to responsible and forward-thinking practices, shaping a sustainable, balanced, and prosperous future for generations to come in the tea industry.

CHALLENGE SUMMARY

The organization faces a critical challenge with a 100% male workforce at the field supervisory level, resulting in communication barriers with female employees. The longstanding practice of excluding females from leadership roles in the Field Staff Category poses a risk to growth, productivity, and innovation. Addressing this challenge requires a strategic, comprehensive approach to foster inclusive communication and cultivate female leadership potential.

TEAM MEMBERS

Sanoj Yapa
34, Manager Marketing.

Thalitha Ravimaran
28, Human Resources Assistant Manager.

Lakshika Piyatissa
28, Sustainability & Corporate Executive Reporting.

Pubudu Bandara
27, Sustainability & QSD Executive.

Champion
Krishna Ranagala
DGM Sustainability.

SOLUTION DESCRIPTION

To address a 100% male workforce in supervisory roles and communication barriers, we implement a Female Leadership Development Program. Actively recruiting dynamic females for male-dominated roles and providing targeted training bridges leadership and gender gaps. This initiative promotes healthier dialogue, creating a comfortable work environment. Empowering females through leadership development allows them to confidently assume roles previously exclusive to males, fostering growth and innovation. Prioritizing female voices, raising awareness, and establishing a clear career path contribute to an inclusive organizational culture. Post-training, trained female supervisors are absorbed into the permanent cadre, ensuring sustained success.



Hela Apparel

Holdings PLC.

Colombo, Sri Lanka.

58

COMPANY OVERVIEW

Hela Apparel Holdings, a US\$270 million company, offers sustainable apparel supply chain solutions globally. Working closely with brands, it specializes in intimate, sleepwear, and children's products. With 10 factories across three countries and over 20,000 employees, Hela leads in ethical and sustainable working environments. The mission is to assist retailers in responsibly manufacturing hero products, maintaining optimum inventory at competitive prices. Solutions prioritize equity, inclusivity, and climate stability, aligning with our focused social capital criteria.

CHALLENGE SUMMARY

The textile industry is a major global environmental concern, ranking among top polluters. Individuals discard 30kg of textile waste annually, contributing to a staggering 13 million tons globally. This equals one truckload being incinerated or sent to landfills every second, exacerbating environmental issues. Textiles break down, releasing harmful substances, while only 1% is currently recycled (Textile Exchange, 2021). In 2022, the Hela Group generated 2,880 metric tons of solid waste, primarily fabric waste from production and cutting stages. This poses a significant environmental challenge, emphasizing the crucial need for effective strategies in textile production processes.

TEAM MEMBERS

Rehan Dias

35, Manager, Engineering & Maintenance.

Aranee Devanandan

30, Manager - Social Capital, HR & Administration.

Ann Dissanayaka

25, Assistant Sourcing, Sourcing and Supply Chain.

Greesha Udayangani

28, Lifecycle Assessment Analyst, Compliance.

Champions

Sachith Balage

Director - Sourcing & Supply Chain.

Amila Dias

DGM - Compliance, Brand Protection & Sustainability.

SOLUTION DESCRIPTION

HELA'S CIRCULAR GARMENT ECOSYSTEM TRANSFORMS PRE-CONSUMER WASTE INTO RECYCLED FIBERS, COMPLETING A SUSTAINABLE AFRICAN SUPPLY CHAIN LOOP.

In Hela's circular garment ecosystem, discarded pre-consumer garment waste is transformed into recycled fibers, progressing through fabric recycling, fiber manufacturing, and knit fabric supply. The renewed fabric returns to Hela, completing the 360-degree recycling loop and establishing a sustainable African supply chain. This closed-loop system not only showcases Hela's dedication to sustainability but also highlights the seamless integration of recycling practices in garment production. It represents an eco-conscious innovation, where waste transforms into new garments, ensuring environmentally friendly fashion production. This approach breathes new life into fabric cut panels, contributing to a reduced carbon footprint across the value chain and setting a precedent for responsible manufacturing in the industry.

It represents an eco-conscious innovation, where waste transforms into new garments, ensuring environmentally friendly fashion production. This approach breathes new life into fabric cut panels, contributing to a reduced carbon footprint across the value chain and setting a precedent for responsible manufacturing in the industry.



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Türkiye



Orimpex Textiles

Izmir, Türkiye.

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COMPANY OVERVIEW

Orimpex is a pioneering, design-to-delivery apparel manufacturer that specializes in organic cotton, responsibly sourced materials, sustainable practices, and ethical production. All processes, from fabric to the final product, are carried out in-house by the experienced and qualified Orimpex team. With a monthly capacity of 50,000 units in our certified factory, we provide our customers full transparency and accountability in their supply chains.

CHALLENGE SUMMARY

In addition to strengthening the sustainability side of its own structure, keeping the supply chain to this extent and ensuring that they are adapted to the sustainable business model

TEAM MEMBERS

Serap Yilmaz
30, CSR Manager.

Simay Tuc
24, Assistant Merchandiser.

Champion
Serap Yilmaz
CSR Manager.

SOLUTION DESCRIPTION

Establishing a waste management system that covers the supply chain and strengthens the solution idea with documentation creates a project, open to all suppliers and focuses on express them how to maintain the system. This will not only improve the minds on waste management but also give a huge contribution to other partners in the sector.



Penti

Istanbul, Türkiye.

61

COMPANY OVERVIEW

Penti is a ready to wear retail company with a product range consist of underwear, homewear, activewear, swimwear, hosiery and socks. Our approach to the sustainability is focused on the aim for a Better Life. A better life is what we commit to every single day, with sustainability as its core: a better usage of materials, a better recycling method, better technologies and better care for the planet overall. But mostly, we call it better because there's always room for improvement.

CHALLENGE SUMMARY

As a ready-to-wear retail company, our annual pre-production cutting process generates 420 tons of fabric waste. Regrettably, these unused fabrics contribute to environmental pollution. Additionally, 10-15% of the fabric intended for production becomes waste during the cloth spreading and cutting processes. Penti's extensive supply chain relies on suppliers to independently manage this waste, making it challenging to track. Consequently, a significant portion of the waste is not repurposed, leading to continuous production of new raw materials. This approach exacerbates resource scarcity, increases chemical usage, and heightens carbon emissions. Our business model, in essence, lacked a closed-loop, circular design.

TEAM MEMBERS

Deniz Saldıran Kaya

28, Sustainability & Supplier Collaboration Team Leader.

Kevser Üstün Topsakal

33, Design Team Leader.

Rufat Dönmez

30, Financial Planning Team Leader.

Champion

Yunus Ünal

Sustainability, QA & Buying Director.

SOLUTION DESCRIPTION

In the first phase of our project, we build partnerships for change. With a recycling company as our business partner, we will start collecting fabric waste from our suppliers to recycle. In the second phase, we will start collecting second-hand Penti products from our customers in our stores. The ones available for recycling will be recycled to produce fabric for Penti. The ones cannot be recycled will be downcycled to be used in different purposes, under the carpets, as filling materials for the toys, furniture etc. The recycled fabric will be used for Penti's products. Instead of using raw materials and demanding for more to produce, Penti will be using its output as an input. The whole operation will be done in our almost 90% local supply chain. For generating women employment in the value chain, minimum 70% of the workers that will work in recycling operation will be women.



SDG 5
SDG 12
SDG 17

Şekerbank

T.A.Ş. İstanbul, Türkiye.

62

COMPANY OVERVIEW

Founded on October 12, 1953, with the aim of supporting economic development and the agricultural industry based on rural development by farming entrepreneurs, who were members of hundreds of thousands of beet cooperatives in Anatolia, our Bank developed its unique "Community Banking" mission, which expresses its founding philosophy, to be aligned with the international vision of "Sustainable Banking". Through this mission, we offer an exemplary and pioneering model in Türkiye in the field of banking. In addition to our collective capital structure, this unique role is built on our strong customer base, especially in mainly rural locations with solid agricultural activities where we operate a well-established and broad branch network, with employees that are especially skilled in local banking competency.

CHALLENGE SUMMARY

Our main challenge is; women's fear of taking risks in financial areas and situation of female workforce not being included in the economic system. Although financial institutions have resources for women, the organizations cannot find the right audience to direct the financing.

TEAM MEMBERS

Zeynep Orak
25, Senior Sustainability Specialist.

Nazlı Gözüyeşil
32, Retail banking marketing department / Assistant Manager.

Champion
Ayben Akyürük
Investor Relations and Structured Finance Manager.

SOLUTION DESCRIPTION

In order to prevent women's hesitations about being included in the financial system, we manage the solutions we produce under two headings: financial and non-financial solutions. Under financial solutions, we want to increase the risk-taking rate of our female customers and prevent their hesitations with microfinance models. We aim to break this prejudice with the non-financial solutions we provide in addition to the financial solution. Our non-financial solutions; creating experience sharing groups, financial literacy trainings, Entrepreneurial Women Meetings; Our solutions include the opportunity to meet with Suppliers & Non-Governmental Organizations and cooperation to increase their visibility on e-commerce sites.



Yaşar

Holding Co. Istanbul, Türkiye.

63

COMPANY OVERVIEW

The foundations of Yasar Group, which has contributed to the Turkish economy and the development of our country. Being the pioneer of the firsts with the sectors, brands and products introduced to Turkey, Yasar Group's primary goals are to monitor and reduce the effects of its operations while maintaining a responsible attitude toward nature and the planet. Aiming to create a sustainable world by providing innovative products and services "for a better life" and proudly carrying the title of "pioneer of innovations", the Group continues its activities adhering to its mission "To provide high-quality products and services that add value to the lives of our consumers with our trusted brands" and its corporate values of "Our Consumers and Customers Come First", "Operational Excellence", "Our Human Resources", "Our Ethical Stance", and "Our Environmental and Social Responsibility".

CHALLENGE SUMMARY

"The need to mutually share sustainability efforts with suppliers" Sustainability assessment surveys should be conducted to determine the level of sustainability awareness of our suppliers, in order to have information on how competent/mature/aware our suppliers are in sustainability practices. Afterwards, within the scope of this project, efforts can be made to develop joint work and training opportunities on sustainability issues by initiating cooperation programs with our suppliers that have high carbon emission impact on product life cycles, especially packaging suppliers.

TEAM MEMBERS

Gülay Öncü İnce
34, R&D Supervisor.

Öyküm Bahar Esen Bodur
33, R&D Specialist.

Onur Uygun
28, R&D Specialist.

Champion
Melis Arıs
Corporate Relations and Sustainability Director.

SOLUTION DESCRIPTION

Collaborate with our suppliers in order to develop the awareness of sustainability. As in DMAIC (Define-Measure-Analyse-Improve-Control), which is a basic process improvement and problem solving method (and a 6 Sigma tool), one of the most fundamental steps in solving a problem is measurement. In the measurement step, the necessary data is collected in order to analyze the current situation and determine the needs correctly. In this direction, we plan to create a questionnaire to measure the level of awareness of our suppliers on sustainability and to request all our suppliers to fill out this questionnaire. We will apply the survey to our packaging suppliers as a pilot study. Afterwards, we will organize interviews and meetings with our packaging suppliers and develop joint projects, trainings and collaborations.



Logo

Kocaeli, Türkiye.

64

COMPANY OVERVIEW

At Logo, we create value for our customers with passion and agility. As a company on its way to becoming a regional power, we are committed to creating lasting added value in our activities. As per our role in technological transformation, we are helping companies to operate more efficiently and adapt to the current competitive environment by producing solutions for industry 4.0 or cloud systems. Accordingly, we are driving sustainable transformation both in our own operations and in our ecosystem, especially in the developing markets. We have identified the focal point of our sustainability strategy as investing in the community, the environment and the future of our company and contributing to the sustainable transformation of our ecosystem with innovative products and services.

CHALLENGE SUMMARY

Our problem is that the number of female employees in software developer positions is lower than males. Although Logo considers gender equality in recruitment processes, this problem results from the limited number of female talents in the software sector, which is lower than males. Hence, this makes the number of female applicants to software developer positions much lower. In 2023, %27 of the applications to the software developer positions were women.

TEAM MEMBERS

Ebru Öztosun
26, Sustainability Specialist.

Burak Erdem Varol
29, Java Software Developer.

Champion
Canan Şenkut
Investor Relations and
Sustainability Director.

SOLUTION DESCRIPTION

According to our problem, the number of female talents in the software sector is limited, so we decided to create a solution to raise the number of female software developers. Therefore, our solution is "Low Code/No Code training and Marketplace for women". In that case, after providing Low Code/No Code training to women trainees within the body of Logo, their CVs will be collected in a pool. Then, the requests from SMEs who are Logo users will be collected. Hence, these requests will be matched with program participants by their criteria.



5 GENDER EQUALITY



8 DECENT WORK AND ECONOMIC GROWTH



10 REDUCED INEQUALITIES



Humanis Sağlık

T.A.Ş. İzmir, Türkiye.

65

COMPANY OVERVIEW

Humanis prioritizes three key pillars - Environment, Society, and Finance - guided by its "Values Beyond Capital" and the vision of a Sustainable "Strong Future." It endeavors to optimize resource utilization, pursue sustainable profitability, and drive innovation and R&D across its operations. Aligned with the United Nations Sustainable Development Goals, Humanis became a signatory to the UN Global Compact in 2022. Sustainability initiatives are overseen by a dedicated committee, which reports activities and outcomes to senior management, constantly seeking areas for enhancement in alignment with company strategy and stakeholder feedback.

CHALLENGE SUMMARY

A drug prospectus is a text that informs the patient about the correct use of a drug. It informs the patient about the method of use and dosage, duration of treatment, side effects, interaction with other drugs, etc. It is therefore important that every patient has access to the package leaflet. The fact that a paper package insert comes in every box does not mean that the patient has access to it. The Challenges identified include the inability to read and understand instructions for use of medicines by all segments of the society, visually impaired and elderly individuals, small font size and lack of understanding of technical information, and management of packaging waste generated after the use of medicines.

TEAM MEMBERS

Banu Oguz
30, Sustainability Senior Specialist.

Mısra Ayas
25, Junior Specialist, Engineering and Technical Services.

Champion
Veysel Erdoğan
Engineering and Project Director.

SOLUTION DESCRIPTION

Replacing the prospectus with a QR code, when the QR is scanned, the Prospectus for the licensed medicine in the Ministry of Health's System opens as a PDF, Audio narration starts simultaneously with the opened file, Prospectuses printed on the inside of the box, no extra prospectus printing.



66



Ukraine



NPC Ukrenergo

Kyiv, Ukraine.

67

COMPANY OVERVIEW

The National Power Company "Ukrenergo" is a private joint-stock company with 100% of the shares owned by the state, which belongs to the sphere of management of the Ministry of Energy of Ukraine. Ukrenergo is the operator of the transmission system of Ukraine with the functions of operational and technological management of the United Energy System of Ukraine (UES), transmission of electricity through main power grids from generation to distribution networks, as well as the administrator of commercial accounting and the administrator of calculations on the electricity market of Ukraine. From January 1, 2024, our company becomes the 40th full member of the European Network of Electricity Transmission System Operators ENTSO-E. Our company is a leader among Ukrainian state-owned companies in the implementation of sustainable development of Ukraine for the period until 2030, participates in the formation of environmental policy and the legislative framework for sustainable development in the country, and supports the 10 principles of the UN General Assembly.

CHALLENGE SUMMARY

With the beginning of a full-scale russian invasion of Ukraine, the energy system of our country is exposed to regular missile terror from the aggressor country. Every day, risking their own lives and health, our employees work to restore it so that every home has light and warmth. The mission of our project "Safety during war" is to provide employees of NPC "Ukrenergo" with the opportunity to acquire knowledge and practical skills in first aid, mine safety and receive psychological support to preserve mental health.

TEAM MEMBERS

Yuliya Lazariuk
30, Expert in Corporate and Social Responsibility.

Alina Klakovska
22, Leading Specialist in Corporate and Social Responsibility.

Vitalii Rozhko
22, Leading Specialist in Environmental Policy.

Champion
Hennadiy Davydov
Expert in Ecology.

SOLUTION DESCRIPTION

The goal of our project "Safety during war": to implement a system of training courses and lectures for employees of NPC "Ukrenergo" on the provision of first aid, mine safety and psychological support. In 6 months, more than 700 participants take part in corporate training, of which: 475 Ukrenergo employees in 9 cities took part in first aid training, where they acquired skills in providing first aid, tamponing wounds, applying tourniquets, recognizing critical bleeding, as well as 239 children of employees and children living in the de-occupied territories were involved in 17 mine safety trainings, where they learned about the rules of safe behavior when detecting explosive objects, types of ammunition, and types of ammunition camouflage. Our goal is to empower all of our employees to acquire skills that can save their own lives and those in need.



Farmak

JSC. Kyiv, Ukraine.

68

COMPANY OVERVIEW

Farmak is the leader of the Ukrainian pharmaceutical market. The company's mission is to make the treatment with modern effective medicines accessible, helping people to be healthy and happy. The company's portfolio includes about 400 modern medicines. Production facilities, laboratory and technical complex of the enterprise are internationally certified and meet the high requirements of European GMP standards. Medicines from Farmak are represented in Europe, namely the EU, Asia, Central and South America, the Middle East, as well as in Australia. The company has representative offices in Uzbekistan, Kazakhstan, Kyrgyzstan and Vietnam. International offices in Poland and the UAE, as well as affiliated companies in the Czech Republic and Slovakia. In 2024, it is planned to open a new production facility in Spain, Barcelona. All our projects in the field of sustainable development are aimed at improving the quality of people's lives, promotion of healthy lifestyle, raising the level of ecological culture, safe work performance, supporting social activity and volunteering among Farmak employees.

CHALLENGE SUMMARY

Our aim was to establish an efficient medication utilization system accessible to every Ukrainian. The goal is to safely collect and utilize of expired medications, minimizing the impact on health and the environment.

TEAM MEMBERS

Viktorii Popovych
33, GR & CSR manager.

Champion
Yevgeniya Piddubna
Corporate Communications Director.

SOLUTION DESCRIPTION

Farmak, in collaboration with Apteka Dobroho Dnya, initiated "DisposeMeds - Save the Planet" to address the improper disposal of expired medications in Ukraine. Expired drugs contaminate soil and water, posing ecological threats and potential harm to individuals through water, vegetables, and fish consumption. To tackle this issue, Farmak and Apteka Dobroho Dnya launched an awareness campaign, placing special disposal containers in 30 pharmacies across Kyiv. The collected medications undergo safe disposal through licensed high-temperature incineration. In the first month, the project amassed over 7,500 liters of expired drugs. Although currently in a Kyiv pilot phase, the project aspires to evolve into a nationwide initiative, fostering collaboration between businesses, the public, and the government for effective medication disposal.



DP Caparol Ukraina. Kyiv, Ukraine.

69

COMPANY OVERVIEW

DP CAPAROL UKRAINA have been operating in Ukraine since 2006. The parent company is the Deutschen Amphibolin-Werke von Robert Murjahn Stiftung & Co KG with its headquarters in Ober-Ramstadt in the Odenwald (Hesse) that was founded in 1895. DAW is still an independent family-run company with the international claim Better Building Performance. Better Life. Since 1895. CAPAROL UKRAINA provides building paints, primers, enamels, decorative materials, glazes and plasters for inside and outside, energy-saving thermal insulation composite systems (ETICS) and tinting pastes. In 2021 CAPAROL UKRAINA have started sales of the first CapaGreen products which are made from renewable raw materials, save CO2 and support biodiversity. Now Caparol is gradually replacing raw materials based on petroleum and natural gas with plant-based materials to reduce the product carbon footprint to implement our environment protection plan up to 2025.

CHALLENGE SUMMARY

CAPAROL UKRAINA uses near 250 000 kg of plastic packaging with 12 mio UAH cost every year. Only 0,3% of this packaging will be sorted and used for recycled plastic production. That means that we pay little less than 12 mio UAH for plastic that will never be used again. It will just stay at landfill for uncertain period keep polluting our water and soil, harming animals and human being. Our challenge now is how can we reduce our environment influence with reducing packaging costs on plastic packaging at the same time.

TEAM MEMBERS

Anna Rzhanova
33, Customer Service Specialist in Supply Chain.

Anton Haidai
36, Leading Inventory Management Specialist in Supply Chain.

Andrii Stankevych
Product Manager in Marketing.

Champion

Andrii Korol
Sales Director.

SOLUTION DESCRIPTION

We believe that creation of packaging recycling ecosystem is the key to fundamental shift in whole industry within Ukraine. But that is not possible without partnership and true friends. That's why we involved in this project company that can collect, sort and transport packaging to the partner that can clean it up, grind it and produce granulate with stable needed quality for the next step. Our strategic partner in Poland is ready to produce high quality packaging with 70% of recycled plastic now and 100% recycled plastic in future. 70% RP were already tested. We would like to engage as many companies of our industry in Ukraine as possible to give an impetus to the processing industry and remind society that no matter what times we are going through, we don't have another planet.



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United Kingdom



Arup

London, UK.

71

COMPANY OVERVIEW

As a global sustainable development consultancy, our work is focused on producing safe, inclusive and resilient communities, infrastructure and cities. We recognise that sustainable development encompasses many different factors. So, our work also prioritises environmental regeneration, biodiversity, conservation of resources, stable economic growth and social value.

TEAM MEMBERS

Lola Bushnell
Sustainable Futures Strategist.

Eloise Judd
Project Manager.

Faye Donnelly
Engineer.

Rishka Reccani
Maritime Electrical Engineer.

Champion
Cecilia Landeros Tormo
Senior Sustainability Consultant.



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CHALLENGE SUMMARY

Around 2.4 billion people in arid regions face daily water scarcity. Healthy soil with good structure captures and stores rainfall, slowly replenishing supplies. Degraded, compacted soil causes runoff and downstream flooding during intense, infrequent rainfall intensified by climate change. Deforestation, grazing, and intensive farming degrade soil's water storage capacity. NGOs addressing water scarcity mainly build wells, lowering groundwater levels and rendering existing depths inadequate. This isn't sustainable. Long-term solutions require recharging groundwater to rehabilitate the hydrological system.

SOLUTION DESCRIPTION

Arup has a breadth of successful projects and expertise in water resource management. So, when exploring what we could do internally to accelerate SDGs, we spoke to over 20 experts addressing different facets of this challenge. Throughout our research there was one project which both aligned with the group's interests and demonstrated potential to create significant positive change in relation to the SDG goals. This was the Water Up project, in collaboration with The Flow Partnership and WaterAid, a partnership which has been cultivated over the past 5 years. The project aims to empower rural communities through regenerative, low-TEK, community-owned water management methods. So, what is the solution? We asked the question, why are we not doing more of this? And identified four components—partnerships, platforming, scaling, and education. Will shift the thinking towards regenerative lo-TEK, community-led approaches through education, platforms and partnerships and scale up our own practising projects.



Arm Holdings

Cambridge, UK.

72

COMPANY OVERVIEW

Arm compute platforms are currently the most power-efficient on the planet and continue to push the thresholds of performance to enable the next generation of smart, AI-capable, visually immersive, and increasingly autonomous experiences on everything from the tiniest sensors to the smartphone to the automobile and to the datacenter. Driven by our sustainability framework, Arm is working to enable cross-sector technology advancement and to reduce our own environmental footprint while increasing societal impact. We do this by extending the benefits of technology to people and areas not currently prioritised, closing the digital divide between those who have full access to digital technologies and the billions who currently do not. These two key focus areas align most closely with Goal 13, Climate Action and Goal 11, Reduced Inequalities. However, we believe that technology can help to underpin and has a role to play in the delivery of all the SDG's.

CHALLENGE SUMMARY

As global technology reliance grows, the environmental impact of producing and disposing of electronics rises. Mass production often leads to inaccurate estimates, resulting in unsold stock that is frequently scrapped, negating the environmental benefits of manufacturing. This practice contributes to additional harmful emissions during disposal. The semiconductor industry is projected to contribute up to 3% of global emissions by 2040. Maximizing the use of already-manufactured devices is crucial for effective decarbonization efforts, given this forecast.

TEAM MEMBERS

Daniel Ott
Information Developer.

Kiril Kostadinov
Software Engineer.

Mai Pham
Project Manager.

Tom Smith
Procurement Reporting, Policy, and Governance Lead.

Champion
Fran Baker
Director of Sustainability and Social Impact.



SOLUTION DESCRIPTION

Arm holds a distinctive market position, collaborating with entities ranging from small start-ups to major manufacturers. We aim to capitalize on this position by introducing a 'marketplace' service, connecting large companies with surplus chip stock to smaller entities like start-ups, NGOs, and research teams. Sellers would agree to sell and ship unused stock to buyers, benefiting both parties: large companies can responsibly dispose of excess stock and recover costs, while smaller entities gain access to high-quality components at preferential prices, reducing time to market significantly.



Mott MacDonald

Croydon, UK.

73

COMPANY OVERVIEW

Mott MacDonald are a global engineering, management and development consultancy. Our purpose is to improve society by considering social outcomes in all we do, relentlessly focusing on excellence and digital innovation, transforming our clients' businesses, our communities and employee opportunities. Our vision is to be a leading global partner in advancing sustained economic, social and environmental wellbeing. We aim to do this by putting the United Nations' Sustainable Development Goals at the heart of our business.

CHALLENGE SUMMARY

How might we rethink the use of resources so they become valuable to our clients, and benefits communities and the environment?

TEAM MEMBERS

Jess Fishman
26, Analyst.

Connor Flashman-Wells
24, Social Outcomes Consultant.

Anna Bowskill
25, Digital Analyst.

Iranga Weerasuriya
30, Senior Electrical Engineer.

Champion
Mark Enzer
CTO.

SOLUTION DESCRIPTION

CESTO MOBILIZES COMMUNITIES, PROMOTING SYSTEMS THINKING AND SCALING SOLUTIONS FOR ENVIRONMENTAL AND SOCIETAL BENEFIT.

An ecosystem that connects people in the built environment to create value from existing resources: Cesto. Firstly, Cesto is about building a mobilised community of industry partners, who we'd communicate industry benefits to and start to elicit behaviour change through. This would mean going to clients, competitors, third sector and research organisations, and conducting roundtables and data collection to identify common challenges. Secondly, it's about generating and delivering value. Once we've built relationships, promoted systems thinking and began working together collaboratively, we'd start generating new solutions. This would mean connecting together our existing ideas and scaling them, so that our ideas are more than the sum of their parts. And lastly, this value would be returned to communities and the environment, by ensuring that our circular approach generates value from untapped resources.



ISG

LTD. London, UK.

74

COMPANY OVERVIEW

We are a global construction company. With the steps we are taking as a business to commit to a sustainable future, we are dedicated to ensuring that we accelerate this change as soon as we can, incorporating Environmental Social Governance (ESG) criteria in all our projects, creating high-quality and sustainable spaces and applying social responsibility in our relationships with our employees, suppliers and contractors and in the communities in which we operate.

CHALLENGE SUMMARY

How can we build datacentres that reuse/redistribute excess heat, instead of treating it as a waste by product?

TEAM MEMBERS

Rosie Maxwell
29, Bid Writer (ESG Specialist).

Ollie Kent
25, Sustainability Advisor.

Poppy Cunningham
28, Sustainability Advisor.

Kajal Parekh
26, Social Value Graduate.

Champion

Peter Kelly
Group Director of Sustainable Operations.

SOLUTION DESCRIPTION

Identify technologies and approaches that will enable datacentres to reuse/redistribute excess heat, for example sharing this heat with district heating networks to help local communities.

7 AFFORDABLE AND
CLEAN ENERGY



9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



10 REDUCED
INEQUALITIES



11 SUSTAINABLE CITIES
AND COMMUNITIES



13 CLIMATE
ACTION



75



United States of America



International WELL

Building Institute - IWBI. New York, USA.

76

COMPANY OVERVIEW

International WELL Building Institute (IWBI) is the global authority for transforming health and well-being in buildings, organizations and communities around the world. Our mission is to put people first in business decision-making and culture. We do so by administering the WELL Building Standard, a third-party verification roadmap that organizations leverage to design healthier spaces, policies and operations.

CHALLENGE SUMMARY

The private sector struggles to effectively address people-oriented commitments due to resource limitations. Organizations face ambiguity and lack direction in reporting SDG progress, leading to non-standardized disclosures and intervention variations. WELL stands out as the premier standard for verifying actions that promote health, well-being, and equity in buildings, organizations, and communities. At scale, WELL enables the private sector to impact 16 UN Sustainable Goals. However, customers encounter challenges activating WELL across their organization due to operational delays, difficulties in integrated decision-making, navigating multiple external partnerships, and time constraints limiting engagement capacity.

TEAM MEMBERS

Joelle Jach

32, Senior Technical Account Manager, Client Success Team.

Nicole Alfonsin

31, Strategic Account Manager, Sales and Marketing Team.

Kristen Janousek

27, Associate, Standard Development Team.

Champion

Matthew Trowbridge

MD MPH, Chief Medical Officer.

SOLUTION DESCRIPTION

Developing a WELL/SDG Impact Toolkit to inspire organizations towards Sustainable Development Goals alignment. This toolkit drives increased implementation of WELL strategies, optimizing people-oriented activities for societal impact. It serves as a credible evaluation tool for informed investor decisions, strengthening corporate sustainability narratives by linking individual well-being with broader societal impact.



3 GOOD HEALTH AND WELL-BEING



10 REDUCED INEQUALITIES



Avasant

California, USA.

77

COMPANY OVERVIEW

Avasant is a leading management consulting firm focused on translating the power of technology into realizable business strategies. Specializing in sourcing advisory, digital and IT transformation, global development, and governance services, Avasant prides itself on delivering high value engagements through industry focused innovation and flexible client based solutions.

CHALLENGE SUMMARY

Pressure to prioritize equity and sustainability is coming from many directions: employees, customers, and regulators. To meet this pressure, organizations must look across the whole value chain, which includes sourcing from equitable and sustainable suppliers. The challenge identified is that organizations lack a holistic understanding and comparative view of the market for ESG-aligned IT services and products.

TEAM MEMBERS

Elicia Nancoo
25, Corporate Strategy & Sustainability Associate.

Ben Silvian
24, Consultant.

Julia Hall
23, Associate Consultant.

Champion
Shael Roopchand
Director, Corporate Strategy & Sustainability.

SOLUTION DESCRIPTION

In addressing this market gap, Team Avasant introduces the 'Avasant ESG Sourcing Center of Excellence,' offering a three-part solution catering to clients, service providers, and other stakeholders. This initiative scores technology products on ESG metrics, ensures regulatory compliance across regions and industries, and provides users with a comparative view for tracking sustainability progress over time. Powered by Avasant's Generative AI tool, this platform offers data automation, accurate results, report generation, and a user-friendly experience.



**ABOUT THE
UNITED NATIONS
GLOBAL COMPACT**

As a special initiative of the UN Secretary-General, the United Nations Global Compact is a call to companies everywhere to align their operations and strategies with Ten Principles in the areas of human rights, labour, environment and anti-corruption. Our ambition is to accelerate and scale the global collective impact of business by upholding the Ten Principles and delivering the Sustainable Development Goals through accountable companies and ecosystems that enable change. With more than 12,000 companies and 3,000 non-business signatories based in over 160 countries, and 69 Local Networks, the UN Global Compact is the world's largest corporate sustainability initiative — one Global Compact uniting business for a better world.



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FOR MORE INFORMATION, VISIT OUR WEBSITE AT
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