

Implementing the GDI Advancing the SDGs

Inspiring Solutions from Chinese Enterprises

落实GDI，贡献SDG

——来自中国企业的优秀解决方案



About China Sustainability Tribune

China Sustainability Tribune (hereinafter referred to as CST, formerly named China WTO Tribune; Journal No.: CN10-1603/F, ISSN 2096-6520), supervised by the Ministry of Commerce of the People's Republic of China (MOFCOM), is a business management journal focusing on corporate social responsibility (CSR) and sustainable development. Founded in January 2019, it has become a leading publication in China in the field of CSR and sustainable development.

Guided by the motto of "Global Vision, Win-Win Cooperation" and oriented toward "future-oriented thinking and action", CST aims to build a think tank and action network for sustainable development. It gathers and conveys information and insights on sustainable development, identifies and highlights practices that contribute to sustainable development, and promotes the integration of sustainable development into core business strategies, social awareness, and collective decision-making.

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Foreword 序言

In September 2021, at the 76th session of the United Nations General Assembly, Chinese President Xi Jinping proposed the Global Development Initiative (GDI), calling for development to be placed at the center of the international policy agenda. The Initiative has played an important role in promoting shared global development guided by six core principles,namely, development as a priority, a people-centered approach, inclusiveness and benefits for all, innovation-driven development, harmony between man and nature, and results-oriented actions. Over the past five years, through the collective efforts of multi-parties, the GDI has evolved from a proposal put forward by China into a growing international consensus, and from a development vision into an expanding body of practical action. It has injected renewed momentum into the implementation of the United Nations 2030 Agenda for Sustainable Development.

Today, with fewer than five years left until the target year for the Sustainable Development Goals (SDGs), progress remains uneven and increasingly urgent. According to the latest United Nations assessments, nearly half of SDG targets are off track, while more than one-third have stalled or regressed. Escalating climate risks, widening financing gaps, growing digital divides, and recurring geopolitical tensions continue to challenge development efforts worldwide. Against this backdrop, the GDI's eight priority areas—including poverty reduction, food security, financing for development, climate change and green development, industrialization, digital economy, and digital-era connectivity—closely align with the ambitions of the SDGs, from no poverty and zero hunger to decent work, industry, innovation and infrastructure, reduced inequalities, and climate action. United Nations Secretary-General António Guterres has recognized the GDI as an important mechanism for accelerating progress toward the 2030 Agenda, while China's Foreign Minister Wang Yi has described it as “an accelerator for the 2030 Agenda for Sustainable Development”.

Chinese enterprises have emerged as active contributors to the GDI and pragmatic partners in advancing sustainable development. Drawing on the six core principles of the GDI, this report selects 37 representative solutions from among 2,365 initiatives submitted over six years to the GoldenKey-SDG Solutions platform. These examples span more than 20 developing countries and regions across Asia, Africa, and Latin America,

covering sectors such as energy, manufacturing, finance, technology, agriculture, and culture. Particularly noteworthy is the contribution of State Grid Corporation of China and its subsidiaries, which account for 15 of the featured cases and span all six GDI principles. Through comprehensive, multidimensional, and systematic action, State Grid has emerged as a leading example of how Chinese enterprises are translating the GDI into practical contributions toward the SDGs.

Through these case studies, four defining characteristics of Chinese enterprises' contributions to the GDI and SDGs become clear:

First, broad coverage across priority areas of the GDI. From energy transition and digital innovation to agricultural poverty reduction, ecological conservation, infrastructure connectivity, and industrial workforce development, the 37 cases collectively reflect the breadth of sustainable development challenges and opportunities. Examples include State Grid's clean energy and livelihood projects in Brazil, Laos, and the Maldives; green energy initiatives by CGN in Southeast Asia; Goldwind's support for energy transition and community development in Africa; digital and cultural innovation initiatives by BOE and Perfect World; poverty alleviation and livelihood programs such as Sinopec's Millet Demonstration and Technical Assistance Project in Burkina Faso and Erdos Group's shared prosperity model in pastoral communities; and Sungen Holding Group's Suzhou ESG Innovation Center that supports regional sustainable development. Together, these efforts present a vivid picture of how Chinese enterprises are advancing the GDI through diverse and practical action.

Second, technology-driven, systemic solutions to development challenges. Chinese enterprises are increasingly contributing not only products or individual services, but integrated solutions that combine technology, standards, and operational expertise. Projects such as the Belo Monte Ultra-High Voltage Transmission Project in Brazil, solar power initiatives in Laos, and seawater desalination systems in the Maldives demonstrate how Chinese technological strengths can help address critical infrastructure and development bottlenecks. Goldwind's transition in South Africa—from equipment supplier to energy transition partner—and State Grid Hangzhou's Light-Touch Low-Carbon Building Retrofit solution, now adopted as an IEEE international standard, further illustrate

how Chinese technology is evolving into a form of global public good.

Third, tangible benefits for vulnerable and underserved groups. The featured solutions are not measured solely by macroeconomic indicators—they are ultimately about improving lives. In Brazil, the Maré Youth Orchestra, supported by State Grid Brazil Holding S.A., has helped more than 7,000 young people from underserved communities move away from violence and toward brighter futures through music education. Alibaba Health has strengthened access to specialized infant formula for children with rare diseases by leveraging global supply networks. Fotile's inclusive employment initiative has supported stable livelihoods and social integration for more than 1,500 people with disabilities. It is precisely this focus on individual dignity, opportunity, and well-being that gives development a human dimension and brings renewed meaning to the SDG commitment to “leave no one behind”.

Fourth, scalable models for global development governance. The solutions featured in this report are not isolated pilot projects or one-time success stories. Rather, many have demonstrated clear methodologies, institutional mechanisms, and replication potential that can be adapted to different local contexts. The Blue Circle marine plastic traceability model has expanded from Zhejiang Province to five coastal regions in China. The second phase of Tencent's CarbonX Program attracted more than 660 proposals from 54 countries, fostering cross-border innovation in climate solutions. State Grid Ningxia's desertification control model, initially developed in the Mu Us Desert, has since been adapted to support ecological restoration along other transmission corridors. Meanwhile, China Energy Construction Group's management framework for No Net Loss (NNL) of biodiversity, developed through projects in Azerbaijan, offers a transferable approach for infrastructure development in ecologically sensitive areas. Increasingly, Chinese solutions are reaching global markets and partnerships through channels such as United Nations procurement mechanisms, international standards, and South-South cooperation, offering practical pathways that can support other developing countries in accelerating progress toward the SDGs.

These solutions represent not only important achievements in implementing the GDI, but also valuable contributions toward advancing the SDGs. Building on this international exchange, we

will continue to support more systematic and deeper engagement by Chinese enterprises in translating the GDI into measurable and meaningful SDG action.

First, we will continue identifying impactful flagship projects—both “small and beautiful” and “large and practical”—that contribute to global sustainable development. Focusing on the GDI's eight priority areas, the GoldenKey-SDG Solutions platform will continue helping enterprises refine and strengthen the value of their initiatives, enabling more adaptable, context-sensitive solutions that can respond to development challenges across diverse countries and regions.

Second, we will strengthen platforms that better connect Chinese enterprise solutions with international development needs. By building a dedicated solution repository for Chinese enterprises contributing to the GDI and SDGs, and by promoting case sharing, roadshows, field visits, and knowledge exchange, we aim to foster more effective matching between enterprise capabilities, host-country priorities, and international development resources, supporting deeper participation in global development governance.

Third, we will expand the use of AI+ and digital technologies to deepen case sharing and research on SDG solutions. Leveraging digital tools, including AI, we will strengthen assessments of enterprise solutions in areas such as alignment with the GDI and SDGs, innovation, scalability, and replicability. Meanwhile, we will further analyze and distill the ideas, management approaches, and behavioral transformations behind successful practices, generating more research and practical insights to strengthen confidence and momentum for sustainable development.

Development remains the master key to addressing global challenges, while action is the only path toward a sustainable future. The 37 case studies presented in this report offer a vivid snapshot of how Chinese enterprises are translating the GDI into concrete action and contributing to the achievement of the SDGs. We look forward to seeing more enterprises around the world join this effort. Through openness, inclusion, and practical cooperation, we can work together with global partners to help build a more equitable, sustainable, and prosperous future for all.

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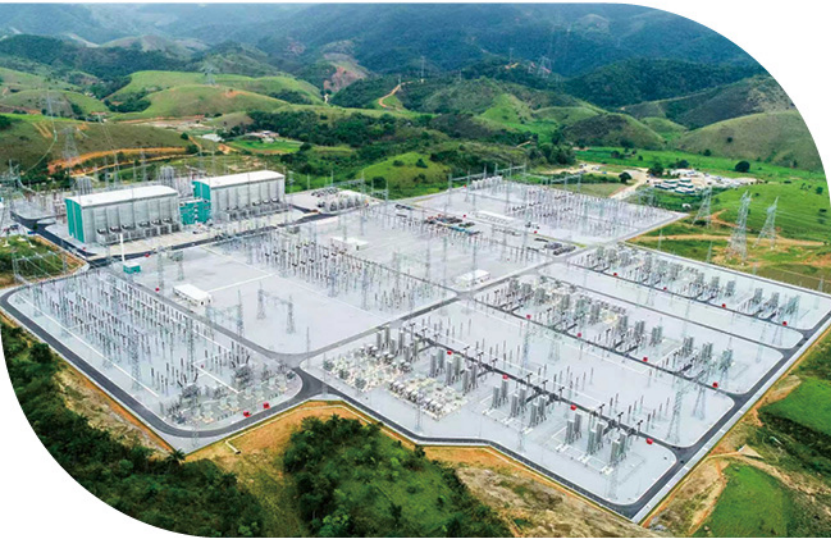
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**Staying Committed to
Development As a Priority**

坚持发展优先





Ecology and Electricity: A China-Brazil Energy Cooperation Model

生态与电力共生，
美丽山特高压工程诠释中巴能源合作典范

To address Brazil's pressing challenges of mismatched hydropower-demand geography and high long-distance transmission losses, State Grid International Development Co., Ltd. (SGID) has leveraged the Belo Monte ±800 kV UHV DC project to deliver an integrated package of China's advanced UHV technology, standards, and full operational solutions, creating a benchmark for China-Brazil energy cooperation.

The Belo Monte UHV Phase I and Phase II transmission lines rank first worldwide among same-voltage projects. They create an energy corridor that carries clean hydropower from the Amazon in northern Brazil to the southeastern load centers, reliably powering over 22 million people in Rio de Janeiro and Sao Paulo. Leveraging China's core UHV technology, the project delivers long-distance, high-capacity, low-loss transmission, with overall availability consistently above 99%, a world-leading level. This has fundamentally broken Brazil's power transmission bottleneck and ushered in a new stage of UHV development.

The project's localized approach has created nearly 20,000 local jobs. By early 2026, it had delivered over 235 TWh of clean electricity, yielding significant energy and emission savings. It also helps stabilize electricity prices across Brazil and bolster its green energy transition.

(State Grid International Development Co., Ltd.)



Powering Laos' Vision of Becoming the "Battery of Southeast Asia"

助力老挝向“东南亚清洁能源蓄电池”目标迈进

To address Laos's limited energy diversification and seasonal power shortages, the Phase I of CGN's 1000MW PV project in the Northern Laos Interconnected Clean Energy Base was commissioned in April 2026. Leveraging clean energy cooperation, the project enables cross-border electricity sharing, supports Laos's vision of becoming the "battery of Southeast Asia," and advances China-Laos power connectivity and the region's green, low-carbon transition.

As the largest single-site solar power project in Southeast Asia, it is expected to generate 1.65 TWh of electricity annually, significantly strengthening Laos's clean energy capacity while reducing carbon dioxide emissions by approximately 1.3 million tons per year.



The project features a scientifically planned layout adapted to mountainous terrain, implementing stringent measures for ecological protection and construction avoidance. It also led the establishment of the Laos Clean Energy Power Standards Research Institute to advance China-Laos standards alignment and technical cooperation in the power sector. Furthermore, through its "Egret Program," the project cultivates local renewable energy technicians and engineers, boosts local employment and industrial development, and shares development benefits with local communities. During the peak construction phase, it provided nearly 3,000 local jobs and fostered coordinated development among more than 70 companies across the China-Laos industrial chain.

(China General Nuclear Power Corporation)



From Equipment Supplier to Energy Transition Partner

从设备供应商到能源转型伙伴

Despite its abundant wind and solar resources, South Africa has long struggled with energy insecurity due to aging coal infrastructure and chronic electricity shortages. As a leading Chinese wind power company, Goldwind has gone beyond equipment exports, choosing instead to grow alongside local partners to advance the country's clean energy transition.

Goldwind's role has steadily evolved from separate equipment supplier to integrated energy solutions partner. In 2015, the company partnered with BioTherm Energy, a local company, to deliver the Golden Valley and Excelsior projects. In 2022, it signed an agreement with EDF to develop the 420MW Koruson 1 wind project cluster, featuring locally manufactured hybrid towers. Between 2023 and 2024, Goldwind worked with local

partner ACED to launch South Africa's first "green mining" power purchase agreement (PPA) projects, supplying stable green electricity to mining operations and industrial parks. Looking ahead, the company plans to jointly develop more than 2 GW of integrated wind, solar, and energy storage capacity with a South African partner by 2026.

Beyond infrastructure delivery, Goldwind values local capability building. In 2025, the company launched its Cape Town Solutions Factory, an integrated facility combining remote operations, testing and maintenance, technical support, regional warehousing, and Global Wind Organisation (GWO) training. The initiative is helping strengthen the local wind energy value chain.



Goldwind's experience in South Africa demonstrates an affordable and sustainable pathway for countries in the Global South facing similar coal-fired power transition challenges. In March 2026, the Koruson 1 project cluster officially entered commercial operation, with a total investment equivalent to half of the annual diesel generation expenditure of Eskom, South Africa's state-owned power utility. The projects have created more than 3,000 local jobs and reinvested part of operational profits into surrounding communities. Through local manufacturing, technology transfer, and community benefit-sharing, Goldwind is helping to ensure that the gains of the energy transition remain within local communities.

(Goldwind Science and Technology Co., Ltd.)



▲ Guided by the "In Africa, For Africa" philosophy, Goldwind has not only built power plants and provided new energy training and job opportunities for local youth, but also organized events such as, Nelson Mandela International Day event, to integrate with local communities.



Building a Zero-Carbon Village
Through Green Partnerships

绿色伙伴关系助力零碳乡村



Once known as the historic departure point of the voyages of Zheng He more than 600 years ago, Donglin Village in Taicang, Jiangsu Province, is now charting a new course toward a sustainable, zero-carbon future. The driving force behind its transformation was a new kind of partnership. State Grid Taicang Power Supply Company found that the missing piece for rural green transition was not equipment, but people willing to work together. In response, the company took the lead in establishing a Green Partnership Alliance, bringing together local government, agricultural cooperatives, environmental organizations, research institutions, and village representatives. Through shared planning, co-investment, and clearly defined roles, the alliance turned green development from an isolated effort into a collaborative model of rural governance.

The partnership has accelerated a broad transformation of the village's energy system. Agricultural production equipment with a total capacity of 3,015 kVA now operates on stable and clean electricity, while 1.632 MW of distributed solar power has been installed across rooftops and irrigation channels. Electric drying systems have replaced coal-fired alternatives, and ecological restoration initiatives, including an "underwater forest" ecosystem, have helped revitalize local biodiversity.

Today, nearly 50% of agricultural energy consumption comes from renewable sources, reducing annual carbon emissions by more than 1,400 tons. Fertilizer and pesticide use has fallen by 30% and 25%, respectively, crop straw recycling has reached 100%, and farmland water quality now exceeds Class III environmental standards. Farmers' average income from rice and wheat cultivation has increased by 36% per mu. Green living has also become part of everyday village life. Solar-powered streetlights, a zero-carbon community marketplace, SDG lectures, and low-carbon study tours have made sustainability visible and accessible to residents and visitors alike. A growing eco-tourism and cultural brand now contributes an additional 5% annual income growth for the village's collective economy.

Today, Donglin Village is inspiring neighboring communities to follow a similar path, demonstrating how green partnerships can mobilize collective action, unlock local potential, and advance a shared low-carbon future.

(State Grid Taicang Power Supply Company)



Shaping the Future
of Green Intelligent
Manufacturing

面向绿色智造的未来



Amid a new wave of technological and industrial transformation, HONOR's Smart Manufacturing Industrial Park is integrating AI with intelligent manufacturing to tackle high energy consumption at the source, driving the entire supply chain toward greener and lower-carbon development.

The park has independently developed and deployed an integrated smart energy management platform capable of real-time monitoring and intelligent dispatch of major energy-intensive equipment, moving beyond traditional experience-based and fragmented energy-saving practices. Renewable energy, generated from onsite solar PV and purchased from green power sources, accounts for more than 45% of the park's total energy mix.



In manufacturing, more than 85% of production processes are efficiently completed by automated equipment, while green and low-carbon principles have been embedded throughout the full value chain. In 2025, innovative measures including the large-scale adoption of recycled aluminum and the use of renewable bio-based plastics reduced carbon emissions by nearly 8,000 tons.

HONOR's practices demonstrate that high efficiency and low emissions can advance in parallel, offering a highly replicable model for green transformation across the highly complex smartphone supply chain.

(Honor Device Co., Ltd.)

A photograph of a narrow, traditional Chinese street. The street is paved with large, irregular stone slabs. On the left, there is a traditional building with a grey brick wall and a tiled roof. A large, leafy plant with red flowers is in the foreground on the left. On the right, there is another traditional building with a grey brick wall and a tiled roof. A large, leafy plant is in the foreground on the right. In the background, a small green car and a person are visible on the street. The sky is clear and blue.

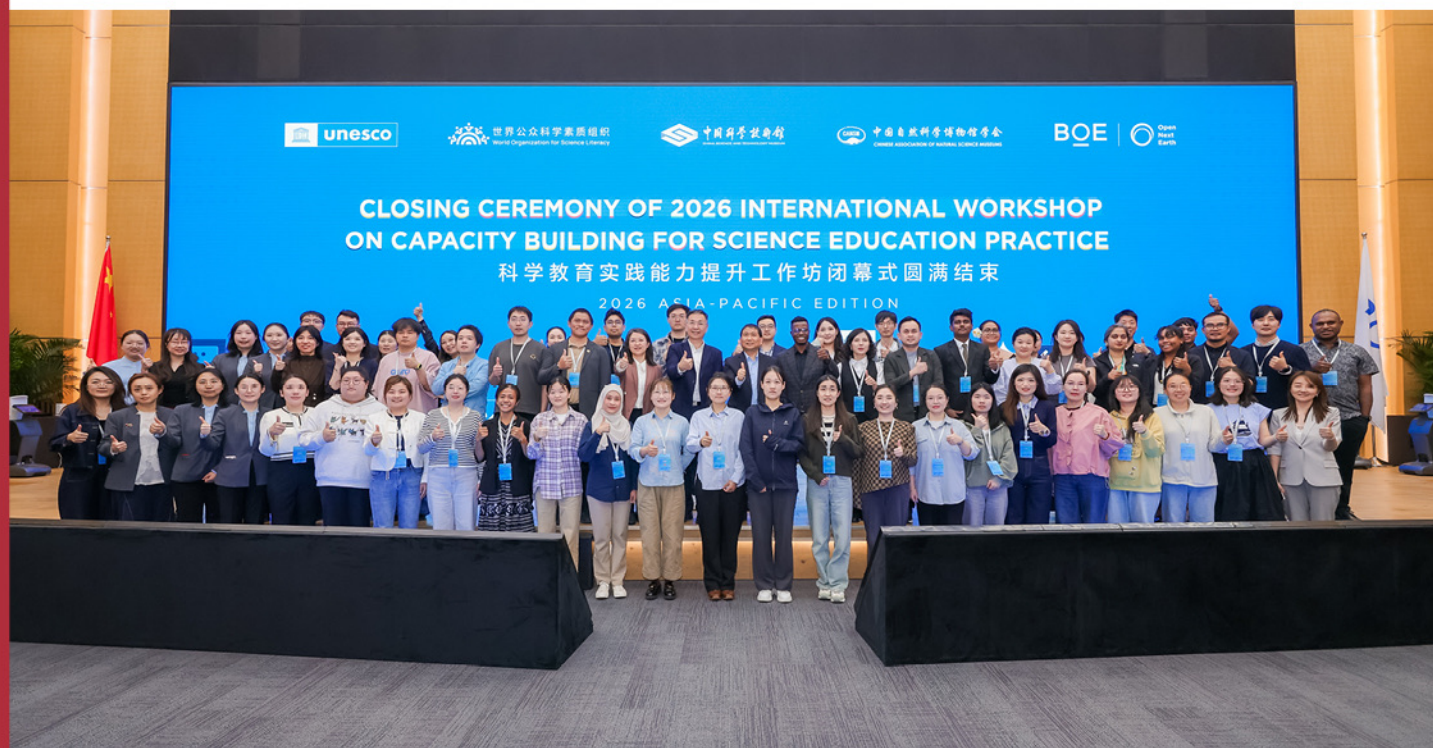
**Staying Committed to
a People-Centered Approach**

坚持以人民为中心

Building an Inclusive Future for Science Education

支持联合国“科学十年”，
共筑科学教育普惠未来

As the first Chinese technology company to support the International Decade of Sciences for Sustainable Development led by UNESCO, BOE Technology Group Co., Ltd. fully leverages its core strengths to help shift global science education from basic material assistance toward deeper empowerment and system co-development.



In Kenya, BOE has launched the “Windows to STEM” model to deliver both hardware and software empowerment. The company donated integrated digital hardware, including BOE’s interactive ultra-high-definition display screens and 3D printers, to pilot schools, and provided hands-on training in AI applications and programming for local teachers. BOE also supports the UNESCO Global Science Clubs Network, sponsors science competitions to inspire youth, and collaborates with partners on ecological public welfare. Through thematic study tours and salons under the Network’s Asia-Pacific programs, BOE also explores cross-sector narratives that integrate culture and science.



By 2026 April, the project has benefited more than 5,000 students in Kenya, while the UNESCO Global Science Clubs Network supported by BOE has expanded to 322 clubs across 40 countries worldwide. BOE has successfully evolved from a traditional equipment supplier into a global sustainability partner, contributing systematic “Chinese experience” to global science governance.

(BOE Technology Group Co., Ltd.)



Green Power Revitalizes Rural Areas

绿色电力重塑乡村



In Shangxiaozhuang Village, Shandong Province, a green transformation driven by clean energy is systematically reshaping rural production and daily livelihoods.

With the systematic planning and technical support of State Grid Linyi Power Supply Company, the village has revitalized 12,000 square meters of idle resources and developed 1.5 MW of canal-side photovoltaic(PV), road-integrated PV, and rooftop distributed PV projects. The project also incorporates cloud energy storage at the distribution transformer level, V2G charging piles, and a "PV-Energy Storage-DC-Flexibility" Power Rainbow Station, enabling the flexible allocation of green power.

In the past, villagers had to carry water pumps and electrical cables to irrigate their fields. Today, more than 10 outdated wells have been upgraded into shared irrigation water intake points, where irrigation can be activated simply by swiping a card or scanning a QR code, making it safer and more efficient. More than 90% of the electricity consumed across the village's residential, production, and ecological spheres comes from green power. It reduces carbon dioxide emissions by more than 2,200 tons annually and achieves a 100% power supply reliability rate. Through PV leasing and green power value-added services, the village also secures stable additional annual income of more than USD 44,000. Villagers have witnessed how green power not only preserves the local ecosystem, but also drives tangible income growth and industrial development.

(State Grid Linyi Power Supply Company)

Located near Tiananmen Square, Caochang Community is home to one of the city's best-preserved north-south hutong neighborhoods. To support the community's green and low-carbon transformation, State Grid Beijing Urban District Power Supply Company has been committed to turning this historic district into a model for carbon-neutral urban renewal, breathing new life into century-old alleyways through cleaner, smarter, and more livable energy solutions.

As Beijing's first demonstration zone for full electrification, Caochang Community has undergone a major energy transition. Through coal-to-electricity and gas-to-electricity upgrades, residents have moved away from traditional coal stoves and now enjoy cleaner, safer heating during winter. Fully electric kitchens and catering facilities have further improved household safety and hygiene. At the same time, overhead power lines and electrical infrastructure have been upgraded and visually integrated into the neighborhood landscape, enhancing both reliability and the area's historic character. Renewable energy facilities—including photovoltaic systems at elderly care stations and solar-powered street lighting—have also been introduced, alongside low-carbon applications such as air-source heat pumps and "zero-carbon courtyards."



To support smarter energy management, electricity consumption data is monitored and shared among government, businesses, and the community, enabling more targeted energy-saving and carbon-reduction efforts. Together, these initiatives have established a cleaner, safer, and more efficient energy system for the neighborhood. Reliable and low-carbon energy services have not only improved daily life for hutong residents but also helped Caochang Community earn recognition as one of Beijing's "Most Beautiful Streets."

(State Grid Beijing Urban District Power Supply Company)

Powering Better Living in Beijing's Historic Hutongs

胡同里的用电幸福





One-Stop Services for Better Community Living

一站式服务社区美好生活



In Dawangzhuang Subdistrict of Tianjin, a WeChat mini-program called the “Smart Community Grid Assistant” is subtly reshaping daily life for 3,760 households.

State Grid Tianjin Chengdong Power Supply Company took the initiative to partner with the local subdistrict authority to pioneer an integrated data-sharing platform linking community governance with power service networks. By combining electricity data with community management data, the company launched the 24/7 “Smart Community Grid Assistant” on WeChat, enabling intelligent analysis and rapid response to residents’ daily concerns. Simple inquiries are answered automatically within seconds, while complex cases are routed instantly for coordinated resolution across departments.

The platform has delivered tangible results. A total of 5,571 routine requests received instant responses, while the average handling time for 965 complex cases was reduced dramatically from three working days to just 1.5 hours. Residents no longer have to navigate multiple channels to find help, while grid staff members have also been freed from repetitive administrative tasks. What was once a fragmented service process has evolved into a seamless one-stop experience, where data moves faster than people ever could. Today, the platform has become more than just a digital tool on residents’ phones—it has become a visible and meaningful part of everyday community well-being.

(State Grid Tianjin Chengdong Power Supply Company)

People with disabilities often struggle to find jobs, risk social isolation, and are poorly served by traditional support models. That’s why Fotile partnered with local disability daycare centers in 2024 to launch an inclusive employment program. Together, they established three supported employment bases designed to provide people with disabilities with rehabilitation, daily care, and stable employment with full benefits.

To create accessible job opportunities, Fotile developed more than ten tailored work roles, including rattan weaving and intangible cultural heritage paper coiling. Leveraging its brand, the company also developed high-value cultural and creative products, like the Yuxiang Basket, while building diversified sales channels through partnerships across sectors. For example, basketweaving participants earned an extra USD 205 per month on top of their base salary in 2025.

Beyond economic empowerment, Fotile’s “Five Actions for Growth” tools help participants to move beyond the identity of aid recipients and become aspiring, contributing community members. Through volunteer activities, public exhibitions, charity fairs, and community programs, participants are supported in overcoming social isolation and low self-esteem, enabling a transition from sheltered employment to fuller social participation.

This sustainable model—government guidance, business empowerment, social participation, and shared benefits—has directly or indirectly helped over 1,500 people with disabilities find employment. The local stable employment rate for people with disabilities has nearly tripled from two years ago, ranking first in growth across Ningbo’s districts for two consecutive years.

In September 2025, China Disabled Persons’ Federation Employment Service Platform recognized the program as a sustainable, replicable social innovation model—not just an employment initiative. Its success lies in moving beyond traditional charity toward inclusive jobs and empowerment-based support that enable people with disabilities to realize their potential and integrate more fully into society.

(Ningbo Fotile Kitchen Ware Co., Ltd.)



Creating Inclusive Opportunities for People with Disabilities

有爱无碍，助残友融入社会



**Staying Committed to
Benefits for All**

坚持普惠包容



Delivering a Sustainable Lifeline to Maldives

为“千岛之国”注入生命之“源”

In the Maldives, 95% of freshwater comes from diesel-powered desalination, leading to high costs. To address this challenge, State Grid Jiangsu Electric Power Company developed a tailored renewable-based desalination solution for the local islands.

Leveraging the Maldives' abundant wind and solar resources and its expertise in renewable-based microgrid technologies, the company developed a containerized modular system integrating renewable-based microgrids with seawater desalination. The core equipment is integrated into standard shipping containers with a hybrid configuration of wind, solar, and energy storage systems. Occupying only 250 square meters, the system can be commissioned within 40 days. This plug-and-play solution reduced the cost of desalinating one ton of water from USD 30 to USD 0.3. Beyond equipment deployment, the project also developed a local technical team and created nearly 100 local jobs.

Previously, island residents relied primarily on rainwater stored in tanks for daily use. Today, clean freshwater is available directly from household taps. Approximately 10,000 residents have seen an end to freshwater shortages, while 300 households have gained access to electricity. The equipment has been included in the United Nations government procurement catalogue and replicated in countries including Brazil, providing a scalable model for small island nations to improve livelihoods through green energy solutions.

(State Grid Jiangsu Electric Power Company)



Empowering Locals Through Talent Co-Development

人才共育，
共谱“授人以渔”新篇章



China Road & Bridge Corporation (CRBC) has long been committed to infrastructure talent development in Africa. Guided by the “teach a man to fish” philosophy, the company transforms Chinese expertise and experience into lasting development capabilities for African countries.

To address the growing demand for railway professionals in Africa, CRBC has rolled out targeted, systematic talent development programs. In Kenya, it supported universities in launching railway-related disciplines, partnered with Chinese universities to offer tailored undergraduate programs, and built an internal training system covering all job functions, creating a full local talent pipeline from frontline technicians to mid and senior-level managers. In

Ethiopia and Djibouti, CRBC implemented systematic training and mentorship-based learning, equipping a large number of local employees with modern railway skills and significantly reducing their reliance on external expertise.

The large number of high-quality jobs created has directly raised local incomes and professional skills, allowing more people to tangibly share in the benefits of development.

(China Road & Bridge Corporation)

Inspiring Hope Through Music in Rio's Underserved Communities

点亮贫民窟少年梦想



In the Maré community in northern Rio de Janeiro, Brazil, many young people have long grown up amid drugs, violence, and gang-related conflicts. For vulnerable adolescents, limited opportunities and unstable social conditions often increase the risk of falling into cycles of crime and social exclusion.

In 2010, musician and community leader Carlos founded the Orquestra Maré do Amanhã (Tomorrow's Tide Orchestra) with a vision to offer young people a different future through music. Yet in its early years, severe funding shortages brought the initiative to the brink of closure.

At a critical moment, State Grid Brazil Holding S.A.—a subsidiary of State Grid International Development Co., Ltd. with a long-standing presence in Brazil—stepped in to provide sustained support through Brazil's local tax incentive framework. The company signed a long-term partnership agreement, purchased and renovated community buildings into professional music classrooms, donated them for public use, equipped the orchestra with instruments, funded professional music teachers, and provided continued financial support to ensure stable operations.



To date, the initiative has benefited more than 7,000 disadvantaged young people, helping many move away from violence and toward brighter futures through music education. Some former participants have become teachers within the program, while others have pursued university-level music studies and built independent careers based on their talents. Today, what began as a small community orchestra in one of Rio's most underserved neighborhoods has become a recognized cultural symbol of the city. The orchestra has performed for the leaders of China and Brazil, appeared at international music festivals, and inspired an award-winning documentary recognized globally. In 2024, to mark the 50th anniversary of diplomatic relations between China and Brazil, the orchestra traveled to China for cultural exchanges, using music to strengthen cross-border friendship.

The initiative has been recognized internationally, including selection as a United Nations Global Best Practice in Poverty Reduction, and has received honors such as the UN Global Compact Award for Best Practice in Social Responsibility Management.



(State Grid International Development Co., Ltd.)



Caring for “Lemon Babies” – Easing the Burden of Rare Diseases

关爱“柠檬宝宝”，支持破解罕见病困境

Methylmalonic acidemia (MMA) and propionic acidemia (PA) are rare inherited metabolic disorders. Children with these conditions are often called “lemon babies” due to frequent episodes of acidosis.

Special medical formula milk powder is the essential lifeline for “lemon babies.” Any supply shortage could seriously affect their health or even threaten their lives. However, due to the small and geographically dispersed patient population, many families face challenges in accessing affordable and reliable formula.

To address this, Alibaba Philanthropy and Alibaba Health Philanthropy, together with multiple partners, launched the Care Campaign for Lemon Babies. Leveraging capabilities in cross-border sourcing, supply chain management, demand matching, and ecosystem collaboration, the campaign developed a “supply-by-demand” model. By aggregating the scattered and low-volume demand of patients, it enables reverse demand planning, helping manufacturers ensure a stable supply. Meanwhile, improved supply chain efficiency, combined with medical and financial assistance, helps reduce the economic burden on affected families.

Alibaba Health has established a Rare Disease Care Platform, expanding its initiative from caring for “lemon babies” to supporting patients with 17 inherited metabolic rare diseases. Through a multi-party co-payment model combining contributions from enterprises, public donations, and patients themselves, the platform enables the targeted and efficient allocation of social resources, while improving overall service quality and standards in the rare disease ecosystem.

(Alibaba Health Technology (China) Company Limited)



The urban-rural logistics divide remains a common challenge across developing countries. Difficulties in getting agricultural products to market and industrial goods to rural communities limits farmers' income growth and rural consumption potential.

JINGDONG Logistics addresses this challenge by leveraging its integrated supply chain to bridge the “last mile” gap in urban-rural resource connectivity through three key initiatives.

First, the company has strengthened its rural logistics network. As of 2025, JINGDONG Logistics had achieved full logistics service coverage across more than 2,800 counties in China and established nearly 100,000 rural service stations. Second, it has advanced the integration of production and sales. To address challenges in bringing agricultural products to market, JINGDONG Logistics has developed a supply chain model covering the entire process from origin to after-sales services. Third, rural services have been enhanced. By tackling challenges related to the installation and replacement of products such as home appliances and mobile phones in rural areas, JINGDONG Logistics has enabled government consumption subsidies to better reach rural communities, ensuring that inclusive development delivers tangible benefits at the grassroots level.

This model extends high-quality logistics services to remote rural communities and provides valuable experience for narrowing the urban-rural gap and promoting more balanced development.

(JINGDONG Logistics)



Bridging the Urban-Rural Divide Through Integrated Supply Chain Networks

链网融合，架起城乡资源互通之桥



In communities surrounding the Buriticá Gold Mine in Colombia, operated by Zijin Mining subsidiary Zijin Continental Gold, coffee is becoming a symbol of opportunity and long-term resilience. Through its Future Harvest agricultural development program, the company is helping local communities build sustainable livelihoods through specialty coffee production, reducing dependence on artisanal mining and creating new pathways for stable income and economic diversification.

Over the past seven years, the Future Harvest program has expanded coffee cultivation and improved processing, raising yields by 15% per hectare. It helped build the region's first specialty coffee processing plant, established a coffee association to integrate local brands and boost farmers' bargaining power, and created four new coffee brands – bringing smallholder coffee to international markets. Greener cultivation methods have also been promoted to reduce resource use and environmental impact.

To date, the program has benefited 6,482 coffee growers and their families, reaching more than 60% of the local population. Looking ahead, the program will further unlock the tourism and market potential of the coffee industry to support broader economic diversification and more resilient community development.

(Zijin Mining Group Co., Ltd.)



Growing Hope Through Coffee: Sowing a Sustainable Future in Colombia

咖啡树里长希望，
在哥伦比亚“播种未来”



Reimagining Smart Agriculture Through the “Super Cotton Farm”

“超级棉田”
打开智慧农业的想象力



As agriculture worldwide faces labor shortages, climate disruptions, and scarcity, farmers are being challenged to produce more with fewer resources and greater efficiency. Against this backdrop, Guangzhou XAG Technology Co., Ltd. launched its “Super Cotton Farm” initiative in 2021 in Yuli County, Xinjiang, where two young farmers manage 3,000 mu (200 hectares) of cotton using intelligent, data-driven solutions, exploring scalable digital farming.

By integrating BeiDou navigation systems, agricultural robotics, IoT technologies, and smart irrigation and fertilization management, the initiative reduced dependence on labor-intensive field inspections and experience-based decision-making. Instead, it enabled coordinated, data-driven management across the entire farming cycle, from planting and crop monitoring to irrigation and nutrient management. The results demonstrated both economic and environmental benefits. While significantly reducing labor intensity and operational costs, the project increased cotton yields by 8% per mu, reduced water-use costs by 25%, and lowered pesticide costs by 12%.

Following its success, the Super Cotton Farm model has expanded to more than 2,500 farms across Xinjiang, covering over 133,333 hectares of farmland, and is being adapted for other crop systems.

Beyond China, XAG is localizing the model in agricultural ecosystems across Southeast Asia, the Middle East, and beyond, adapting smart solutions to different climates, crops, and production models. As a Chinese example of digital innovation for agricultural sustainability, the “Super Cotton Farm” offers a low-barrier, scalable pathway for smart agriculture worldwide.

(Guangzhou XAG Technology Co., Ltd.)

Staying Committed to Innovation-Driven Development

坚持创新驱动





Light-Touch Low-Carbon Building Retrofit

低碳楼宇改造“轻”方案，不让建筑多费一度电

In Hangzhou High-Tech Zone (Binjiang), more than 400 buildings consume 2.4 TWh of electricity annually, accounting for 60% of the district's total power consumption — highlighting the energy intensity of China's urban buildings.

To address the high costs, operational disruption, and scalability challenges of conventional building retrofits, State Grid Hangzhou Power Supply Company introduces an innovative light-touch digital low-carbon retrofit model in Binjiang District. Leveraging plug-and-play IoT devices, a unified spatial coding system, and a four-party collaborative digital operations platform, the model enables granular smart management of building energy systems such as air conditioning and lighting.

Compared with conventional retrofits, the light-touch low-carbon solution delivers significant advantages. Without structural alterations or disruption



to daily operations, it achieves overall energy savings of more than 10%, reduces air-conditioning energy consumption by over 20%, and provides load regulation capacity of up to 30%. In Binjiang District alone, the solution can save 480 GWh of electricity and reduce carbon emissions by 250,000 tons annually. For companies, energy costs also become more transparent, with companies consuming 1,000 MWh annually saving an average of over USD 22,000 in electricity costs.

The solution has already been piloted across more than 30 industrial parks and public buildings in Hangzhou's Binjiang District. Its core technology has been adopted as China's first IEEE international standard in the field of building energy efficiency, providing a scalable and replicable Chinese solution for low-carbon building retrofits worldwide.

(State Grid Hangzhou Power Supply Company)



CarbonX Program: Helping Low-Carbon Tech Cross the “Valley of Death”

“碳寻计划”——推动前沿低碳技术走出“死亡谷”



At a critical moment in the global fight against climate change, Tencent's CarbonX Program is connecting innovators worldwide to bridge the “valley of death,” the gap that frontier low-carbon technologies face between lab and market.

Frontier low-carbon technologies often struggle to scale due to funding gaps, lack of industrial partners, and limited real-world testing, leaving promising solutions stuck in the lab. According to the International Energy Agency (IEA), about 75% of the emissions reductions needed for carbon neutrality still depend on technologies that are not yet mature.

Tencent launched the CarbonX Program to break down barriers, bringing together enterprises, universities, research institutions, financial bodies, and global organizations. The Phase I focused on Carbon Capture, Utilization and Storage (CCUS) technologies, with three tracks—pilot support, startup incubation and capacity building. It attracted more than

300 domestic proposals, funded top 30 teams, and provided 13 finalists with financial and resource support ranging from approximately USD 140,000 to over USD 1.4 million. The Phase II added a Long-Duration Energy Storage (LDES) track and a scenario-first model, placing Carbon Dioxide Removal (CDR) pilots in Kenya, steel CCUS in Serbia, and LDES in the Maldives. It received over 660 proposals from 54 countries, of which 56% came from overseas. The top 50 have been shortlisted, and the final list is expected to be announced in June 2026.

Beyond offering a replicable model for innovation incubation in the global carbon neutrality field, the CarbonX Program has built a global action network that breaks national barriers, connects technologies through a shared platform, and drives collaboration through real-world scenarios, helping accelerate the world's transition to carbon neutrality.

(Tencent)





Building a Full-Chain ESG Ecosystem for Regional Sustainable Development

构建 ESG 全链条生态 助力区域可持续发展实践

Guided by global consensus on sustainable development, Sungent Holding Group has established the Suzhou ESG Innovation Center through a platform-based, ecosystem-driven approach. It has built a full-chain ESG ecosystem integrating research, standards, services, finance, and training, bringing together more than 200 domestic and international institutions for coordinated action.



The Suzhou Industrial Park Sustainability (Environmental, Social, Governance) White Paper



In standards innovation, the Group led the release of China's first ESG evaluation guidelines for economic and technological development zones. It also participated in drafting national sustainability evaluation standards for industrial parks, filling a gap in ESG assessment frameworks and establishing an institutional model for the sector. In terms of service innovation, the Group launched three platforms covering digital services, green finance, and international advisory, along with free ESG self-assessment tools, sustainability-linked loans, and international compliance services. These help enterprises navigate international regulatory frameworks such as the EU's CSRD and CBAM and overcome cross-border compliance challenges.

To date, the ecosystem has served more than 1,900 enterprises, including 625 listed companies—covering all 70 listed companies within the industrial park. The initiative has become a benchmark model for ESG ecosystem governance at the park level, offering a Chinese solution and practical reference for regional sustainable development.

(Sungent Holding Group Co., Ltd.)



Green Power Unlocks the Code of Quality Tea

“电炭携手”解出“好茶”密码

Wuyishan, Fujian, the starting point of the historic “Ten-Thousand-Mile Tea Road” and birthplace of black tea and oolong tea, relies on tea as its core industry. To drive green transformation, State Grid Wuyishan Electric Power Supply Company co-developed electric tearoasting equipment that precisely simulates traditional charcoal firing. It offers integrated control over temperature, leaf turning, and timing, while preserving the tea's authentic flavor. This solution solves long-standing challenges: smoke pollution, heavy wood use, and difficulty replicating traditional techniques. It has significantly improved tea cleanliness and quality consistency, saving farmers about 80% in energy costs and reducing CO₂ emissions by nearly 200,000 tons.



The company has also tailored “one enterprise, one solution” plans for tea factories to ensure stable power supply during fixation and roasting, while extending smart grid and IoT devices into cultivation and processing. In today's tea factories, IoT sensors monitor leaf temperature and humidity in real time, cloud systems calculate fixation parameters with precision, and AI regulates drum roasters. This has reshaped the experience-driven logic of traditional teamaking, moving toward data-driven standardization, greener practices, and intelligent operations, offering a replicable, scalable pathway for the low-carbon transformation of the tea industry.

(State Grid Wuyishan Electric Power Supply Company)



Small-Scale Innovation Addresses Power Supply Challenges in Remote Areas

小装置破解偏远地区供电难题

How can reliable and cost-effective electricity be delivered to remote and dispersed public facilities? Wuhan's answer is simple: harness renewable energy without extending the grid.

In Wuhan's Dongxihu District, the stable operation of 122 sewage interception sluices is closely tied to urban safety. Yet these facilities are remotely located, consume relatively little electricity, and are widely dispersed. Under conventional power supply models, dedicated electricity connections are costly, underutilized, time-consuming to construct, and difficult to repair during outages.



Moving beyond the traditional grid-extension approach, State Grid Wuhan Dongxihu Power Supply Company equipped each sewage interception sluice with standalone solar generation, battery storage, and intelligent control systems. This plug-and-play microgrid solution enables rapid deployment and remote operations. Installation can be completed within a week, and the system can maintain stable power supply even during three consecutive months of overcast and rainy weather. Compared with conventional solutions, the model reduces costs by over 50%, while the remote monitoring platform enables real-time monitoring and immediate fault alerts.

This model can be replicated in any city facing off-grid power supply challenges — from a single sluice facility to an entire community—safeguarding urban safety through a more economical, reliable, and sustainable energy solution.

(State Grid Wuhan Dongxihu Power Supply Company)



Blue Circle: Engaging Fishers to Bring Back Marine Plastic Waste

蓝色循环： 引导渔民带回海上塑料垃圾

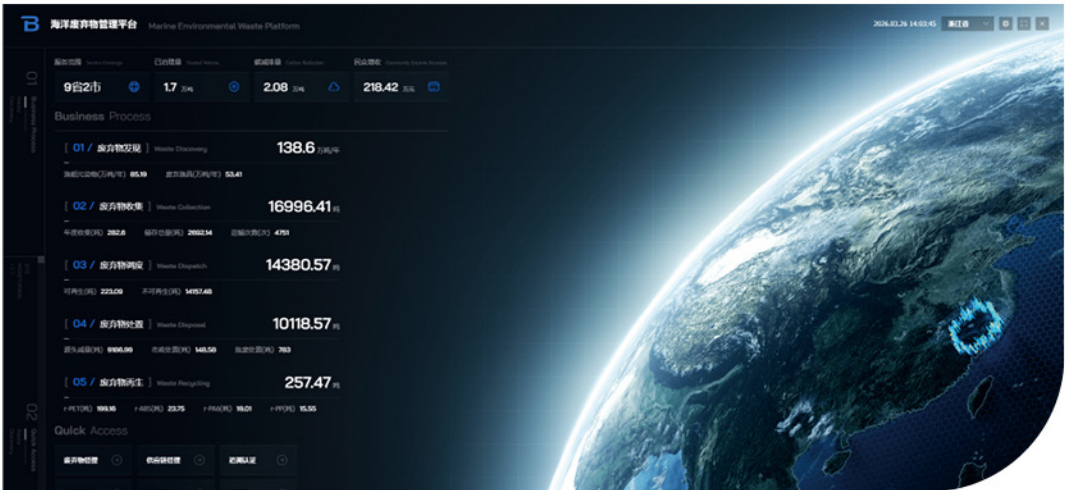


Marine plastic pollution is a major global challenge. Zhejiang Blue Circle Technology, based in Taizhou, Zhejiang, has launched the "Blue Circle" model, turning marine plastic recovery into a circular, sustainable system through three breakthroughs: fisher participation incentives, full-chain digital traceability, and access to high-value markets.

The "Blue Circle" model promotes a multi-stakeholder governance system featured by government guidance, enterprise operation, public participation. Incentives and green loans encourage fishers to bring back marine waste, which is then collected through dedicated services. Public welfare jobs channel recycling benefits to low-income coastal communities, raising participants' average monthly income by over USD 176. An IoT-blockchain-big data platform enables full-chain traceability from collection to remanufacturing, overcoming trust barriers to high-value markets. Revenue premiums are reinvested into upstream collection, forming a closed-loop system of "collection-recycling-value creation-incentives", attracting 276 upstream and downstream enterprises.

To date, the model has been implemented across 16 counties in five coastal provinces, including Zhejiang, Jiangsu, and Hainan, engaging over 30,000 vessels and more than 60,000 participants, and recovering over 10,000 tons of marine waste. The project was recognized as an Excellent Solution among GoldenKey—SDG Solutions and the United Nations Champions of the Earth Award in 2023, and received the Dubai International Best Practices Award for Sustainable Development in 2025.

(Zhejiang Blue Circle Technology Co., Ltd.)





**Staying Committed to
Harmony Between Man and Nature**

坚持人与自然和谐共生

绿色发展



Combating Invasive Species in Brazil's "Barren River" 为巴西“荒河”治理外来入侵物种

Brazil's Paranapanema River has become known as a "barren river" due to severe ecological challenges, such as biodiversity loss, disappearing endangered species, and the spread of invasive species.

While advancing global clean energy investment and development, China Three Gorges International Limited (CTGI) has established a multi-dimensional, full-cycle aquatic ecosystem governance framework. Through four key initiatives—scientific breeding of native species, breakthrough conservation of endangered species, genetic intervention against invasives, and intelligent regulation of aquatic vegetation—it has developed an integrated "protection-restoration-prevention-circulation" solution, achieving harmony between hydropower operations and ecological conservation.

Among these efforts, genetic intervention against the invasive golden mussel has been particularly effective. With a breeding density of up to 15,000 individuals per square meter per year, golden mussels threaten water quality and ecological balance across Brazil and Latin America, costing Brazil's hydropower sector about BRL 400 million annually. CTG Brasil invested BRL 7.5 million (68.1% of the total project investment), partnering with Bio Bureau and SENAI CETIQT to apply gene drive technology that renders mussels unable to reproduce or attach. This fundamentally curbs population growth, reduces treatment costs, and safeguards local river ecosystems.

(China Three Gorges International Limited)



No Net Loss of Biodiversity: A Symbiotic Practice in an Azerbaijan PV Project

生物多样性“零净损失”：阿塞拜疆光伏项目的共生实践



A utility-scale solar PV plant was developed along a migratory flyway without harming 25 rare species—an achievement delivered in Azerbaijan by China Energy Construction Group.

Located in Bilasuvar near Shirvan National Park, the project lies along a key migratory flyway and provides a habitat for 25 priority protected species, including the marbled polecat, little bustard, white-tailed eagle, and spur-thighed tortoise. Building Azerbaijan's largest 445MW solar power plant here would, under conventional methods, have meant habitat fragmentation, vegetation loss, and wildlife disturbance—a world-class dilemma of "development versus conservation."

The project team chose to align with three major international standards—those of the International Finance Corporation and the European Bank for Reconstruction and Development, embedding No Net Loss (NNL) of biodiversity as a binding objective across the entire project lifecycle.



Using GPS and field inspections, the team thoroughly examined the site and established three nested management zones: a core conservation zone closed to all machinery, a buffer zone requiring ecological restoration after construction, and a work zone with designated routes and speed restrictions.

On one occasion, a spur-thighed tortoise accidentally entered the work zone. The emergency team immediately suspended construction, established a 20-meter exclusion perimeter, documented the incident, and consulted specialists. The tortoise was safely relocated to suitable habitat two kilometres away. The entire procedure was formally recorded and incorporated into standard operating procedures.

Throughout construction, none of the 25 priority protected species were adversely affected. Wildlife-permeable fencing enabled free animal movement, while topsoil stripping and restoration accelerated natural vegetation recovery by 20% compared with conventional methods. The project was commissioned on schedule, delivering annual generation sufficient to power approximately 222,500 households and avoiding over 600,000 tons of carbon dioxide emissions annually. There were zero ecological complaints and no schedule delays. Humans and nature can coexist harmoniously on the same land.

(China Energy Construction Group)



Power Grids in the Fight Against Desertification

当电网企业成为治沙人：输电铁塔脚下，沙退绿进

Completed in 2010, the Yindong DC Transmission Project was the world's first ±660 kV transmission line. Stretching 1,333 kilometers from Ningxia in the west to Shandong in the east, it is a key corridor in China's west-to-east power transmission project. Along its Ningxia section, 45 towers stand in the Mu Us Desert, where wind and sand hazards had long threatened transmission safety and disrupted local life.

Since 2012, State Grid Ningxia Extra High Voltage Company has developed an integrated desertification control model encompassing assessment, treatment, and maintenance to address the needs of enterprises, governments, and local communities. Working with local authorities, it has conducted sandland assessments and formulated targeted plans. Together with forestry agencies and residents, the project used straw checkerboards, low shrubs and drone mapping to restore the land. Multiparty consultation, data sharing, and coordinated maintenance mechanisms are also in place, ensuring long-term results.



Since implementation, the project has treated a total of 450,000 m² of desert, installed about 1.275 million m² of straw checkerboards, planted more than 80,000 seedlings, and restored over 176 hectares of grassland. Vegetation coverage along the corridor has risen from under 3% to over 75%, eliminating sand burial risks around tower foundations and saving over USD 293,000 annually in O&M costs.

The project has also created local jobs and income, delivering ecological, power, and livelihood benefits. Recognized as a State Grid flagship social responsibility project, it has been widely covered by major media. The model is now being replicated on the Ningxia Shanghu 750kV line. Beyond providing a template for desert transmission corridors, the project has boosted regional ecology and rural vitalization, demonstrating a central SOE's commitment to social responsibility.

(State Grid Ningxia Extra High Voltage Company)



Ecological Restoration Revives a Century-Old Mine

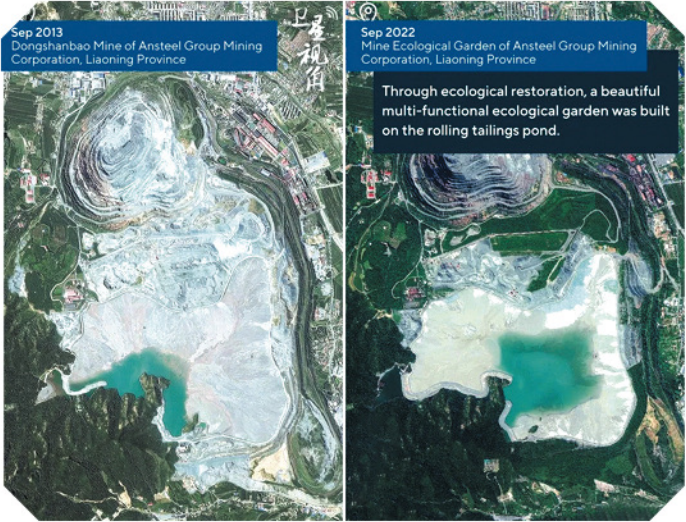
生态修复让百年矿山重新焕发活力

In Anshan, northern China, the century-old Dagushan Iron Mine is healing its ecological wounds. Once a dusty, abandoned pit, it is now becoming a thriving green landscape.

The government-industry-research partnership shaped by Ansteel Group helps systematically restore the Mine. Plant-based rehabilitation technologies and revegetation methods are developed—including willow-basket slope planting, treebag planting, and optimized species selection—achieving a seedling survival rate of over 95%. Slope stabilization projects and ecological engineering measures (minewater recycling, cemented tailings backfilling) have significantly enhanced disaster prevention. An eco-recreation park integrating tourism, science education, leisure, and ecological agriculture has also been built, boosting the local economy.

After over two decades of continuous restoration, the Dagushan mining area has rehabilitated 79 hectares of waste rock dumps, added 411 hectares of forest land, and planted more than 3.6 million trees, raising vegetation coverage to over 98%. The project sequesters 532.5 tons of carbon and saves 900,000 m³ of process water each year. The eco-park maintains negative oxygen ion levels above 5,200, receives more than 20,000 visitors annually, and generates more than USD 441,000 in annual revenue. By integrating environmental, social, and economic benefits, it offers an "Ansteel model" for sustainable mining worldwide.

(Ansteel Group Corporation Limited)





Building a Climate-Ready Grid for Megacities

打造气候适应型韧性电网，
助力全球超大城市应对极端天气

Climate change has triggered more frequent extreme weather. Shanghai, a coastal megacity on the Yangtze River estuary, is highly exposed to typhoons and other disasters.

In response, State Grid Shanghai Extra High Voltage Company has strengthened grid resilience through institutional innovation, smart management, social collaboration, and infrastructure upgrades. The company developed intelligent and digital tools, including the "ATB" blockchain system, visualization devices, and robots, enabling smart risk sensing and collaborative response. These efforts have created a "coordinated, society-wide" model for extreme weather events, building a climate-adaptive resilient grid. In 2024 and 2025, the system successfully withstood three super typhoons, including Typhoon Bebinca, improving emergency response efficiency by 50% and ensuring the safe, stable operation of Shanghai's main power grid.

(State Grid Shanghai Extra High Voltage Company)



Offering Green Shore Power for International Cruise Ships

邮轮靠岸绿电入港

——破解国际邮轮岸电接入难题

Carbon emissions from large cruise ships have drawn growing attention from regulators and travelers. Shore power upon arrival cuts emissions and environmental impact. But high power demand, sophisticated equipment requirements, and variations in voltage, frequency, and berthing configurations have limited shore power uptake.

At the Shanghai Wusongkou International Cruise Terminal, Asia's largest and the world's fourth largest cruise terminal, State Grid Shanghai Shibei Electric Power Supply Company has built the first integrated 35kV/16kV high-voltage shore power system with variable frequency and voltage control, effectively addressing the challenges outlined above. It overcomes technical limitations, boosts international shipowners' willingness to use shore power, and sets a benchmark for cross-border O&M services, ensuring worry-free charging for berthed cruise ships.

In 2025, the system delivered 2.1075 GWh of electricity, reducing CO₂ emissions by 1,500 tons and supporting green cruise and port development.

(State Grid Shanghai Shibei Electric Power Supply Company)



Staying Committed to Results-Oriented Actions

坚持行动导向



A City of Trade That Manages Energy Down to the Last Watt

贸易之城，把能源管到极致

In Yiwu, Zhejiang – a city that ships tens of billions of small commodities worldwide each year – shopping malls stay brightly lit, factories run at full capacity, and logistics move around the clock. Electricity demand stays high, so every watt counts. State Grid Yiwu Power Supply Company responds with a twopronged approach: precise resource coordination and tight energy efficiency control.

The company gathers scattered power assets from across the city to enable resource coordination. Nearly 4,000 enterprises, along with 5G base stations, energy storage devices, air conditioners, and EV charging piles, are brought onto a single “invisible smart platform” – like an intelligent dispatching system for global trade arteries, saving new infrastructure investment.

To tighten efficiency control, the company built a micro energy system at the Yiwu International Trade City, integrating rooftop PV, smart storage, and adjustable chargers. Over the year, it generated over USD 170,000 in additional revenue, cut carbon emissions by 347 tons, and achieved a power supply reliability rate of 99.9998%, keeping livestreams and cross-border orders online.

With precise coordination and tight control, State Grid Yiwu has powered the “World’s Supermarket” with green energy. It is the answer of a trade city: the faster it grows, the more it must manage energy down to the last watt.

(State Grid Yiwu Power Supply Company)



Smart Power Services Fuel Shared Prosperity in China’s Pomegranate Capital

智慧电力服务助力中国石榴之乡共富增收

Zaozhuang in Shandong Province is renowned as China’s pomegranate capital. As the local pomegranate industry accelerates its transition toward scaled-up and more efficient operations, demand for reliable power supply has surged. To support this transformation, State Grid Zaozhuang Power Supply Company launched a VR-enabled power platform tailored to the pomegranate industry, delivering dedicated intelligent power assurance services across the value chain.

During the flowering season, the company strengthens inspections of irrigation power lines and ensures emergency power support against late spring cold snaps, safeguarding harvest prospects. During harvest season, it optimizes grid dispatch to ensure the full-capacity operation of deep-processing facilities and preserve the fruit’s natural flavor. For cold-chain storage, it establishes a 24/7 electricity monitoring mechanism for refrigerated warehouses to ensure zero power interruptions and extend freshness cycles. From cultivation and processing to cold-chain storage, end-to-end power services have underpinned continuous quality upgrades and enabled the high-quality development of the local specialty industry.

Today, the total output value of Zaozhuang’s pomegranate industry chain has reached nearly USD 735.4 million. Average income among pomegranate growers exceeds the city’s rural per capita average by nearly USD 1,177, while businesses across the sector have collectively reduced energy costs by about USD 485,400. High-quality power services have not only strengthened the local specialty industry and unlocked its growth potential, but also delivered tangible benefits to communities, improving residents’ well-being and quality of life.

(State Grid Zaozhuang Power Supply Company)



Chinese Millet: Tackling Food Scarcity in Burkina Faso

小种子，大作为——中国小米破解布基纳法索仓廩之困

In Burkina Faso, a landlocked country in West Africa, millet is a staple food that sustains millions of households. However, due to seed degradation and limited agricultural technology, the average local yield had remained at only 0.65 tons per hectare, leaving many farmers struggling to secure enough food.



In April 2019, the first phase of the Millet Demonstration and Technical Assistance Project for Burkina Faso was officially launched. The project was supported by China and implemented with the participation of CGC Overseas Construction Co., Ltd. (CGCOC), an overseas subsidiary of Sinopec Star New Energy Co., Ltd. Sixteen Chinese agricultural experts traveled to West Africa and worked closely with local communities. The project established a 65-hectare core breeding base and identified high-quality crop varieties. With over 500 hectares of demonstration planting areas, the average yield reached 2.23 tons per hectare—more than three times the previous local level. As a result, Burkina Faso’s average millet yield rose to 0.82 tons per hectare, with a cumulative grain production increase of approximately 400,000 tons.

The project also provides systematic technical training, helps rehabilitate irrigation facilities, develops water-saving systems, and establishes a pilot millet processing plant. These efforts extend the value chain, create stable jobs, and support sustained income growth for local farmers.

(Sinopec Star New Energy CO.,LTD.)



Bridging Cultures with Premium Digital Content

以优质数字文化产品架起全球沟通桥梁



As cultural products go global, cross-cultural success hinges on finding narratives and emotional touchpoints that resonate across diverse cultural backgrounds. Guided by its strategy of “product refinement and global expansion,” Perfect World Holding Group has brought its games, films, and other cultural content to over 100 countries and regions worldwide. These efforts not only extend the global footprint of Chinese culture but also foster mutual learning and people-to-people bonds through empathetic storytelling and respect for diverse values.

In film and television, *Welcome to Milele*, which focuses on China’s medical aid efforts overseas, represents a profound and collaborative China-Africa production effort. The crew filmed on location in Africa, engaging more than 1,400 local actors. The drama celebrates the boundless compassion of China’s medical aid teams abroad and the deep friendship between China and Africa that transcends geographical distances. After airing in Kenya and Tanzania, viewership during the same time slot surged by 135.52%, and the President of Tanzania awarded the team a Special Contribution Award for advancing Sino-Tanzanian friendship.

The short-form drama, *Couple’s Spring Festival*, focuses on common challenges faced by women worldwide, such as balancing work and family,

workplace gender discrimination, and children’s education. Through emotionally resonant storytelling, it connected with global audiences and won multiple international awards, including the first Asia Short Drama Award at the Busan International Film Festival.

Rather than pursuing simple cultural export, Perfect World focuses on creating premium content that blends Chinese and global cultural elements. This approach offers overseas audiences diverse, vibrant, and high-quality cultural experiences, while providing a model for deepening cross-cultural dialogue and mutual learning.

(Perfect World Holding Group)



倪虹洁 / 陆遥

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Carbon Inclusion Scenario Standards for Finance to Drive Green Consumption

共建碳普惠金融场景标准，
激发绿色消费活力

In the global response to climate change, unlocking individual potential for green consumption faces three challenges: hard-to-quantify behaviors, missing accounting standards, and fragmented scenarios. How to digitize, capitalize, and monetize the everyday low-carbon actions of billions of people is a shared global challenge for carbon inclusion.

In 2022, China CITIC Bank Credit Card Center leveraged fintech to launch the “CITIC Carbon Account,” China’s first bank-led individual carbon account. Its innovations are threefold. First, it established a scientific accounting standard, leading the development of China’s first carbon inclusion methodology for paperless finance, covering seven activities including digital credit cards, online payments, and loans. Second, it monetized carbon assets. In 2025, the program received the first batch of certified carbon reductions for green finance scenarios issued by government authorities. In 2026, it launched a feature allowing users to redeem carbon reductions for installment interest discounts, which, combined with national subsidies, enables users to enjoy installment services at rates as low as zero interest, turning low-carbon behaviors into tangible financial benefits. Third, it built a cross-industry green ecosystem through the “Green Trust Hub” platform. With more than 20 partners, including China UnionPay, Huawei, and Meituan, it covers scenarios, such as mobility, recycling, and energy. The center also pioneered the first interoperable carbon account system jointly built with China UnionPay.

By April 2026, the “CITIC Carbon Account” had over 30 million registered users, cut over 220,000 tons of carbon emissions, and engaged users in green consumption more than 100 million times, effectively guiding low-carbon living and making green finance truly inclusive.

(China CITIC Bank Credit Card Center)



Cashmere Value Chain Innovation for Shared Prosperity in Pastoral Areas

创新产业模式，引领牧区“羊绒共富”

Drawing on over 40 years of full-chain cashmere expertise, Erdos Group is driving a dual-driver model—market incentives and community empowerment—at the source of its supply chain to enable smart herding, fair pay for quality, and ecological stewardship.

Since 2019, Erdos Group has introduced a premium purchasing system in key cashmere regions, encouraging herders to shift from quantity-focused to quality-focused production. Higher prices for superior raw cashmere have accelerated scientific livestock management and improved product quality. From 2019 to 2025, the program benefited over 15,000 herder households. In 2025, after joint government-enterprise subsidies, the highest-grade ultra-fine raw cashmere was purchased at 2.86 times the market price, while average fiber fineness improved year by year.

Building on its source ranch network, Erdos Group has developed “shared prosperity communities” in pastoral areas. Through a cooperative model, it provides highquality breeding goats at no cost, with herders retaining all cashmere proceeds. Combined with technical training and joint production standards, the model helps herders move from raw material suppliers to valuechain partners. Every 200 breeding goats delivered can raise a herder household’s annual income by over USD 14,700. By aligning ecological conservation with income growth, Erdos Group offers a sustainable cashmere development pathway – a practical model for rural vitalization in resource-dependent regions.

(Erdos Group)





Leveraging SDG Finance to Accelerate Rural Vitalization
度小满 × 联合国开发计划署，
可持续金融助力乡村振

Access to finance for micro, small and medium-sized enterprises (MSMEs) remains a global challenge. In rural China, 65% of MSME owners identify financing difficulties as their primary barrier to growth, driven by structural constraints such as information asymmetry and insufficient collateral.

In partnership with the United Nations Development Programme(UNDP) and the China International Center For Economic And Technical Exchanges, Duxiaoman launched the five-year "Leveraging SDG finance,



accelerating rural vitalization" program in 2022. The program established Sustainable Development Innovation Service Centers at the county level, leveraging digital platforms to lower financial institutions' risk control costs while channeling capital toward green industries and underserved communities.

By the end of 2025, the program had expanded to seven counties and cities nationwide, facilitating over USD 21.4 million in financing support for more than 7,000 rural MSMEs. To strengthen local capacity, more than 70 training sessions had been delivered, benefiting nearly 9,000 rural entrepreneurs, including over 3,300 women. In parallel, Duxiaoman's independently launched "Xiaoman Support Initiative" had extended interest-free loans totaling nearly USD 66.1 million across 122 districts and counties in 31 provinces, autonomous regions and municipalities, indirectly benefiting nearly 400,000 farmers and young entrepreneurs.

The program has developed an integrated rural vitalization model combining interest-free loans, capacity building, industry empowerment, digital services and multi-stakeholder collaboration. By creating a scalable and replicable pathway for rural sustainable development, it offers a practical reference for developing countries seeking to harness fintech to foster inclusive growth.

(Duxiaoman Technology (Beijing) Co., Ltd.)



Lighting Up Rural Children's Growth Through Sports
以体育点亮乡村儿童的成长之路

Improving quality of physical education (PE) and ensuring sports bring joy to every child helps narrow the urban-rural education gap and promotes children's all-round development. China Life, in partnership with the Yao Foundation, launched the "Sports Support Program for 100 Schools," building basketball courts, donating equipment, and upgrading facilities. The program also sends PE university volunteers to rural schools, bringing systematic sports curricula to local children, and organizes annual county-level basketball leagues to give rural children a stage to shine. By the end of 2025, the program had reached over 1,300 rural primary schools, benefiting more than one million teachers and students.

(China Life Insurance Company Limited)





About "GoldenKey — SDG Solutions"

金钥匙——面向SDG的中国行动

To implement the assertion that sustainable development is the "golden key" to solving current global problems proposed by Chinese President Xi Jinping and to respond to the United Nations Decade of Action, "GoldenKey — SDG Solutions" (GoldenKey) was launched by China Sustainability Tribune in October 2020. The initiative aims to identify, shape, and promote outstanding corporate SDG solutions in China, tackle humanity's greatest challenges and drive sustainable development in China and beyond. In 2021, the GoldenKey was selected as the UN SDG Good Practices (#SDGAction33560).

As one of China's most influential platforms for sustainable development, GoldenKey has been held for six consecutive sessions. A total of 2,365 corporate SDG solutions have been collected, with 1,054 selected as GoldenKey solutions. These solutions span areas such as climate action, well-being for all, rural vitalization, tech4SDG, quality education, action4nature, and zero waste. They stand out for their clear problem definition, outstanding innovation, strong replicability, and significant integrated value, demonstrating the capability and innovation of Chinese enterprises in advancing the SDGs.



Participating enterprises range from central state-owned enterprises and foreign-invested companies to private enterprises of all sizes and sectors. GoldenKey has become one of China's most influential and internationally recognized platforms for corporate sustainability exchange and evaluation.

From 2022 to 2025, GoldenKey and State Grid Corporation of China (SGCC or State Grid) co-hosted the "GoldenKey · SGCC Special" for four consecutive years. The event collects innovative solutions on topics such as low-carbon transformation and green grids, and has identified and promoted numerous exemplary practices within the power sector. In 2025, GoldenKey launched the "GoldenKey · Power Sector Special" in partnership with the China Electricity Council (CEC) to further collect and showcase breakthroughs by power enterprises in SDGs.

GoldenKey continues to optimize and upgrade China's corporate SDG solutions. Through a series of initiatives, including publications, academic forums, field research, international launches, and demonstration projects, GoldenKey showcases and promotes these solutions on domestic and global platforms such as the China

International Import Expo, China International Consumer Products Expo, UN Climate Change Conferences, and IUCN World Conservation Congress. This provides replicable models for more regions worldwide and supports the implementation of the SDGs.



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