SDG INNOVATION

SOLUTIONS REPORT

UN GLOBAL COMPACT
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SDG INNOVATION ACCELERATOR
FOR YOUNG PROFESSIONALS

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A YEAR OF ACTION **AND BOLD IDEAS**

01.1 / PRESENTATION:

/ The world is at a crossroads. With the 2030 deadline for the Sustainable Development Goals (SDGs) fast approaching, businesses, governments, and individuals face an urgent challenge: How do we turn ambition into action? In 2024, young professionals across industries answered this question with bold ideas, innovative strategies, and a determination to reshape the way business contributes to a sustainable future.

The SDG Innovation Accelerator for Young Professionals stands as a testament to what happens when emerging leaders are given the tools, networks, and freedom to rethink conventional business models. Designed for professionals under 35 working in UN Global Compact companies, this program goes beyond theory—it is a laboratory for real-world solutions, where concepts evolve into tangible, scalable innovations.

This year's participants tackled some of the most pressing global issues, from reducing carbon footprints and embedding circularity into supply chains to driving financial inclusion and developing technology-driven sustainability solutions. The results speak for themselves—transformative projects that challenge outdated systems and push industries toward a more responsible and resilient future.

Since its launch in 2019, this accelerator has nurtured a new generation of changemakers, proving that young professionals are not just the future of business but its present. Through collaboration, experimentation, and an unrelenting focus on impact, this cohort has demonstrated that sustainability and profitability are not mutually exclusive, but rather, deeply interconnected.

THE FUTURE IS NOT SOMETHING WE WAIT FOR—IT'S SOMETHING WE CREATE AND THE CHANGEMAKERS IN THESE PAGES ARE LEADING THE WAY.

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The stories in this yearbook highlight not only the solutions developed but also the mindset shifts, leadership growth, and cultural change that happened along the way. These young professionals are proving that business as usual is no longer an option. Their work is a call to action—for companies, investors, policymakers, and all of us—to embrace new ways of thinking and doing.

01.2 / ABOUT THE ACCELERATOR:

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.

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.

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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.

01.2.1 / SDG INNOVATION ACCELERATOR 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.

2024 NUMBERS

DATA RELATED
TO THE OUTCOMES
ACHIEVED IN
THE YEAR 2024.

MORE THAN

1.000 YOUNG PROFESSIONALS

took part in this
accelerator worldwide.

IT WAS IMPLEMENTED IN

18 COUNTRIES:

Bangladesh,
Brazil,
China,
Colombia,
Ecuador,
Egypt,
Georgia,
Germany,
Ghana,
India,
Indonesia,
Malaysia,
Mexico,
Netherlands,
South Africa,
Sri Lanka,
Turkey,
United Kingdom

IN 2024,

268 COMPANIES

took part in this
accelerator worldwide.

72%

HAPPENED IN

DEVELOPING COUNTRIES

72% of the countries part of
the Accelerators are classified
as developing countries.

COLLABORATION AND NETWORKING

THE SURVEY FINDINGS HIGHLIGHT THE SIGNIFICANT IMPACT OF THE PROGRAM IN FOSTERING COLLABORATION AND PROFESSIONAL NETWORKING AMONG GLOBAL INNOVATORS.

87%

BUILT VALUABLE WORKING RELATIONSHIPS WITH GLOBAL INNOVATORS

73%

PLAN TO CONTINUE COLLABORATING WITH PEERS OR MENTORS BEYOND THE PROGRAM

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THE HIGHEST PARTICIPATION IN THE PROGRAM

TOP 3 INDUSTRIES

37% MANUFACTURING

14% ENERGY AND UTILITIES

8% TRANSPORTATION AND LOGISTICS

ABOUT BUSINESS

93%

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

ABOUT PEOPLE

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.

ABOUT PEOPLE

95%

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

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SDG INNOVATION **SOLUTIONS**

SDG INNOVATION ACCELERATOR
FOR YOUNG PROFESSIONALS

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SOLUTIONS REPORT 2024

China

Echo of Care Public Welfare Program

Vivo Mobile Communication Co., Ltd.

1.1 / COMPANY OVERVIEW:

With 1.3 billion people worldwide and over 85 million in China living with disabilities, many face barriers to ICT access due to economic, technological, and social challenges. Limited job opportunities and income make digital devices unaffordable. ICT products often overlook accessibility needs, and societal biases create further exclusion. Addressing these inequalities is key to ensuring equal access to technology and opportunities.

1.2 / TEAM MEMBERS:

CHAMPION

Juan Xie
ESG Director

Guiling Huang
Senior CSR Manager

Shujun Li
Legal Manager

Wan Cao
Strategic Development Manager

Jianheng Huang
CSR Manager

1.3 / CHALLENGE SUMMARY:

How might we empower people with disabilities to access and use information equally and benefit from ICTs in order to promote greater inclusion and equal opportunities in society?

1.4 / SOLUTION DESCRIPTION:

With the advancement of technology, it is increasingly important to respond to the needs of people with disabilities. On May 16, 2024, vivo and the China Disabled Persons' Federation officially reached a strategic cooperation to jointly promote the upgrading of Echo of Care Public Welfare Program, promote the inclusivity of science and technology through innovative solutions of "technology + public welfare + ecosystem", and help a wider range of people with disabilities achieve self-development and social integration. The initiative upgrades accessibility with AI, supports 1,100 disabled students in special education, recruits 120 mentors, funds student projects, and drives social advocacy through documentaries and public events to break stereotypes and foster inclusion.

1) Advancing inclusive technology: Guided by real needs, vivo develops barrier-free products like vivo Sight, Listening & Speaking, and Sign Language Interpreter, enhanced by AI. vivo Sight integrates real-time Q&A, while Listening & Speaking supports six dialects. Upgrades improve accessibility, enhancing independence and well-being;

2) Equitable education & employment: Donating devices, project funding, and mentorship programs empower students, boosting skills and job readiness;

3) Industry collaboration & advocacy: Partnering with disability organizations, vivo fosters an inclusive ecosystem, offering AI tools to developers and driving social awareness to reduce inequality.

NaaS Technology Inc.

EV Charging Beyond Urban

1.1 / COMPANY OVERVIEW:

The increasing market share of EVs in China presents a significant challenge: the charging demand cannot be adequately met, especially in rural areas. EV owners in these regions, or those visiting during holidays, often face difficulties in charging, which could result in range anxiety. The insufficient construction of public charging infrastructure in rural areas limits the consumption potential of EVs and tourism. To address this, it is essential to establish interconnected charging facility networks at various levels tailored to different cities, ensuring accessible, affordable, and aggregated charging services.

1.2 / TEAM MEMBERS: /

CHAMPION

Yang Wang
CEO

Yubo Zhai
General Manager of Carbon Neutrality Business Divison

Chuanyuan Ni
ESG Project Manager

1.3 / CHALLENGE SUMMARY:

How might we improve the utilization rate of rural charging infrastructure to help operators recover investment costs faster, thereby encouraging the expansion of public charging networks and supporting EV adoption in these areas?

1.4 / SOLUTION DESCRIPTION:

We provide a one-stop solution integrating charging facilities, photovoltaic, and energy storage, enabling EV owners in rural areas to access more sites and fostering decentralized energy communities. AI-driven technology and Big Data interconnect facilities, offering real-time data on location and conditions via an app. This enhances charging efficiency, ensuring EV owners have accessible, affordable, and aggregated charging services. The solution uses big data and AI to digitize charging stations, improving public charger utilization. It assesses local supply and demand, adjusts market strategies, and optimizes pricing. In rural areas, slow chargers reduce ROI cycles from 10 years to 18 months. For EV owners, it enhances convenience and supports green policies. It also boosts local tourism, power industries, and employment, driving sustainability, economic growth, and social inclusion.

Bottle Tree Project

Monarch | TongYi Petroleum Chemical Co., Ltd.

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1.1 / COMPANY OVERVIEW:

The “Bottle Tree” project addresses challenges in transitioning to low-carbon practices, aligning with China’s climate goals. It tackles high R&D costs (15-20% of revenue), low market acceptance (only 20% willing to pay the green premium), and long development cycles (3-5 years) with high investment (50M RMB per project). The project aims to balance sustainability with economic efficiency, driving industrial innovation, responsible consumption, and climate action.

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1.2 / CHALLENGE SUMMARY:

How might we help consumers and businesses adopt low-carbon lubricants and biodegradable packaging to reduce environmental impact and support sustainable development?

1.3 / TEAM MEMBERS:

CHAMPION

Wu Qi
Marketing Director

Sun Xiaojie
Brand Innovation Manager

Zhao Mengdi
Brand Event Specialist

Ma Chao
Assistant Product Purchasing Manager

Zhang Jianyu
Logistics Procurement

1.4 / SOLUTION DESCRIPTION:

Key features include re-refined waste oil technology, which cuts crude oil use by 34 times, and biodegradable packaging with a 90.3% degradation rate in 779 days. Benefits include lower emissions, reduced environmental impact, and enhanced market competitiveness through consumer education and strategic partnerships.

The Bottle Tree Project promotes sustainable lubricants and biodegradable packaging to reduce carbon emissions.

The Bottle Tree Project utilizes re-refined waste oil technology to recycle used lubricants into high-quality base oils, reducing crude oil use by 34 times. It also employs biodegradable packaging made from seed paper, which degrades 90.3% in 779 days. Carbon footprint verification ensures sustainability, while AI-driven lifecycle analysis optimizes efficiency. Consumer education and partnerships drive adoption, promoting a circular economy and reducing environmental impact.

Building Green Partnership to Promote the Sustainable Development of Rural Areas

State Grid Corporation of China

1.1 / COMPANY OVERVIEW:

According to the 2024 Global Food Crisis Report, 282 million people in 59 regions faced severe food insecurity in 2023. China sustains nearly 20% of the population with limited resources, yet agricultural bottlenecks persist. In Donglin Village, challenges include low resource efficiency, high carbon emissions, and reliance on subsidies. To achieve sustainable, low-carbon rural development while increasing grain production and income, proactive measures are needed to optimize resource use, sustain ecosystems, and enhance food security.

1.2 / TEAM MEMBERS:

CHAMPION

Chong Tong
Science & Technology Administrator

Jianshu Sun
Operation & Maintenance of Communication

Zhengxing Wang
Operation Monitoring Management

GengAn Xu
Electricity Business Management

YiYuan Liu
Evaluation of New Energy Grid-Connected Technology

1.3 / CHALLENGE SUMMARY:

How might we build green partnerships to achieve sustainable development of circular agriculture, thereby solving food problems?

1.4 / SOLUTION DESCRIPTION:

This collaboration fosters low-carbon rural transformation, enhancing food security and sustainable development.

Aligned with SDG7, SDG13, and SDG17, State Grid Taicang Power Supply Company is building a green partnership with government, energy hubs, social capital, and rural stakeholders in Donglin Village. The government provides policy support, while the power company drives energy solutions. Research institutes guide circular agriculture, and energy providers develop clean power stations. Green partners leverage shared resources and collaborative governance to enhance food security and sustainability in Donglin Village. A green partnership integrates the power company, Agriculture and Rural Bureau, and research institutes to develop electrified circular agriculture. Initiatives include electric grain drying, reducing 106 tons of CO2 annually, carbon monitoring, zero-carbon village projects, and low-carbon awareness campaigns to expand impact and drive sustainable rural development.

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Green Revolution in Urban Mines: Circular Economy Development and Utilisation of New Energy Vehicle Battery Resources

State Grid Corporation of China

1.1 / COMPANY OVERVIEW:

As the number of new energy vehicles increases, the power station can serve as a 'battery bank'. It is therefore necessary to make full use of these battery resources and achieve the battery 'a manufacturing multiple use', in order to alleviate the intermittency of clean energy on grid security and stable operation, which is currently an unstable factor.

1.2 / TEAM MEMBERS:

CHAMPION

Shumin Sun
Chief Specialist

Yiwen Shi
Junior Engineer

Yibo Lai
Senior Engineer

Songtong Zhu
Senior Engineer

Xiangxiang Liu
Senior Engineer

1.3 / CHALLENGE SUMMARY:

How might we enhance the efficiency and sustainability of power exchange stations to increase renewable energy use, reduce emissions, and lower operational costs, thereby promoting green transportation and modern infrastructure development?

1.4 / SOLUTION DESCRIPTION:

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The project takes 'Digital Intelligence Zero Carbon' as the overall concept, innovates the new development mode of 'Battery Sharing', builds zero-carbon demonstration stations with multi-energy complementarity, high energy efficiency and safe energy use, and realises '2 technologies + 1 platform = multi-scenario applications'. The overall concept of 'Battery Sharing' is innovative.It creates a clean and low-carbon energy system, promotes energy cleanliness, conservation, intelligence and convenience, and provides a sustainable and stable energy supply for residents, businesses and society. By managing energy better, we can effectively encourage the growth of electric vehicles, power batteries and other industries.

The company has built a digital and intelligent energy aggregation and coordination platform with the aim of achieving 'full visibility' of station information, 'full visibility' of status, and 'full control' of events.

It is developing mobile energy storage devices that utilise batteries in a gradual manner, integrating various advanced technologies such as 'plug and play' and vehicle-network interaction, to meet multiple service scenarios such as customer-side power preservation, farmland irrigation and road charging and rescue. The application of digital twin technology and intelligent scheduling strategy to the 'urban mine' in the power exchange station could potentially transform it into a super-large-capacity 'charging treasure' in the 'sharing economy', with the potential to reduce peaks and fill valleys.

Green Shop

Monarch | TongYi Petroleum Chemical Co., Ltd.

1.1 / COMPANY OVERVIEW:

Energy waste and environmental pollution in the production and consumption process.Our company aims to be a pioneer in the low-carbon lubricant industry, and we need to have absolutely convincing actions to lead the low-carbon trend. It is imperative for society to reduce carbon emissions, and ecological issues must be taken seriously. We have to take on the responsibility of reducing and low-carbon emissions.

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1.2 / CHALLENGE SUMMARY:

How might we help end customers continuously promote low-carbon consumption and lifestyle to consumers through low-carbon stores, thereby creating a low-carbon lubricant image that is environmentally friendly to the city?

1.3 / TEAM MEMBERS:

CHAMPION

Arslan Adiri
Vice General Manager

Yao Mingyan
Customer Manager

Du Boxun
Product R&D Specialist

Xia Shengao
Customer Manager

Ren Yinrui
Customer Manager

1.4 / SOLUTION DESCRIPTION:

We will create personalized low-carbon lubricant products, lead the lubricant industry's attention to green and low-carbon, and become a pioneer in low-carbon lubricants for China's industry and transportation.We need to form a closed loop for the green and low-carbon chain, from procurement and production to intermediate suppliers, to end customer stores, and ultimately through waste oil recycling back to factories, forming a low-carbon closed loop. We must achieve green and low-carbon at every step and stage:

1) Promote the sale of low-carbon and biodegradable products;

2) Promote sales of disposable packaging, plastic free packaging, and biodegradable packaging;

3) Low carbon operation, using energy-saving lamps, green electricity and other low-carbon and sustainable methods to operate stores;

4) Promote low-carbon lifestyles and consumption patterns;

5) Waste recycling, stores can classify and recycle waste oil and waste.

Low-carbon Management Solution for the Entire Value Chain of Products

Chint New Energy Technology Co., Ltd.

1.1 / COMPANY OVERVIEW:

The key challenge is achieving low-carbon management across the entire value chain. With strict carbon tariff and footprint regulations, especially in Europe, green standards are crucial. Risk assessments, industry trends, and stakeholder research show that low-carbon management is essential for competitiveness. Therefore, we prioritize full value chain sustainability to drive corporate growth and embed green, low-carbon principles into our operations.

1.2 / TEAM MEMBERS:

CHAMPION

Gang Luo
Sustainability Department Director

Qi Song
ESG Manager

Zhuoya Gao
Product Certificate Engineer

Guiying Ye
Product Management Engineer

Chengtao Zhang
Legal Counsel

1.3 / CHALLENGE SUMMARY:

How might we assist our upstream suppliers to achieve low carbon management so that we can improve the green performance and competitiveness of our products, realise low carbon management across the value chain, and make a positive impact on the ecosystems?

1.4 / SOLUTION DESCRIPTION:

We will conduct:

1) Carbon audits, set green supplier thresholds, and embed low-carbon design principles and 2) Zero-carbon factories, energy-saving projects, and recycling R&D drive sustainability.

Chint New Energy established an ESG governance system and the "Green Supply Chain Management System" to promote low-carbon management across the value chain. These initiatives will enhance policy development, industry leadership, consumer awareness, and environmental protection by reducing resource use and emissions. The solution aligns with carbon peaking and neutrality goals through "Green Manufacturing" standards. The "Green Supply Chain Management System" clarifies responsibilities, ensuring efficient low-carbon management. The Green Supplier Evaluation including self-assessment and on-site audit help select eco-friendly supplier enhancing sustainability. Green design optimizes materials, reducing emissions and boosting competitiveness. Zero-carbon factories and recycling partnerships drive efficiency and innovation. Though investment is high, long-term savings, brand growth, and investor appeal make it a smart, sustainable strategy.

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Guangdong Dongpeng Holdings Co., Ltd.

DP ECO Material: Act Upon Locality

1.1 / COMPANY OVERVIEW:

We are committed to creating circular and regenerative materials for “Zero Waste” cities building comprehensive eco-friendly products from the source. We initiate local material research and technology incubation to enable the regeneration of sustainable materials. By integrating urban governance with low-carbon industries, we provide industrial solutions for zero Waste city construction. We merge green building design with eco materials and empower low-carbon architecture through the versatile application of ecological and environmentally friendly materials.

1.2 / TEAM MEMBERS:

CHAMPION

Shi Qing Chen
Director of Supply Chain Quality Management

Ling Zhu
Manager of Supply Chain System

Man Hong Huang
Public Relations Director

1.3 / CHALLENGE SUMMARY:

How might we transform solid waste from industrial production and urban construction into reusable materials to reduce pollution and resource consumption, promoting a more sustainable and circular economy?

1.4 / SOLUTION DESCRIPTION:

The DP ECO MATERIAL-ACT UPON LOCALITY project delivers innovative, eco-friendly building materials for designers and builders. Independently developed, DP ECO MATERIAL integrates sustainability with aesthetics, offering a low-carbon, customizable solution. Made from 70% recycled solid waste like ceramic waste and slag, it uses a non-fired compression technique for a natural stone-like finish. Inspired by local materials, it merges function with culture, advancing sustainable development.

Centered around Dongpeng Jiangxi Hukou's production base, the ACT UPON LOCALITY project sources raw materials from Jingdezhen, Poyang Lake, and Jiujiang, transforming industrial solid waste into sustainable building materials. Using advanced equipment, modified inorganic cementitious materials, and precise molding techniques, DP ECO MATERIAL offers rich colors, customizable textures, and industry-leading strength. Its innovative dry production line enhances stability, sustainability, and design versatility.

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Building China's Building Carbon Credit Ecosystem for a Sustainable Future

Greenland Financial Holdings Group

1.1 / COMPANY OVERVIEW:

This project addresses the issues of standardization, transparency, and trading efficiency within China's building carbon credit system. The building sector contributes to nearly 50% of China's carbon emissions, but the adoption of low-carbon technologies and energy-saving retrofits is hindered by high costs, fragmented ownership, and lack of incentives. The project aims to overcome data quality challenges, improve regulatory processes, and drive energy conservation through the China Building Carbon Credit (CBCC) mechanism.

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1.2 / CHALLENGE SUMMARY:

How might we enhance the credibility, efficiency, and accessibility of building carbon credits to help building owners, operators, and policymakers effectively monitor, verify, and trade carbon credits, in order to drive energy efficiency, reduce carbon emissions, and accelerate the transition to a low-carbon built environment?

1.3 / TEAM MEMBERS:

CHAMPION

Dr. Xiang Li
Chief Sustainability Officer

Xuewen Yan
ESG & Sustainability Researcher

Xinlei Huang
Digital Economy Researcher

1.4 / SOLUTION DESCRIPTION:

Our solution leverages IoT, AI, blockchain, and big data to enhance the credibility, efficiency, and accessibility of building carbon credits. It automates carbon data collection, verification, and trading, reducing costs and improving market transparency. This enables building owners, operators, and policymakers to efficiently monitor emissions, trade credits, and drive low-carbon development, fostering a transparent, scalable carbon credit ecosystem. Our solution integrates IoT sensors for real-time carbon data collection, AI and big data for emission analysis, and blockchain for transparent verification and trading. Smart contracts automate carbon credit transactions, ensuring secure, efficient operations. These technologies work together to optimize carbon market functionality, provide real-time insights, and enable seamless, cost-effective carbon credit trading, supporting sustainable development and green finance.

Bringing Regenerative Medicine to Community Wound Care: A Home-based Innovation for the Elderly

MEBO International

1.1 / COMPANY OVERVIEW:

The project addresses the critical challenge facing healthcare systems due to rapidly aging populations, particularly bedbound elderly with pressure ulcers. Insufficient healthcare resources, shortage of caregivers, and inadequate home care lead to severe health complications, recurrent hospitalizations, and heavy burdens on families and healthcare providers. Addressing this issue is essential to improving elderly well-being and promoting equitable, sustainable healthcare development.

1.2 / TEAM MEMBERS:

CHAMPION

Gang Liu
Vice President

Xiaoxiao Chen
Director of UN Projects & International Affairs

Zhongyu Yin
Brand Manager

Yuhan Du
Medical Science Liaison

Xiaoyun Fan
Financial Manager

Yuexiang Sun
Business Development Specialist

1.3 / CHALLENGE SUMMARY:

How might we help elders with pressure ulcers and long-term care needs receive better healthcare services and alleviate their suffering, both physically, psychologically, and financially, in order to reduce the negative impacts of global aging on sustainable social development and enhance good health and well-being (SDG 3)?

1.4 / SOLUTION DESCRIPTION:

Our solution builds a community care ecosystem for elderly pressure ulcer treatment.

By training wound therapists in MEBT/MEBO, we enhance home care accessibility. Key features include MEBO dressing application, e-medical platform for wound monitoring, timely professional referrals, and integration with internet hospitals for comprehensive care. This approach improves equitable healthcare access, reduces hospital burden, and enhances elderly well-being through localized and cost-effective care. Our solution leverages MEBO's regenerative medical technology, including MEBO dressing and wound care, to treat elders' pressure ulcers. MEBO's partnerships with governments, hospitals, and medical institutions form a collaborative network, ideal for establishing community-based care services. Through training wound therapists and integrating an e-medical platform for wound monitoring, we optimize resource allocation, improve care delivery, and support elder care policy improvements.

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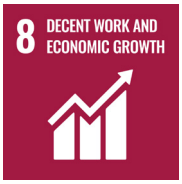
Leveraging Information Technology to Enhance the Quality of Life for the Visually Impaired



Beijing Prudence Interactive Technology Co., Ltd.

1.1 / COMPANY OVERVIEW:

The project addresses the accessibility gap in smartphone usage for visually impaired individuals. Many face barriers due to limited awareness, inadequate training, and non-intuitive interfaces. By leveraging information technology, we aim to enhance accessibility, usability, and adoption rates, ultimately improving their quality of life through greater digital inclusion, independence, and access to essential services.

1.2 / TEAM MEMBERS:

CHAMPION

Lu Wang
Vice General Manager

Haiju Yu
Marketing Director

Tong Zhou
New Media Operation Supervisor

1.3 / CHALLENGE SUMMARY:

How might we develop a product specifically for the visually impaired to enhance their smartphone usage, enabling greater digital inclusion and improved quality of life?

1.4 / SOLUTION DESCRIPTION:

The solution enhances smartphone accessibility for the visually impaired through multimedia awareness campaigns, user-centered product design, and continuous R&D. We conduct in-depth user research, leverage data analysis for optimization, and foster cross-sector partnerships to share resources. A flexible business model ensures adaptability, while strong community engagement guarantees that products align with real user needs, driving inclusivity and digital empowerment.

The solution integrates AI for voice recognition and smart assistance, spatial audio for enhanced navigation, and user-generated content (UGC) to provide real-world insights. These technologies improve accessibility, allowing visually impaired users to interact with smartphones more intuitively. Through continuous R&D and user research, we refine features to ensure usability, personalization, and seamless integration into daily life, ultimately enhancing digital inclusion

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Germany

Impact of Green Material on Voith's Supply Chain Emissions

J.M. Voith SE & Co.KG

1.1 / COMPANY OVERVIEW:

Steel products have a significant impact on Scope 3.1 upstream emissions. Currently, there is limited availability of green steel, and potentially higher costs and longer delivery times lead to a lack of demand. At the same time, regulatory requirements, such as the EU Green Deal and the EU Emissions Trading System, are becoming more stringent, while customer expectations for sustainable practices are increasing.

1.2 / TEAM MEMBERS:

CHAMPION

Matthias Steybe
Corporate Sustainability
Vice President

Sarah Schumacher
Project Manager
Purchasing Excellence

Michael Schneider
ESG Project Manager

1.3 / CHALLENGE SUMMARY: /

How might we support Voith successfully reducing CO2 emissions in the supply chain to improve global emissions as well as ensuring Voith's economic competitiveness and growth?

1.4 / SOLUTION DESCRIPTION:

A detailed analysis of CO2 emissions from pilot components revealed that some suppliers are not yet able to provide comprehensive emissions data. Nevertheless, the available primary data typically show lower emissions than secondary data. Green steel presents significant potential for further reducing the Product Carbon Footprint (PCF), but it currently comes with higher costs. The timeline for achieving cost competitiveness for green steel remains uncertain and depends heavily on factors such as the pricing of EU Emissions Trading System (ETS) certificates and the expansion of production capacities. Close collaboration with suppliers and proactive supplier engagement serve as the most effective levers to achieve meaningful emission reductions. Our solution involves a systematic approach to addressing emissions in the supply chain. We conducted an impact analysis to identify emission hotspots, followed by an environmental and market analysis to understand the broader context. We researched technological advancements in green steel production, such as hydrogen-based methods, and identified pilot components to test feasibility. Additionally, we engaged in direct inquiries and collaboration with suppliers to foster transparency and drive actionable results.

Circular Economy in the Plastics Industry

Mocom
Otto Krahn

1.1 / COMPANY OVERVIEW:

Environmental pollution caused by plastic is one of the greatest global challenges. Although plastic is a high-performance material, it is too rarely kept in the cycle. Existing recycling technologies and concepts are not used efficiently.

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1.2 / TEAM MEMBERS:

CHAMPION

Jens Kaatze
CEO

Moritz Fallasch
Head of Group Corporate Sustainability

Alina Jaenecke
Sustainability Specialist

Silvia Wucherpfennig
Assistant to Management Board

Dominik Händler
Director Sourcing & Product Management

1.3 / CHALLENGE SUMMARY:

How can we support injection molders and end users in making greater use of circular economy approaches to enhance the value of plastic as a powerful resource and reduce plastic waste?

1.4 / SOLUTION DESCRIPTION:

We provide closed-loop solutions to promote an efficient and sustainable circular economy. Our services include the collection, processing, and reintegration of recycled plastics into the production cycle, ensuring effective material reuse. Through specialized consulting, we support businesses in optimizing material cycles, reducing waste, and making regulations more accessible while fostering connections between key stakeholders. Our technical evaluation service analyzes complex waste streams and offers tailored recycling solutions.

The Process:

1) Analysis of material details and processes;

2) Conducting tests on a production scale;

3) Commercial and technical evaluation;

4) Integration of the solutions into regular operations.

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Digital Assistant in Sustainable Event Management

Proske GmbH

1.1 / COMPANY OVERVIEW:

The organization and implementation of events is very CO2 intensive. Mobility accounts for around 70% of the carbon footprint of events, followed by food and beverages (15%) and event materials (5-10%). Nowadays, there is often still a lack of knowledge about more sustainable options or customers are advised on this during event planning.

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1.2 / TEAM MEMBERS:

CHAMPION

Lennart Bendix
Sustainability Expert

Janina Gellenbeck
Junior Project Manager

Katarzyna Matuszczak
Business Development & Marketing Representative

Lino Stratmann
Senior Art Director

1.3 / CHALLENGE SUMMARY:

How might we help event project leads to create awareness for sustainable event solutions and consult our clients in continuously integrating those into the event planning process?

1.4 / SOLUTION DESCRIPTION:

Sustainability in events depends on various components, such as event scope, target group, customers and destination. However, there is often a lack of time and knowledge to apply sustainable solutions. Based on core data such as event scope, number of participants and destination, it provides individual recommendations on the most effective areas of sustainability for the event in question at the start of the planning process. The assistant serves as a guide for the customer and an orientation aid in the planning process.

Our digital assistant helps event planners overcome this hurdle. It offers concrete suggestions for action and proposes suitable, sustainable suppliers.

Initial tests have shown a positive response, even if the prototype still needs to be optimized. The solution is a digital assistant (app, website, program) that is linked to a database of suppliers, as well as a knowledge data base with best practices. The event planner fills out a pre-defined questionnaire and, based on the given answers, the assistant filters the data and knowledge base for the most suitable sustainable event practices and suitable suppliers to implement those. The solution is meant to be used in the early planning phase as high-level guidance, but requires additional analysis based on financial and sustainable impact by the event planner, to adapt the suggested solutions to the individual event.

Incentivizing Environmentally Conscious Shopping Behavior: “Green Beauty Points”

Douglas Group /

1.1 / COMPANY OVERVIEW:

The beauty industry produces a lot of emissions through its core business. We want to reduce this negative effect by nudging our 59 million loyalty program members to more sustainable behavior.

1.2 / TEAM MEMBERS:

CHAMPION

Sarah Schlegel
Head of ESG & Sustainability

Matiéna Marie Scheppe
Brand Manager Global Marketing

Niomie Antony Cruz
Supply Chain Process Manager

Daniel Moorttola Schröder
Store Manager

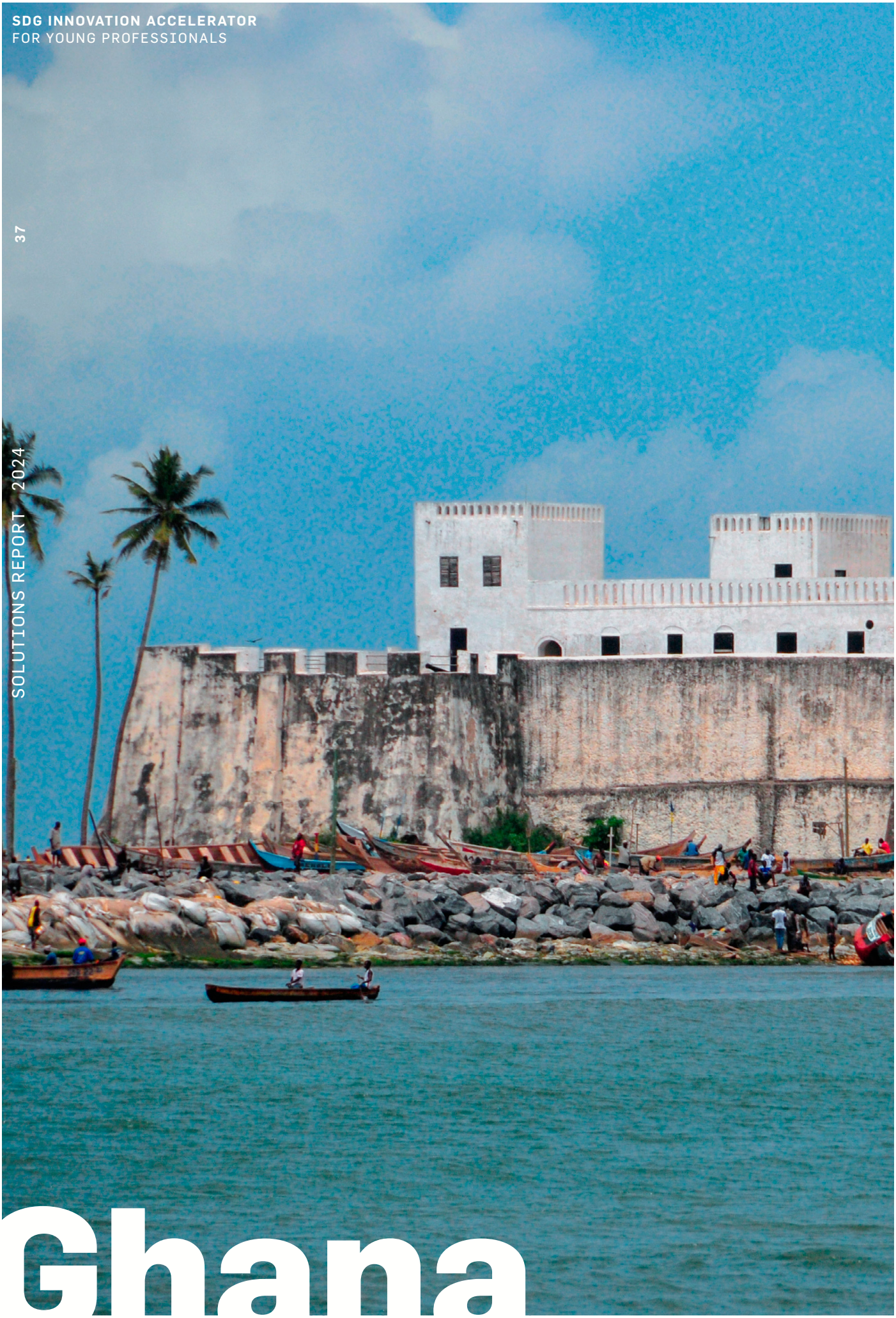
Luca Sofia Kalenborn
Senior Brand Manager

1.3 / CHALLENGE SUMMARY: /

How might we enable our DOUGLAS customers to shop environmentally conscious while enjoying the best beauty shopping experience in order to reduce negative environmental impact?

1.4 / SOLUTION DESCRIPTION:

We enlarge our existing Beauty Card Program, where customers can collect points for purchases. With in-store returns or pick-ups, shopping more sustainable products, choosing digital receipts & more they now get “Green Beauty Points” that work as our regular Beauty Points. Customers choose a more sustainable option (products, brands, services) and get extra Beauty Points for this behavior. Additionally they can be earned with quizes & challenges about sustainability. Beauty Points can then be used for upcoming purchases or be donated for charity.



Ghana

LegalFinds

Blay and Associates

1.1 / COMPANY OVERVIEW:

In Ghana, legal documents are hard to obtain and even more difficult to verify and cross-check. Students of the law require updated cases and statutes but have to travel to get copies of these documents placing significant stress on these students. For lawyers, obtaining legal documents are key in completing assignments for clients amongst others. Oftentimes lawyers travel to the various state agencies and court registries in order to obtain documents. The first problem being the fact that these agencies still use papers and the second and most pressing problem is the amount of fuel emitted due to constant travels by the lawyers. In terms of the general public, there is a general lack of information and legal knowledge within the general populace. Most Ghanaians do not know what their rights are and how to defend themselves in general situations.

1.2 / TEAM MEMBERS:

CHAMPION

Lucie Blay
Managing Partner

Davidina Nana Aba Dadson
Associate Lawyer

Isaac Nartey
Paralegal

Linda Forson
Junior Associate

1.3 / CHALLENGE SUMMARY:

How might we make legal documents and information readily available and accessible to parties in need of such information?

1.4 / SOLUTION DESCRIPTION:

Every person has a gadget of some sort with internet, be it a phone, tablet, laptop etc. In this regard, our solution is an online portal that centralizes legal documents in Ghana. Every student, lawyer, person in Ghana, and to a larger extent, the international community can access these legal documents without the other encumbrances. The online portal would, in partnership with the Court Registries, State Agencies, legal authors amongst others make legal documents readily accessible to the general public. The documents from these entities would be uploaded and frequently updated to keep the online portal running. This would significantly boost Ghana's contribution towards achieving the sustainable development goals.

Mine Minds

Ghana Manganese Company /

1.1 / COMPANY OVERVIEW:

Our project addresses the socio-economic challenges faced by communities near mining operations. Many lack access to quality education, employment opportunities, and sustainable income sources, leading to economic dependence on mining jobs. Additionally, environmental degradation and weak community engagement fuel tensions between mining companies and locals. By integrating entrepreneurial and technical training, we foster self-sufficiency, economic resilience, and improved community relations.

1.2 / TEAM MEMBERS:

CHAMPION

Ramatu Ali- Toure
Learning & Development Coordinator

Israel Atumowe Wompiah
Safety Officer

Anastasia Adimah
Resource Geologist

Kwasi Asamoah
Production Geologist

Emmanuel Smart Arkoful
Mine Geologist

1.3 / CHALLENGE SUMMARY:

How might we equip local communities with entrepreneurial and technical skills to create sustainable livelihoods, reducing dependency on mining jobs while fostering economic resilience and strengthening our social license to operate?

/

1.4 / SOLUTION DESCRIPTION:

Our solution integrates entrepreneurial training with technical mining skills to empower local communities. Participants gain hands-on experience, business development support, and sustainability training. This reduces dependency on mining jobs, fosters local enterprises, and strengthens social license to operate. Key benefits include job creation, economic resilience, environmental stewardship, and gender-inclusive opportunities for sustainable community growth. Our solution combines classroom learning, hands-on training, and mentorship. Participants receive technical and entrepreneurial skills through simulations, role-playing, and an interactive digital platform for business planning. Sustainability workshops teach eco-friendly practices. Mining companies provide training sites, while partnerships offer funding and expertise. Continuous evaluation ensures alignment with industry needs, fostering job creation and community-driven enterprises.

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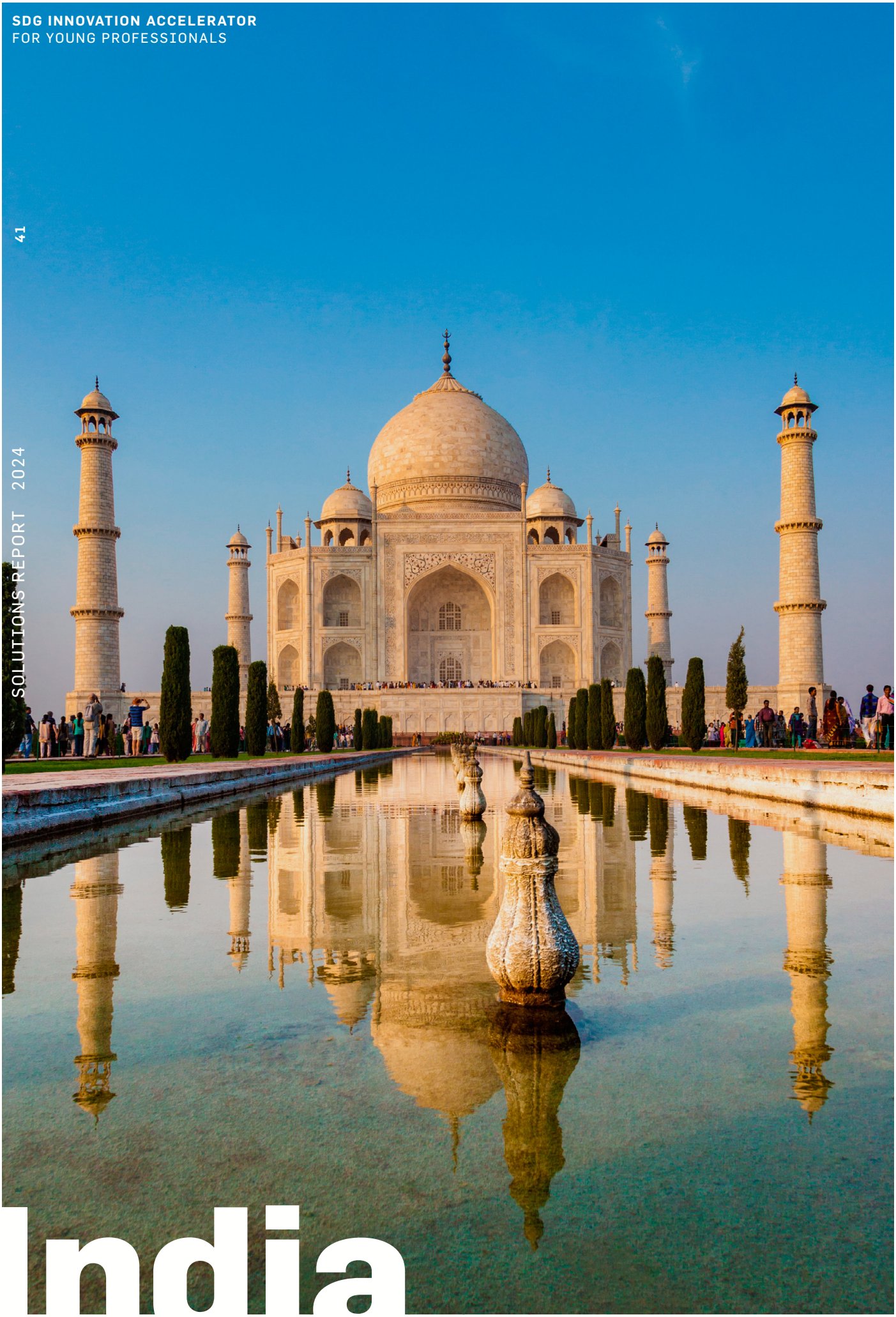

India

JSW Cement

Biomass Utilisation in the Indian Cement Industry

1.1 / COMPANY OVERVIEW:

Cement manufacturing is a hard-to-abate industrial sector that accounts for 5-8% of global anthropogenic emissions. Approximately 80-90% of these emissions occur during limestone calcination and fuel combustion processes. Decarbonising these two emissions and energy–intensive processes requires a sustained and regenerative supply of low-carbon resources. India is aiming for net-zero carbon emissions by 2070. The Indian cement industry has set voluntary and ambitious emission reduction targets to reduce 45% of its carbon emission intensity by 2050 from 2010 levels, and JSW Cement is committed to meeting these goals with innovation and vigour.

1.2 / TEAM MEMBERS:

CHAMPION

Monika Shrivastava
Head of Sustainability

Kanchan Jagtap
Senior Officer Sustainability

Harsh Dodia
Senior HR Manager

Shiv Bhagwan
Corporate Social Responsibility Lead

Nitin Sharma
Deputy Manager Medical Affairs

1.3 / CHALLENGE SUMMARY:

How might we support Voith successfully reducing CO2 emissions in the supply chain to improve global emissions as well as ensuring Voith's economic competitiveness and growth?

1.4 / SOLUTION DESCRIPTION:

JSW Cement aims to replace 30% of conventional fuels with biomass by 2030, integrating sustainability with community engagement. The initiative, implemented across 12 villages, promotes circular economy practices through cement kiln co-processing, reducing CO2 emissions and boosting rural livelihoods. By ensuring regulatory compliance, fostering investor confidence, and advancing waste management, the project enhances environmental, economic, and social sustainability.

Development of Sustainable Nutritious Framework

Tata Motors Limited

1.1 / COMPANY OVERVIEW:

Tata Motors aims to transform its canteen services into a model of sustainable innovation and corporate responsibility. By balancing resource availability, financial feasibility, and cultural preferences, the company seeks to implement sustainable sourcing, energy-efficient technologies, and waste management. This initiative enhances employee well-being while setting a benchmark for integrating food sustainability, health, and environmental responsibility, creating a blueprint for meaningful change.

1.2 / TEAM MEMBERS:

CHAMPION
Sachin Thakur
Director of Corporate Sustainability

Rudhran Uthandarajan
Senior Manager

Swetha Saraswathi
Senior Manager

Akhilesh Mishra
Senior Manager of Product Audit

Sachin Masalage
Senior Manager

1.3 / CHALLENGE SUMMARY:

How might we transform corporate canteen services into a model of sustainable innovation by balancing resource availability, financial feasibility, and cultural preferences to enhance employee well-being and set a benchmark for food sustainability?

1.4 / SOLUTION DESCRIPTION:

Tata Motors will develop a Sustainable Nutrition Framework by integrating ESG KPIs into canteen operations, aligning with SDGs. Employee feedback will guide enhancements, ensuring sustainability while improving well-being. A baseline assessment will identify gaps, setting targets for sustainable sourcing, resource efficiency, and waste reduction. This initiative fosters a health-conscious workplace, reinforcing Tata Motors' commitment to innovation, corporate responsibility, and sustainability.

Airtel Limited

Reducing E-Waste and Carbon Emissions in the Value Chain

1.1 / COMPANY OVERVIEW:

Airtel faces challenges in managing e-waste and reducing carbon emissions due to high demand for telecom services. Key issues include the accumulation of obsolete hardware and consumer device waste, hazardous materials contaminating soil and water, and the need for specialized recycling facilities. Navigating complex e-waste regulations and ensuring responsible disposal across supply chains add to the challenge. Additionally, managing carbon emissions remains crucial for minimizing environmental impact.

1.2 / TEAM MEMBERS:

CHAMPION

Col. Arun Hariharan
Vice President & National Head

Mudit Shukla
Deputy Lead, Legal & Regulatory

Vikram Rauthan
Deputy Lead, Legal & Compliance

Bhuwan Chugh
Senior Manager SCM Risk Management

Swarananda Mohapatra
ESG & Network Assistant Manager

1.3 / CHALLENGE SUMMARY:

How might we enhance e-waste management and reduce carbon emissions in the telecom industry by improving responsible disposal, optimizing recycling processes, and navigating complex regulations to minimize environmental impact?

1.4 / SOLUTION DESCRIPTION:

Airtel's Green STB transforms regular TVs into smart devices via a USB insert, eliminating cables and reducing e-waste. By extending TV lifespan and enabling access to modern telecom innovations, it offers a cost-effective alternative to smart TVs. Its smaller size and lower energy consumption minimize environmental impact. With repair services and refurbished units, the initiative promotes sustainability while enhancing affordability, resource efficiency, and long-term profitability.

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Indonesia

Reviving Hope: Transforming Mining Voids into Sustainable Clean Water Sources

MMS Group Indonesia

1.1 / COMPANY OVERVIEW:

Post-mining voids pose environmental, social, and economic challenges, often leaving communities without access to clean water. Without intervention, these voids degrade into hazardous, stagnant bodies, exacerbating water scarcity and public health risks. Our project repurposes abandoned mining pits into sustainable, gravity-powered reservoirs, ensuring long-term water security while fostering economic empowerment, environmental rehabilitation, and improved community resilience.

1.2 / TEAM MEMBERS:

Akhmad Hamzah
Sustainability & Projects Division Head

Nita Arsita Dewi
Sustainability Section Head

Annisa Permata Dewi
Digital Strategy Section Head

Yovita Larasati
Public Affairs Specialist

CHAMPION

Wijayono Sarosa
GM Mining Support

/

1.3 / CHALLENGE SUMMARY:

How might we help coal companies manage post-mining voids to create an effective mine closure program that ensures the sustainability of surrounding communities?

1.4 / SOLUTION DESCRIPTION:

Our project leverages Hydraulic Ram Pump (Hydram) technology to transform abandoned mining voids into self-sustaining clean water sources. This cost-effective, electricity-free system utilizes gravity to deliver water to surrounding communities. The initiative integrates local capacity-building, empowering community members to manage and maintain the system. By ensuring long-term access to safe water, we enhance public health, economic opportunities, and environmental restoration. The Hydram system operates using gravity-driven technology, eliminating the need for external energy sources. Water from the mining void is pumped, filtered through a Water Treatment Plant (WTP), and distributed via a piping network to households and agricultural lands. The system is designed for low-cost maintenance and long-term functionality, with local enterprises trained to manage operations. A multi-stakeholder approach ensures sustainability and scalability.

Community-Based Indonesia HDPE Recycling Facility

Dynapack Asia

/

1.1 / COMPANY OVERVIEW:

By 2023, 82% of plastic waste in Asia ends up in landfills. Indonesia generates 6.8 million tons of plastic waste, of which only 10% is recycled. With that situation, waste pickers play a significant role in the “Plastic Circulation Cycle” to collect recyclable waste. Indonesia also has around 3.7 million waste pickers classified as informal sector workers, where child labor and modern slavery are common.

1.2 / CHALLENGE SUMMARY:

How can we mitigate waste management in Indonesia through plastic circularity while addressing existing social issues?

1.3 / TEAM MEMBERS:

CHAMPION

Sebastien Borne
Procurement
& Sustainability
Director

Alexander Bryan Sutjipto
OSM Business Analyst

Nathania Abigael
CSR & Sustainability Communication Specialist

Caleb Patrick Sihar
Environmental Sustainability Specialist

1.4 / SOLUTION DESCRIPTION:

Creating a community-based High-Density Polyethylene (HDPE) recycling initiative in Indonesia to reduce mismanaged plastic waste. The innovators' team is also improving the livelihood of waste pickers by implementing fair wages and creating safer working conditions with an improved post-consumer HDPE waste collection system through collection centers and integrating waste pickers into the recycling process.

By innovating a recycling facility, the innovators' team has created a new cycle of plastic production.

Plastic can be revitalized and turned into pellets that can later become materials to produce other products. This approach encourages direct interaction with waste pickers incorporating them into the value chain. Currently, 4 dropboxes have been implemented to support sustainable consumption by consumers and assist companies in their commitment to eco-friendly production. In the future, about 16 dropboxes will be installed to reach larger audiences.

PT Domas Agrointi Prima

Biomass Pellets as Renewable Energy for Better Environment

1.1 / COMPANY OVERVIEW:

To balance the increase in GHG inventory data in Scope 1 and Scope 3, the team is enhancing the use of shells and fibers as biomass fuels. This strategy helps reduce total net GHG emissions and lowers GHG intensity per ton of product produced. However, the increased reliance on these materials often introduces foreign objects such as stones, gravel, soil, mud, and moisture that can diminish their effectiveness as boiler fuel and pose risks of equipment damage.

1.2 / TEAM MEMBERS:

CHAMPION

Sabar Sitorus
Vice President of Operations

Michael Kosastra
CEO Office Manager

Pravil Mistryanto Tambunan
Quality Assurance Assistant Manager

1.3 / CHALLENGE SUMMARY:

How can we maintain the use of biomass fuels to reduce GHG emissions while ensuring fuel quality, enhancing efficiency, and minimizing equipment wear and tear?

1.4 / SOLUTION DESCRIPTION:

Producing biomass pellets from waste materials to enhance environmental sustainability, reduce operational GHG emissions, promote a circular economy, and provide social benefits to local communities. The innovators team replaces shells and fibers with uniform, compact solid fuel by using biomass from domestic waste, including wood, straw, and ilalang. In Kuala Tanjung, Batubara District, 270MT of waste is generated daily, with 76% unmanaged, contributing to 160,933MT annually. Waste is collected through ToSS centers, which convert it into biomass using advanced sorting and electric logistics. This circular economy model produces high-quality biomass pellets, ensuring efficiency and sustainability.

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Improving Financial Health of the Lower-Middle Market Through Non-Predatory Responsible Lending

Dynapack Asia

1.1 / COMPANY OVERVIEW:

Online lending (PINJOL) started as a ‘faster’ loan alternative in Indonesia, but increasingly comes with predatory elements: extremely high interest rates, unreasonably high maximum limits, and hidden fees, trapping borrowers in a cycle of debt.

1.2 / TEAM MEMBERS:

CHAMPION

Andy Djiwandono
Head of Digital Lending

Andhina Ratri Aryani
Sustainability Program Activation Specialist

Vito Christian
Product Manager Digital Lending

Edo Velandika
Community Manager

Muhammad Pandu
Consumer Business Manager

1.3 / CHALLENGE SUMMARY:

/

How might we improve the financial health & productivity of the lower-middle income segment in order through non-predatory responsible lending?

1.4 / SOLUTION DESCRIPTION:

Jago's responsible lending, offered directly through the Jago app, aims to provide a non-predatory alternative, through 4 key benefits: personalised, fast, early repayment, and transparent.

1. Personalised user experience that helps improve financial health, rewarded with personalised interest rates, limits, and tenors. Built using big data and machine learning making it affordable by suiting the financial health of borrowers.

2. Eligible customers can get loans instantly without the need to wait for days/weeks. This is a critical element to help borrowers get out of time-sensitive emergencies.

3. Possible early repayment with lower interest, something truly unique in the market

4. Transparent with all the fees and monthly repayments.

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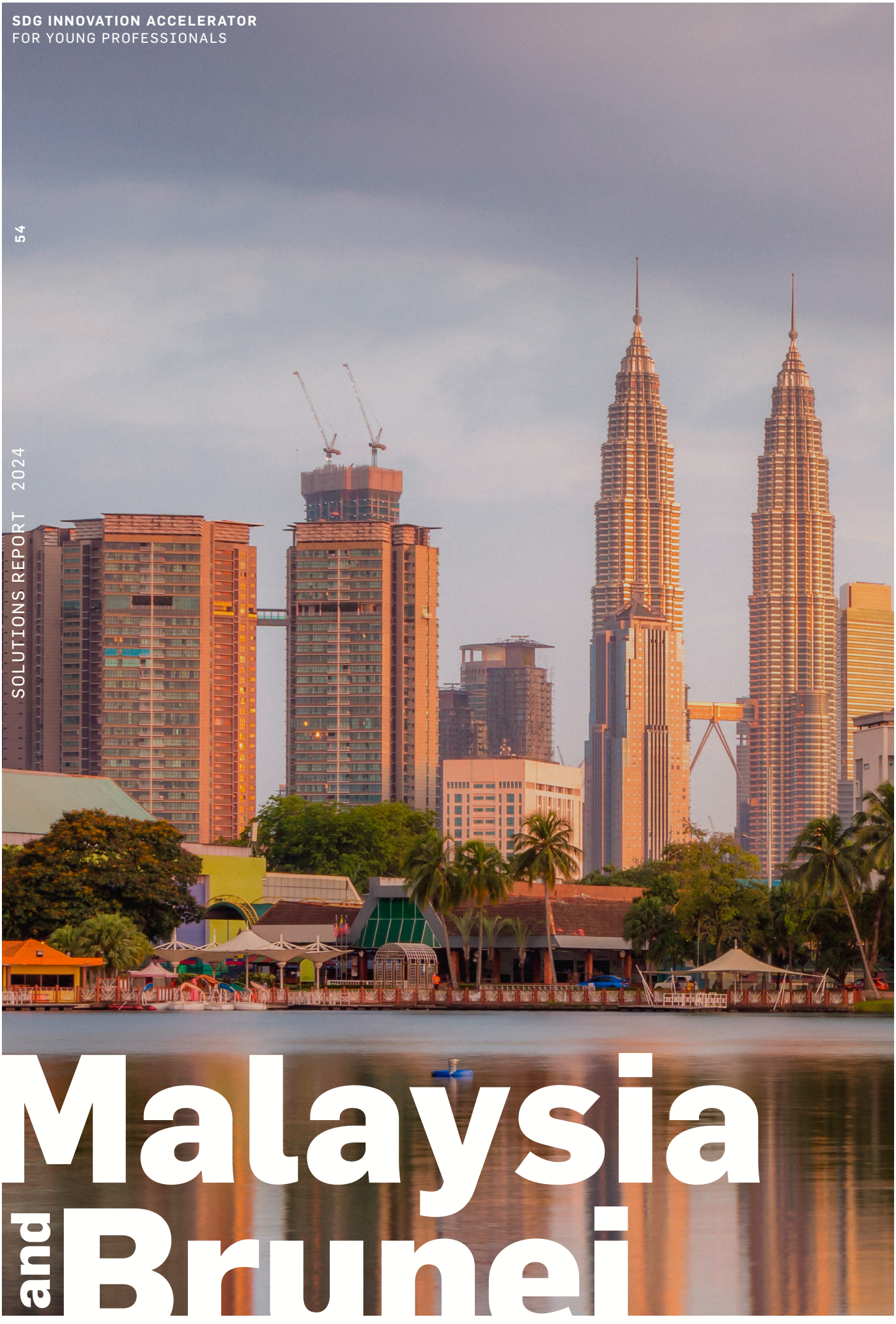


Malaysia and Brunei

Vinda Malaysia Sdn Bhd

Paper Packaging for Hygiene Industry

1.1 / COMPANY OVERVIEW:

Product hygiene is a priority in all Vinda product launches to ensure our end consumers get the best quality in our products. However, to ensure quality, we end up using plastic-based materials in huge quantity across our packaging which is detrimental to environment. 40 % is from packaging alone, 9 % is recycled, 19 % incinerated and 50 % ends up in the landfill.

1.2 / TEAM MEMBERS:

CHAMPION

Helen Yeoh
Associate Product Development Director

Samantha Loo
Senior Brand Innovation Manager

Wilsen A/L Kannan
Assistant Packaging Project Manager

1.3 / CHALLENGE SUMMARY: /

How might we reduce plastic usage in Vinda's products and packaging by exploring sustainable alternatives that can be effectively recycled within Malaysia's existing facilities to minimize landfill waste?

1.4 / SOLUTION DESCRIPTION:

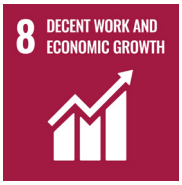
The solution involves introducing paper-based packaging that can be used in the hygiene industry, either through manual or automated packing. This requires designing and sourcing materials suitable for an automated setup. Additionally, it is essential to create demand for paper packaging to encourage other organizations to adopt this approach. Establishing a recycling and collection program among recyclers, producers, and end consumers is also crucial. To further increase the return rate of packaging, a reward-based system will be implemented for end consumers:

1. Change the hygiene industry in Malaysian market.
2. Makes packaging Circularity a reality.
3. Utilizes Innovative Technology & collaboration to tackle a global problem.
4. Instill a Sustainability & Responsibility mindset approach.
5. Make Sustainable packaging solution available at an Affordable cost.

Mexico

Orbia's AgroNet

Orbia Advance Corporation



1.1 / COMPANY OVERVIEW:

Our project addresses the economic and environmental challenges faced by smallholder farmers particularly those in developing countries. Over 600 million smallholder farmers globally, including 1.2 million in Mexico, struggle with high industry costs, limited access to modern irrigation and technology, and vulnerability to climate change. Despite producing more than a third of the world's food, these farmers face economic hardship and environmental degradation.

1.2 / TEAM MEMBERS:

CHAMPION

Tania Rabasa Kovacs
President of Orbia Mexico

Samantha Carrera
Sustainability Analyst

Ana Nava
Legal Counsel

Edgar Manuel Cervantes
Board & Public Affairs Coordinator

Martha Fabiola Segovia
IT Specialist

1.3 / CHALLENGE SUMMARY:

How might we provide smallholder farmers the tools, resources and technology to gain a competitive advantage in the market, improve their day-to-day farming practices, and support their future growth, so they can enhance crop productivity, secure stable and formal income, and adopt resource-efficient methods that minimize their environmental impact?

/

1.4 / SOLUTION DESCRIPTION:

Orbia's AgroNet is a transformative ecosystem for smallholder farmers, consolidating four essential tools, including our precision drip and fertirrigation technology, agricultural and financial management software, and a marketplace.

This platform helps farmers minimize resource use (such as water and fertilizers), reduce costs, and lower environmental impact. It can also improve financial management and boost crop yields, addressing multiple needs in one cohesive solution. Our platform connects smallholder farmers to the food and agricultural value chain through four key technological features into one digital platform that work as follows: Precision agriculture reduces water and fertilizer use by delivering resources based on real-time crop needs through the agri-management software which tracks inputs, outputs, and resource use, guiding farmers to improve efficiency. Financial tools help manage income and expenses, while the marketplace connects farmers directly to buyers and sellers, ensuring fair prices. This integrated approach creates a more efficient, sustainable, and equitable value chain. Smallholder farmers can become more resilient, productive, and profitable, breaking the cycle of poverty and vulnerability, enhancing their livelihoods.

FNAMOCION

Banca Mifel S.A.

1.1 / COMPANY OVERVIEW:

Finance and its relationship to emotions and mental health is a controversial topic in many societies. In Mexico and other countries there are several studies that catalog the importance of financial health in mental health, as well as money is the second most common stress factor in Mexican youth and adults. In addition, according to field studies, most young people and young adults are unaware of personal finance issues.

/

1.2 / TEAM MEMBERS:

CHAMPION

Carlos Mauricio Sanchez Maldonado
Executive Director of Human Resources

Monserrat Lara Gomez
ASG Risk Analyst

Diana Laura Perez Garcia
Credit Management Analyst

Andrea Gabriela Hernandez Islas
Human Resources Analyst

1.3 / CHALLENGE SUMMARY:

How migth we generate and interactive, relevant and fun financial and mental health awareness for youth where we can reach out to youth from different communities?

1.4 / SOLUTION DESCRIPTION:

Finamocion is a game with worlds where through games and relevant and interactive information players learn and receive financial and mental health tips. Finamocion includes 3 phases where digital interaction, interactive experience and a listening space complement each other.

Finamocion relies on various technologies such as artificial intelligence and new realities. Finamocion and the technologies support each other to adapt and generate relevant and interactive information that is used for the development of financial and mental health knowledge.

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Sri Lanka

Adforestration

John Keells Holdings PLC

/

1.1 / COMPANY OVERVIEW:

The transportation and logistics sector is one of the largest contributors to global greenhouse gas (GHG) emissions, making decarbonization a pressing challenge. As the world moves toward cleaner solutions—such as alternative fuels, electric vehicles, and hydrogen-powered transport—many regions, including Sri Lanka, lack the necessary infrastructure to support these transitions. The high cost of adopting greener technologies further limits the ability of businesses to reduce their carbon footprint effectively. For Advantis, a leader in the sector, tackling this challenge required an innovative approach, especially given the constraints of operating in a service-based industry without direct land ownership for large-scale carbon sequestration initiatives.

1.2 / CHALLENGE SUMMARY:

How might we help Advantis Group's business units to achieve net zero emissions by finding opportunities to reduce their environmental impact, and to help local communities to creating sense of shared responsibility by getting them involved in lowering environmental impact?

1.3 / TEAM MEMBERS:

CHAMPION

Gayan Fernando
OHS & Corporate Sustainability

Naduni Perera
Corporate Sustainability

Miyuru Gamage
Corporate Sustainability

Aruni Perera
Corporate Communications & Marketing

Srimantha Jayawardena
Corporate Planning & Strategy

1.4 / SOLUTION DESCRIPTION:

This scalable solution helps hard-to-abate sectors decarbonize while allowing Advantis' SBUs to claim carbon sequestration benefits. Beyond environmental impact, the initiative fosters community engagement by providing educational support to students, merging sustainability with social responsibility. Advantis' Adforestation initiative leverages technology for scalable carbon sequestration, engaging schoolchildren across Sri Lanka to plant and nurture trees. Funded by Advantis' SBUs, which claim carbon benefits, the project merges sustainability with social responsibility. GIS mapping and a digitized data system optimize tracking, while low-carbon concrete enhances infrastructure. This tech-driven model ensures transparency, accountability, and scalability, setting a global sustainability benchmark.

Advantis' Adforestation initiative applies the "uberization of forests" concept, enabling schoolchildren across Sri Lanka to plant and nurture trees, decentralizing afforestation efforts.

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Waste 2 Value

John Keells Holdings PLC

1.1 / COMPANY OVERVIEW:

We identified 2 primary problems, one is that as a Group, JKH currently generate about 17,500kg of organic waste daily. Another is a community problem is the farmers' continuous and improper use of synthetic fertilizers, which is harmful to both the environment and human health.

/

1.2 / TEAM MEMBERS:

CHAMPION

Susith Dewaraja
Strategic Projects Lead

Mahesh Dissanayake
Sustainability, ERM & Group Initiatives Executive

Hashani Sumithraarachchi
Legal Assistant Manager

Sivanjale Ravindrakumar
Intellectual Property & Business Development Executive

Chalukya Weerakoon
Corporate Communications Assistant Manager

1.3 / CHALLENGE SUMMARY:

How might we help our farmer network achieve more sustainable farming methods that produce yields with less reliance on imported fertilizers? How might we help our businesses/communities in which we operate to create value from organic waste and reduce waste to landfill.

1.4 / SOLUTION DESCRIPTION:

We proposed a close loop system, where we use the Group's waste to create an organic fertilizer and supply to the Group's farmer network with an initial 70-30 split of inorganic and organic and eventually increase the supply:

1) Collection of Organic Waste: Collected from our Hotels and Supermarkets utilising the existing logistics network to channel the produce to either the composter or our centralised warehouse.

2) Composter: On-board a composting partner to create the product with the waste we supply, they will they channel this back to our centralised warehouse.

3) Logistics: WWe use the existing produce procurement to process in-place and reverse engineer it to deliver the compost back to the farmer.

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Türkiye

İzel Kimya

Environmentally Friendly Products

1.1 / COMPANY OVERVIEW:

Synthetic resins use raw materials that are harmful to the environment and human health and the products are harmful to the environment and human health.

1.2 / TEAM MEMBERS:

CHAMPION

Alev Süngü
CEO & Board Member

Bulut Yilmaz
Sustainability & Management Systems Executive

Şemsettin Benli
Legal Counsel

Emrah Avcioğlu
Automation Engineer

1.3 / CHALLENGE SUMMARY:

How might we enhance the viability of bio-based resins by improving cost-efficiency, thermal durability, stability, and production scalability to accelerate industrial adoption and sustainability?

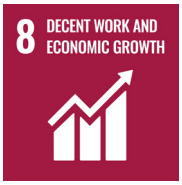
/

1.4 / SOLUTION DESCRIPTION:

We have implemented multiple strategies in parallel on technological improvements, production efficiency, cost reduction and market acceptance. The solution proposal within the scope of this project covers all processes of bio-based resins from production to the final product. These processes have been successful with the combination of zel Kimya's first and pioneering R&D centre, strong staff, rich infrastructure, sustainable business models and environmentally friendly production techniques.

Conserve for the Future

Gen İlaç ve Sağlık Ürünleri



1.1 / COMPANY OVERVIEW:

One of the primary source in drug production is water and our company use huge amount of water and our main aim in this project is to decrease water usage.

1.2 / TEAM MEMBERS:

CHAMPION

Nadir Ulu
R&D Clinical Operations
Vice President

Ali Ketencioğlu
Investor Relations Manager

Melis Vidinli
Senior Strategic Planning
& Grants Specialist

/

1.3 / CHALLENGE SUMMARY:

How might we reduce the monthly 6,040 m3 of water used in pharmaceutical production to create an outcome that is beneficial for the society?

/ 1.4 / SOLUTION DESCRIPTION:

This project proposes a water efficiency system with a multi-faceted approach utilizing cutting-edge technologies to address water scarcity and promote sustainability. Replacing sand filters with cartridge filters on the system. Installing a second RO filtration system on the drain line of RO membranes in a reverse osmosis system. By removing the silver ion activated carbon media column from the system, including a chlorine-removing UV lamp in the system, and eliminating the disinfection process performed every two weeks, water savings can be achieved for each disinfection. Wastewater reduction can be achieved by adjusting the set values in the RO membrane performance to reduce the amount of wastewater. A closed-loop application can be implemented by connecting to the industrial cooling system instead of using softened water drained from WFI generators as cooling water.

Replacing sand filters with cartridge filters on the system. Installing a second RO filtration system on the drain line of RO membranes in a reverse osmosis system. By removing the silver ion activated carbon media column from the system, including a chlorine-removing UV lamp in the system, and eliminating the disinfection process performed every two weeks, water savings can be achieved for each disinfection. Wastewater reduction can be achieved by adjusting the set values in the RO membrane performance to reduce the amount of wastewater. A closed-loop application can be implemented by connecting to the industrial cooling system instead of using softened water drained from WFI generators as cooling water.

Korozo Ambalaj

Korozo Women's Empowerment Project

1.1 / COMPANY OVERVIEW:

The future of work and increasing women's employment. Support project for prospective parents working within the organization and employees returning from maternity leave: The aim is to integrate practices that will contribute to the work-life balance of pregnant/nursing and maternity leave women employees within Korozo, in addition to the legislative practices, into the company culture. The pilot study of the mentor-mentee application is planned for this group.

Project for equal opportunities for women in the workforce and leadership: The aim is to activate training, competency building, support and mentoring programs to increase the number of women in leadership positions.

Good practices project to increase women's employment: The aim is to strengthen the position of women in business life, increase women's representation in departments where the proportion of women employees is low, increase women's employment in engineering, and integrate practices into the company culture that will ensure that the institution is preferred by women.

1.2 / TEAM MEMBERS: /

CHAMPION

Reyhan Çın
Safety & Environmental Manager

Kübra Yılmaz
Safety & Environmental Chief

Nilay Bilecik
Safety & Environmental Chief

1.3 / CHALLENGE SUMMARY:

How might we enhance workplace policies and support systems to promote women's employment, improve work-life balance for prospective and returning mothers, and increase women's representation in leadership and underrepresented roles?

1.4 / SOLUTION DESCRIPTION:

The future of work and increasing women's employment:

Informing female employees about their current legal rights after pregnancy confirmation; Integrating the life partner assignment into all companies, including life partner training and information activities (except for emergencies); Support and monitoring by senior management in the use of leave processes; Defining flexible/hybrid working opportunities after postpartum paid and/or unpaid leave; Implementing information, training, and mentoring programs to support female employees during this special process; Good practices for pregnant workers; Ensuring gender balance in the senior management structure; Professional development and competency improvement; Mentor-mentee program.

Norm Holding

Waste Energy Transformation

1.1 / COMPANY OVERVIEW:

In today's manufacturing sector, making sustainable production as important as quality and fast production has become crucial. Integrating the new sustainable production model into existing systems is the biggest question of our time. Our resources are limited. Overexploitation of resources poses significant risks to the ecological, social, and economic environments. Addressing this challenge is crucial for achieving long-term sustainability.

1.2 / TEAM MEMBERS:

CHAMPION

Muhsin Dogan
Sustainability & Management Systems Director

/

İzel Ozgur Tekeli
Senior Sustainability Specialist

Elif Yegen
Method Engineer

Berk Aksit
Strategy & Business Development Specialist

1.3 / CHALLENGE SUMMARY:

How can we design a system in our production area that would allow us to establish a sustainable waste energy management solution that not only addresses the growing waste crisis but also contributes to the renewable energy sector, supporting environmental, economic, and social pillars of sustainability?

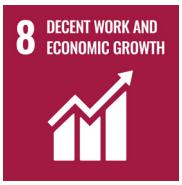
1.4 / SOLUTION DESCRIPTION:

In the project, we aim to recover the energy lost while reducing product costs and carbon emissions. Although our company strategy and regulations have a positive impact on us in this regard, the uncertainty of investment costs at this stage of the project and the complex technological approaches pose risks to us. We started by asking, “How can we recycle the waste energy here?” and focused on closing the energy loop by harnessing vibrations. Our first step was identifying where we could add the most value by targeting areas with the highest concentration of waste energy. Then, we worked on a design to convert this energy into renewable power using piezoelectric sensors. We also aimed to make the system adaptable to different machines and applicable across all sectors that rely on mechanical energy for production. The reason we added adaptability to our main goals is that it would allow many more companies to utilize their waste energy through this method, enabling the value created to multiply exponentially. The average efficiency of a vibrating machine converting electrical energy into mechanical energy is typically between 60% and 85%, with some energy loss due to friction and unwanted movement. Improvements in design, such as vibration dampening and energy recovery systems, can help optimize efficiency.

We believe that the solution we will bring offers a new perspective on energy usage efficiency, especially for production companies like ours that heavily rely on mechanical energy.

Pegasus Airlines

Fly Above Barriers with Pegasus



1.1 / COMPANY OVERVIEW:

Our problem is enabling the effective use of our resources in providing access to travel for people in socio-economic hardship. We receive a lot of requests from various stakeholders with limited means, seeking our support to enable travel for impactful desires. These requests are handled manually. This causes difficulty in evaluating and managing requests and prevents effective allocation of limited resources.

/ If requests are not prioritized in a systematic way important opportunities may be overlooked.

1.2 / TEAM MEMBERS:

CHAMPION

Ali Uzun
General Counsel & Sustainability Director

Revna Ulu
Senior Legal Counsel

Eda Varol Gineli
Senior Training Specialist

Erdem Fırat
Administrative Affairs Leader

1.3 / CHALLENGE SUMMARY:

How might we support our corporate functions in efficiently managing requests for purposeful travel, ensuring fair and objective evaluation within budget constraints, and maximizing social impact through optimal resource allocation?

1.4 / SOLUTION DESCRIPTION:

To address these challenges and better fulfill our mission, we aim to:

1) **Introduce a new system which is more inclusive, effective and just to use our allocated budget for the requests**
2) **Design the system with an objective evaluation matrix which evaluates the requests in connection with its impact to Sustainable Development Goals (SDGs)**
3) **Establish a reliable measurement mechanism for requests received and the impact we create**

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We have developed a form that requires applicants to outline their purpose for travel and explain how it aligns with the Sustainable Development Goals (SDGs). These responses will be evaluated based on their relevance to the respective SDGs. Thus, requests will be assessed regularly according to a transparent and objective framework.

Nurol Holding

Digital Footprint: A Carbon-Free Future Through Innovation

1.1 / COMPANY OVERVIEW:

The project is designed to facilitate the transition to a digital system for companies operating in diverse sectors within a large corporate structure. It aims to ensure that energy consumption areas and the diverse dynamics of data collection processes are recorded, measured, and tracked systematically and reliably, enabling the establishment of realistic targets based on accurate data. After establishing a solid foundation for regular and systematic access to Scope 1 and 2 data, the project aims to enhance the system to address the issue of missing data in Scope 3 emissions. Since value chain emissions constitute a significant portion of an organization's carbon footprint, the lack of comprehensive data poses a barrier to effective reduction strategies. This project focuses on leveraging digital technologies and innovative solutions to enhance data transparency, streamline reporting processes, and enable more accurate carbon accounting.

1.2 / TEAM MEMBERS:

CHAMPION

İclal Dural
Corporate Communications & Sustainability Manager

Naim Kartal
TÜMAD Mining Environmental & Sustainability Assistant Manager

Eda İrem Urhan
Sustainability Assistant Specialist

Gülgün Keleşoğlu
TÜMAD Mining Integrated Management Systems & Sustainability Specialist

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1.3 / CHALLENGE SUMMARY:

How might we leverage digital technologies to automate emissions tracking and reporting, improving accuracy, efficiency, and accessibility while enabling organizations to integrate Scope 3 emissions into sustainability strategies?

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1.4 / SOLUTION DESCRIPTION:

By integrating with ERP systems such as SAP and IFS, we ensure seamless data flow across business operations, enabling more comprehensive and accurate emissions tracking. Key features include real-time data integration, AI-driven analytics, and user-friendly dashboards that enhance transparency. This approach not only facilitates the effective monitoring of greenhouse gas emissions but also generates transparent and reliable data, supports strategic sustainability decisions, and drives impactful carbon reduction efforts.

Our solution leverages digital technologies to automate emissions data collection, replacing manual methods to improve accuracy and efficiency.

A current situation analysis is conducted to identify the emission sources of the Holding and its group companies and to define the relevant data sets. Data required for carbon footprint emission calculations, such as fuel consumption, electricity usage, logistics, waste management, and water consumption, is collected through digital systems using software infrastructures that vary according to our sectors, including ERP systems, Vehicle Tracking Systems, Production Management Systems, and IoT solutions.

The collected data is used in greenhouse gas (GHG) emission calculation and reporting processes in compliance with the GHG Protocol and ISO 14064-1:2018 standard. The software to be used for carbon footprint calculation and reporting is integrated with these technologies through API connections, ensuring automated data flow. Additionally, to ensure traceability during verification processes, the software is configured to be compatible with Monitoring, Reporting, and Verification (MRV) systems.

RHG Enertürk Enerji

Greenhub

1.1 / COMPANY OVERVIEW:

Customers face difficulties in locating appropriate charging stations and challenges at slower AC charging stations, highlighting the need for efficient vehicle charging without wasting time and for a zero-waste charging process.

1.2 / TEAM MEMBERS:

CHAMPION

Adem Özdemir
Energy Management & ESG Manager

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Mert Özay
Energy Management
& ESG Assistant Specialist

Mehmet Can Şenel
Energy Management
& ESG Specialist

Büşra Ersoy
Corporate Communications
Assistant Specialist

1.3 / CHALLENGE SUMMARY:

How might we support our corporate functions in efficiently managing requests for purposeful travel, ensuring fair and objective evaluation within budget constraints, and maximizing social impact through optimal resource allocation?

1.4 / SOLUTION DESCRIPTION:

Our solution includes a route optimization app that helps customers charge their vehicles efficiently without wasting time. Additionally, we've created GreenHub, a dedicated hub where customers can safely and enjoyably spend time in a mini lounge while their electric vehicles charge, all within a zero-waste environment. Our solution utilizes an advanced app that identifies charging stations along the route, providing optimal charging time recommendations, especially on highways and in high-traffic areas. The app directs users to the nearest available stations. GreenHub offers renewable energy-powered electricity, Wi-Fi, coffee machines, and seating, while coffee waste is transformed into plastic, contributing to a circular economy.

SDG INNOVATION ACCELERATOR
FOR YOUNG PROFESSIONALS

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SOLUTIONS REPORT 2024

United Kingdom

Phoenix

Caring for Carers

1.1 / COMPANY OVERVIEW:

Over the last few decades, the UK has seen a shift in the pensions landscape, leading to pensions inequity: 6 in 7 people in the UK will have a lower standard of living in retirement vs. when working. With a focus on SDG 10, reducing inequalities, our chosen focus area is Carers. At Phoenix, we estimate that 30% of our customers could be carers. Carers are often unrecognised; they have limited time for work and financial matters. Financial institutions can be inflexible to support their needs.

1.2 / CHALLENGE SUMMARY:

How might we enable Carers not to have to choose between love or money, and better balance their caring and employment duties, to help them achieve the retirement living standard they deserve?

1.3 / TEAM MEMBERS:

CHAMPION

James Wilde
Chief Sustainability Officer

Nicolette Legendre
Risk Strategy Manager

Alexander Leighton
Legal Counsel

Alex Samson
CRM Strategy & Design Consultant

Hannah Dooley
Marketing & Events Executive

1.4 / SOLUTION DESCRIPTION:

We have identified a three-phase strategy to help us care of carers at the Phoenix Group.

Phase 1: An Enhanced Website Experience - We will create a dedicated page for carers on the Phoenix Group website.

Phase 2: Simplifying our Internal Processes - We will create a barrier-free Power of Attorney application journey for all Phoenix Group customers.

Phase 3: Digital Pension Management for Carers - We will create an online Phoenix Group platform and app for carers of Phoenix Customers.

Our website will contain dedicated guidance for carers, with a step-by-step guide for the Power of Attorney application process. Our improved internal process will involve digital updates being provided to the customer and carer regarding their Power of Attorney application, so they are able to easily track their progress. Our new platform will enable the carer to manage and check on the pension of the individual they are caring for 24/7, with ease in a frictionless way.

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Arm Ltd

ECOde on Arm

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1.1 / COMPANY OVERVIEW:

It is becoming increasingly difficult to ignore the environmental impact of software companies to produce energy efficient code. Last year, articles were published about the energy usage of ChatGPT, which, to put in perspective – is about 46000 times more than the average UK household.

Many companies use old versions of inefficient code because creating truly efficient code takes a lot of time and have a good understanding on that. Time is money and most developers do not know how to create efficient code.

1.2 / TEAM MEMBERS:

CHAMPION

René de Jong
Principal Performance Analysis Engineer

Shirley Lingyan Zou
Licensing Specialist

Eleftheria Chatzidaki
Engineer

Eleanor Roe
Application Engineer

Laura Leyland
Cyber Defence Operations Manager

1.3 / CHALLENGE SUMMARY:

The more efficient the code, the fewer carbon emissions it produces. There are few resources available that teach how to optimize code on Arm-based CPUs. So, our proposal is ECOde on Arm, which aims to enable software developers by making the creation of energy efficient code on Arm-based devices simpler and more accessible.

1.4 / SOLUTION DESCRIPTION:

We need to establish a communication mechanism to influence and simplify the creation of energy efficient code for software developers that use Arm CPUs. By extending efficiency from CPU hardware to software, we envision transforming the Arm ecosystem with the ECOde system.

ECOde will provide developers simplified access to green coding. By improving energy efficiency overall, this improves:

1. Carbon emissions
2. Electricity and water consumption
3. Extends battery life of the devices
4. Hardware longevity – thus less E-waste

Based on this idea, we have designed the ECOde business model: This mechanism offers free access but also provides optional paid support.

The foundation of this infrastructure is a low or no-touch support platform, including online training, partnership with Arm Developers community, GitHub, and more.

On this basis, our Step 1 is to design a Power Efficiency Review Checklist, providing our recommendations for code optimization on Arm-based devices.

Step 2 is, we can help OS platforms develop their tools and help together developers improve their power efficiency on Arm-based devices. The list will be the starting point of the developers and platforms.

In the future, we aspire to establish a sustainability certification system based on the needs of the market for green software running on Arm devices.

MINI SIM-ON WATER: Saving Water, Saving Money

HR Wallingford Ltd

1.1 / COMPANY OVERVIEW:

We tackle the global water crisis, where 2.3 billion people live in water-stressed regions, and 40% of drinking water is lost due to leaks. The UK aims to cut leakage by 50% by 2050. Our business park data revealed three leaks over a decade, with one leak wasting up to 15,840 liters daily—equivalent to 100 people's daily needs. Repairing a leak costs £7,300, half for detection, but saves £13,200 annually. Addressing leaks is a critical yet often overlooked step in global water conservation.

1.2 / CHALLENGE SUMMARY:

How might we help local communities improve the water management in order to reduce water loss by improving their infrastructure resilience?

1.3 / TEAM MEMBERS:

CHAMPION

Ian Cruickshank
Director of Engineering

Maria Parisopoulou
Engineer

Anis Nasser
Engineer

Mario López Muñoz
Engineer

Ignacio Barranco
Engineer

1.4 / SOLUTION DESCRIPTION:

We address water leak detection with Sim-On, an HR Wallingford product aiding water companies and local governments in monitoring District Metered Areas (DMAs). Using historical data, statistics, and hydraulic modeling, Sim-On pre-locates leaks. While it effectively detects leaks in large networks, responsibility shifts to property owners once water enters private areas. Our next step is downscaling Sim-On for smaller networks and advancing a model using machine learning for enhanced leak detection.

In Phase 1 of the solution, SimOn Water will be downscaled to small water networks. The current SimOn model will require some adaptation to specific uses of water in small water networks. For example, in our business park, the use of water at night and in the weekends can be very low or even zero. In addition, our small water network will also need to be instrumented.

In Phase 2 of the solution, SimOn Water will be extended for the detection of pre-existing leaks in water networks. The first step to probe its potential is to carry a pilot in our own business park, Howbery Park, to monitor and validate the effectiveness of our solution. This would only be possible thanks to our unique position as partners and host of the new National Water Leakage center which is currently being developed on our grounds.

This partnership will allow us to record the large amount of data necessary to train such model.

Moreover, we also plan to train the model to determine the optimal placement of pressure and flow sensors within the network, maximizing accuracy. Once developed, we will use our existing pilot at Howbery Park to test and validate the model.

Spirax Group

STEMSpirax

1.1 / COMPANY OVERVIEW:

Encourage and envision young women to pursue their future careers in STEM industries for better job roles and gender equality in STEM industries.

1.2 / TEAM MEMBERS:

CHAMPION

Sarah Peers
Group Director Sustainability

Areeba Saeed
Graduate Engineer

Charlie Williams
Graduate Engineer

Daniela Palomeque
Environmental Specialist

Stephanie Omakwu
Graduate Engineer

1.3 / CHALLENGE SUMMARY:

How might we encourage young women to pursue STEM careers, thereby increasing female representation and achieving gender equity in the field?

1.4 / SOLUTION DESCRIPTION:

We created a STEM toolkit as a solution that targets young girls in schools. It is a ppt that will accessible to entire global company on our company portal to engage our employees into these activities and increase community engagement within Spirax as well as STEM awareness within youth to have gender equity in future in STEM. We created a STEM toolkit as a solution that targets young girls in schools. The idea is to enable our employees with this toolkit to conduct volunteering activities within schools/institutes and raise awareness and interest of young (girls) professionals towards STEM subjects. To increase interest in STEM and help them experience how women can grow and accelerate in STEM sector as well.

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/ 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.

SDG INNOVATION

For more information, **website our website at**
unglobalcompact.org/take-action/sdg-innovation-accelerator