

The background of the cover features a woman in a white hard hat and an orange safety vest, smiling and holding a rolled-up document. She is standing in an industrial setting with large metal structures and a yellow staircase in the background. The entire image is overlaid with a blue and green gradient. The title "Sustainability Report 2023" is written in large, white, bold, sans-serif font on the left side.

Sustainability Report 2023

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” Sustainability is not merely a regulatory obligation; it’s a core element of our corporate strategy.”

FOREWORD

Message from our Group CEO

At TAKRAF Group, we believe in acting proactively and taking accountability – not only towards the environment but also towards our stakeholders. While the legal requirement to prepare a Corporate Sustainability Reporting Directive (CSRD) does not apply yet, we see it as essential to begin this process now. This decision is driven by our long-term vision of embedding sustainable business practices deeply into the fabric of our company culture.

Sustainability is not merely a regulatory obligation; it’s a core element of our corporate strategy. We recognize that the markets in which we operate increasingly value sustainable solutions and transparent reporting, which is why we view the early adoption of CSRD reporting as an opportunity. This step allows us to demonstrate to our employees, clients and all stakeholders that we are committed to responsible, forward-thinking actions.



Thomas Jabs
Group Chief Executive Officer

This commitment to sustainability is deeply rooted in our history. As we prepare to celebrate 300 years of operation in 2025, we reflect on how our products and services have consistently addressed the fundamental challenges of each era.

For nearly three centuries, we have helped secure the commodities crucial for industrial progress. Today, we are playing a key role in the energy transition, assisting in the extraction of critical metals needed for a more sustainable future.

The electrification of material transport in mines and terminals is just one example of how our innovations help our clients decarbonize their operations. Sustainability has always been part of our DNA – it's not just a goal, it's our business.



Our aim is to deliver solutions that add long-term value and help our clients meet evolving environmental expectations.”



Our commitments focus on reducing environmental impact by cutting emissions, optimizing resources, and minimizing waste.”

Our long-standing trust in the power of technology, combined with our expertise as engineers, has positioned us as a trusted partner for clients worldwide. Now, as we navigate the path towards a more sustainable future, we are applying that same innovative spirit to develop strategic measures that will guide us. Just as we prioritize the needs of our clients and employees, we also emphasize strong governance as part of our broader commitment to sustainability.

Sustainability and innovation are key pillars of TAKRAF Group's long-term strategy. Our commitments focus on reducing environmental impact by cutting emissions, optimizing resources and minimizing waste. We are also investing in energy-efficient technologies that both benefit our operations and help clients meet their sustainability and safety goals. Innovation drives these efforts as we continually explore new technologies to enhance sustainability while staying competitive.

We prioritize helping our clients tackle sustainability challenges by providing energy-efficient solutions that reduce emissions, water use and waste, all while maintaining, or even improving, high safety standards.

Beyond our equipment, we also provide consulting services to enhance operational sustainability through retrofitting, upgrades and optimizations. Our aim is to deliver solutions that add long-term value and help our clients meet evolving environmental expectations.

Our sustainability report is designed to reflect the expectations and feedback of our key stakeholders, including clients, employees, suppliers and our shareholder. By actively engaging with these groups, we ensure that our initiatives are in line with their priorities. The report underscores our efforts to meet client demands for sustainable solutions, to support employees by promoting a safe and responsible work environment, and to achieve transparency in all aspects of our operations. By incorporating stakeholder feedback, we aim to build trust, maintain accountability, and ensure our actions have a meaningful impact for all involved.

Helping to secure the metals supply of the future – for almost three centuries.

Sincerely,
Thomas Jabs
Group Chief Executive Officer

Highlights 2023



Sustainability Approach:

- **Complying with CSRD and the European Sustainability Reporting Standard (ESRS)** with this Environmental, Social and Governance (ESG) report laying the groundwork for future environmental actions.
- **Identifying environmental impacts, risks and opportunities** as a foundation for future strategies.
- **Developing climate strategies** focused on reducing emissions and improving energy efficiencies across the value chain.



Sustainable Solutions and Innovation:

- **Efficient technologies** such as In-Pit Crushing & Conveying (IPCC) systems, Gearless Conveyor Drives (GCDs) or High-Pressure Grinding Rolls (HPGRs), which reduce energy consumption.
- **DELKOR dewatering products**, which contribute to fresh water saving and increased process water use such as thickeners, belt filters or filter presses.
- **Circular economy focus** on durable, repairable and recyclable products such as our TAKRAF Sizer and associated spares.



Compliance and Responsible Sourcing:

- **Strict adherence to international standards** such as ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 certification in our German offices.
- **Anti-corruption measures** and whistleblowing system compliant with European Union (EU) laws and requirements.
- **Use and promotion of sustainable products**, even when not legally required.



Environmental Impact of Operations:

- **Energy consumption reduced** by approximately 16% between 2022 and 2023.
- **Greenhouse Gas (GHG) emissions reduced**, with CO₂ emissions cut by around 17%.
- **Active pollution reduction** through intelligent design solutions which reduce dust emissions by minimizing the handling of material such as reduced conveyor transfer stations.



Employee Engagement and Development:

- **An average of 889 employees worldwide**, with 17% female representation.
- **Focus on diversity, equality and health protection** through comprehensive Quality, Health, Safety and Environment (QHSE) policies.
- **Strong employee involvement** in decision making to ensure diverse perspectives are considered.

About this Report

Please note that this report is an accessible version of the ESRS compliant report, which can be provided upon request. This report is not, in itself, CSRD/ESRS compliant.

▶ www.takraf.com/about-us/sustainability

As we approach our 300th anniversary in 2025, we reflect on our long history as an engineering company at the foundation of modern society's value chains. Our products and services have consistently helped address the fundamental challenges of the changing times, and our deep-rooted belief in the power of technology continues to make us the best possible partner for our clients worldwide.

ESG principles are now an integral part of our governance structure. In this context, we have conducted a double materiality analysis, using the "wisdom of the crowd" approach through a comprehensive survey involving key internal and external stakeholders. This process ensures that our ESG efforts are aligned with the needs and expectations of those who matter most.

Looking ahead, we are committed to enhancing our ESG reporting and developing strategic sustainability measures over the next three to five years. As an engineering company, we are adept at designing innovative solutions and achieving exceptional performance. With the same dedication, we will continue to support our clients and employees while strengthening our governance. Our path to greater sustainability builds on the very principles that have guided us for nearly three centuries: **innovation, trust and a commitment to excellence.**

Our path to greater sustainability builds on the very principles that have guided us for nearly three centuries: innovation, trust and a commitment to excellence.

TAKRAF Group's Business

At TAKRAF Group, we are proud to be a leading provider of technological solutions for the global mining, bulk material handling and minerals processing industries.

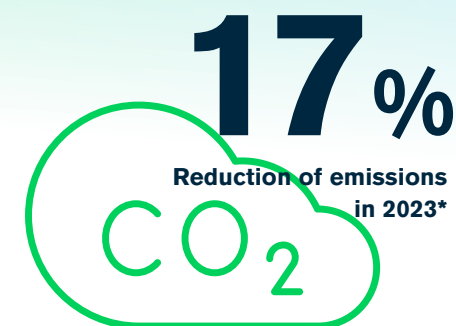
Our TAKRAF business is centered on delivering innovative, efficient and sustainable systems that support the extraction and transportation of commodities. We offer a wide range of solutions, from overburden removal, to raw material extraction, comminution, conveying, loading/unloading, processing, homogenizing, blending, storage and final loading for onward shipment.

Through our DELKOR brand, we also specialize in liquid/solid separation and wet processing, helping our clients benefit and achieve optimal performance and sustainability in minerals processing. Our equipment is specifically designed for the needs of the mining industry. From the outset it is designed to be robust, reliable and reduce environmental impact, ensuring that our customers can reduce costs while improving operational efficiencies.

With almost three centuries of experience, our commitment to engineering excellence and customer satisfaction continues to drive us forward. We work closely with our clients to tailor solutions that meet their specific needs, from single machines to integrated turnkey systems, always with a focus on reducing environmental impact and enhancing long-term performance.



Energy savings in 2023*



*baseline 2022
more info on page 17



Products are offered across 4 main categories:



Mining Systems and Equipment,

which covers excavating, crushing plants, conveying, spreading (dumping) and various auxiliary equipment.



Bulk Material Handling,

which covers stockyard & disposal facilities, loading & unloading equipment, conveying, port facilities, continuous heap leach systems and various "in-plant" handling equipment.



Minerals Processing,
which covers comminution, liquid/solid separation, wet processing and various Dry Stack Tailings (DST) solutions.



Services & Components,

which covers project development services, construction & commissioning, fabrication & components and technical services & spares.

Group headquarters in Leipzig,
Germany, with a global footprint



Material Topics

In 2023, TAKRAF Group conducted our first double materiality analysis, estimating both financial and impact materiality, in order to identify key ESG topics aligned with its business strategy. This assessment followed CSRD and ESRS guidelines.

The analysis, combining quantitative and qualitative methods, engaged both internal and external stakeholders to assess both impact materiality (ESG effects) and financial materiality (financial risks and opportunities), with a three to five year outlook.



3,500 t/h TAKRAF Stacker for iron ore, Australia

The double materiality analysis resulted in a clear ranking of ESG topics based on their overall relevance, considering both their impact and financial materiality.

These are the most material topics:

1. Business Conduct

This was ranked as the highest priority with a score of 1.6. It reflects TAKRAF Group's commitment to ethical business practices and legal compliance, essential for maintaining trust and long-term viability.

2. Water and Marine Resources

Scoring 1.3, this topic is particularly relevant to TAKRAF Group's DELKOR brand, which specializes in liquid/solid separation technologies. These products have a significant impact on water usage and management.

3. Climate Change

With a score of 1.2, the topic of climate change is central to TAKRAF Group's strategy, particularly concerning energy efficiency and emission reduction in its operations and product design.

4. Own Workforce

Ranking at 1.0, TAKRAF Group prioritizes the safety, well-being and development of its employees as integral to its long-term success.

5. Pollution and Consumers and End-Users

Both scored 0.9, reflecting TAKRAF Group's focus on minimizing environmental pollution and ensuring product safety and reliability for its customers.

We see ESG considerations as key opportunities for growth, particularly in resource efficiency, innovation and sustainable partnerships. DELKOR products, for example, can have a significant positive impact on water management.



We don't anticipate major financial risks from ESG factors in the near future. In line with our business model, we've integrated additional sub-topics into our ESG reporting, such as business model innovation, ethics and supply

chain security, all under "Business Conduct". As we move forward, we'll continue enhancing our ESG data systems and reporting to stay aligned with stakeholder expectations and regulatory standards.

Sustainability Framework

After analyzing our most important topics through the double materiality analysis, we developed a **Sustainability Framework** to promote targeted measures in these areas and clearly communicate our **sustainability goals**.

We launched a process involving managers across various disciplines and key internal partners to jointly shape this framework and define a common goal for sustainability. The result is:

- We are pioneers in the sustainable transformation of our industry.
- We support our employees, customers, suppliers and partners to grow and innovate while safeguarding the well-being of our planet.
- We contribute to a resilient and just world by acting responsibly.

This goal is our overarching mission, which TAKRAF Group aims to realize through targeted sustainability measures across three major pillars related to ESG topics.



E – ENVIRONMENT

We possess an overriding commitment to the environment in which we live and operate.



S – SOCIAL RESPONSIBILITY

We ensure a safe, respectful work environment and offer socially responsible products and services for all stakeholders.



G – GOVERNANCE

We prioritize strong governance, especially compliance, in all our processes and collaboration with industry stakeholders.

Our commitment to sustainability is not just a corporate responsibility, but an essential part of TAKRAF Group's identity. By aligning our concrete actions with the Sustainable Development Goals (SDGs), we are taking meaningful steps towards creating a more sustainable future.

On the next page, the SDGs are mapped to our main pillars and complemented by our actions.



SUSTAINABILITY
AMBITION

Environment

We lead the way in addressing the growing demands for sustainability across our industry.



Social Responsibility

With nearly 300 years of engineering expertise, we create innovative solutions that support the drive towards a carbon-neutral and environmentally friendly future.



Governance

Our commitment to technology and strong governance ensures responsible solutions for a better tomorrow.

PILLARS

We possess an overriding commitment to the environment in which we live and operate.

We ensure a safe, respectful work environment and offer socially responsible products and services for all stakeholders.

We prioritize strong governance, especially compliance, in all our processes and collaboration with industry stakeholders.

FOCUS AREAS

Climate Change

Pollution

Water and Marine Resources

Biodiversity and Ecosystems

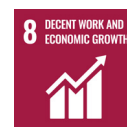
Resource Use and Circular Economy



Commitment to a Diverse and Responsible Workforce

Commitment to Workers in the Value Chain

Commitment to Clients and End-Users

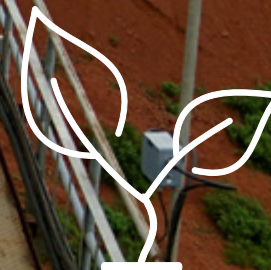


Commitment to Governance and Ethical Business Conduct



Environment

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Transition Plan for Environmental Topics

Currently, TAKRAF Group does not have a formal transition plan dedicated specifically to environmental topics.

However, this sustainability report marks a crucial first step. By identifying TAKRAF Group's potential impacts, risks and opportunities, the Group is laying the groundwork for future action. This process involves a systematic review of how the Group's operations may affect ecosystems and the environment and will serve as a foundation for developing more detailed strategies moving forward.



34 m diameter DELKOR Paste Thickener for iron ore tailings, Mexico

01

Climate Change

Climate Strategies

TAKRAF Group's climate policies focus on reducing emissions in its operations and across the industry value chain. This includes:



Business Operations: Reducing emissions and energy use through energy efficiency and renewable energy.



Product Impact: Developing and proposing continuous mining systems to lower GHG emissions, optimize resource use and improve energy efficiency.



Service Impact: Offering expert support for emission reduction from planning to operations.



R&D Efforts: Ongoing innovation to meet customer demands for energy-efficient, low-emission products.

Actions and Resources

TAKRAF Group leverages innovative technologies to reduce energy consumption and GHG emissions across its value chain. Some of these key innovations include:

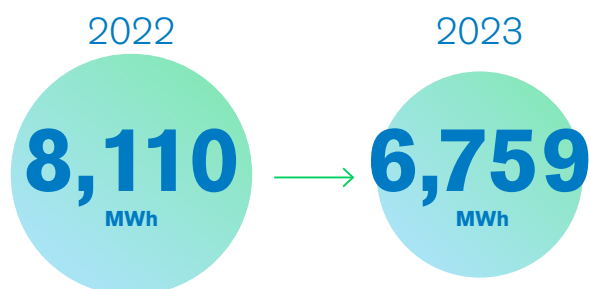
- **In-Pit Crushing & Conveying (IPCC):** This involves crushing materials directly in or at the mine before transporting them via efficient conveyors, reducing the need for energy-intensive and polluting alternative transport systems.
- **High Pressure Grinding Rolls (HPGRs):** This grinding technology uses high pressure to crush rocks and ore, requiring less energy compared to traditional grinding processes, especially for hard materials. Furthermore, flotation efficiency downstream has also shown to be further enhanced through the use of HPGRs in the grinding process.
- **Efficient and effective flotation cells:** DELKOR's BQR Flotation Cells, boasting DELKOR's proprietary MAXGen mechanism improve the recovery rate of valuable minerals while using less energy, increasing overall ore processing efficiency.



1,400 t/h TAKRAF Tube Conveyor, Bulgaria

Energy Consumption

TAKRAF Group's overall energy consumption has shown a marked decrease between 2022 and 2023, reflecting the company's efforts toward energy efficiency. The figures are as follows:



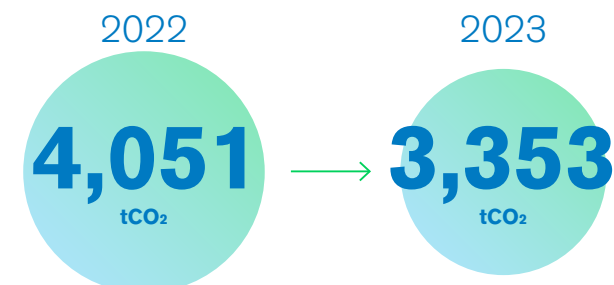
This reduction is significant, especially considering TAKRAF Group operates in many different countries across multiple offices and jurisdictions.



7,250 t/h TAKRAF Crushing Plant for copper, Chile

GHG Emissions

TAKRAF has also seen a decrease in its GHG emissions:



This reduction corresponds with the drop in energy consumption. TAKRAF Group's emissions during its business operations primarily stem from:

- **Electricity use:** The largest portion of emissions comes from the electricity consumed, which depends on the energy mix (renewable vs. fossil fuels) in each location.
- **Heating:** In colder climates, more energy is used for heating facilities, contributing to overall emissions.
- **Vehicle fuel use:** The use of company vehicles across various sites also adds to their emissions' footprint.

The potential for further emissions reductions will largely depend on the ability to switch to cleaner energy sources, such as renewables.

02 Pollution

Environmental Pollution Strategies

TAKRAF Group's pollution strategies focus on the following four main areas.



Business Operations: Within its offices and workshops, TAKRAF Group actively works to prevent pollution of air, soil and water. The Group is committed to reducing environmental impact by adopting cleaner practices.



Product Impact: TAKRAF Group's equipment and the solutions the Group provides are specifically designed for the rigors of the mining industry. Through the use of its equipment and solutions, the Group aims to minimize soil and air pollution and noise. Furthermore, through the combined use of its TAKRAF and DELKOR brands, the Group aims to make the management of tailings safer and significantly more sustainable through the use of its DST equipment.



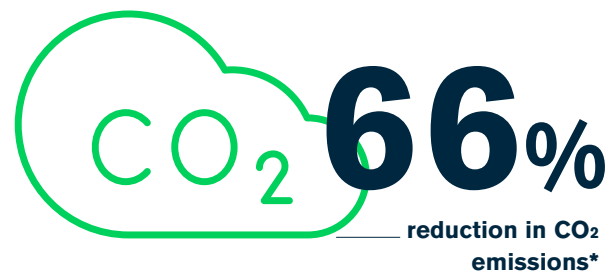
Service Impact: TAKRAF Group's specialists assist clients throughout the entire equipment selection process providing recommendations on appropriate sizing based on specific process requirements. Experienced aftersales teams monitor the performance of equipment and conduct regular health checks on site, ensuring correct and efficient operation and lowering downtime.



R&D Efforts: TAKRAF Group is constantly innovating products and services to reduce or eliminate pollution where possible. The Group's R&D teams develop new technologies and undertake improvements to existing technologies aimed at lowering pollution across the industry value chain.



27,600 t/h TAKRAF Spreader for overburden, Thailand



*compared to diesel truck engines for the same copper production volume

Actions and Resources

TAKRAF Group is taking concrete steps to reduce environmental pollution across its operations and product lines. For instance, the company has revised its car fleet policy to prioritize electric vehicles where applicable, based on regional availability. In addition, TAKRAF Group's equipment and service innovations to reduce or eliminate pollution in the value chain include:

- **Emissions Reduction** through Gearless Conveyor Drives (GCDs). Together with a specialized drive partner, gearless drive technology is applied to conveyor drive pulleys. GCDs eliminate the need for a gearbox, significantly increasing efficiency and reliability, as well as reducing maintenance requirements. Further advantages include a considerable reduction in the drive system's footprint and emissions. In fact, for a large copper mine in Chile, studies showed that CO₂ emissions were reduced by 66% as compared to diesel truck engines for the same copper production volume.
- **Noise reduction** technologies, such as long conveyors that require fewer drives and transfer points, or (where applicable), employing, bucket-wheel excavators that eliminate the need for blasting, thus reducing both noise and vibrations.
- **Water management solutions**, such as DELKOR's dewatering equipment that promotes the re-use of process water. Furthermore, TAKRAF Group's DST offering indirectly reduces pollution, since process water is reused in the plant instead of being stored in tailing dams and groundwater contamination through seepage is virtually eliminated.
- **Dust reduction** through the use of tube conveyors, minimized transfer points or even extra long conveyors (up to 7 km in a single flight), which minimize the use of heavy-duty trucks, or through advanced dust extraction systems.



10,000 t/h TAKRAF Conveyor for copper, USA

03

Water and Marine Resources

Water and Marine Resources Strategies

TAKRAF Group's approach to water and marine resources focuses on four key areas:



Business Operations: TAKRAF Group recognizes that many of its offices and operational sites are located in regions that face significant water-related challenges, such as high water stress. Countries such as Australia, Brazil, Chile, India and South Africa are just a few examples of places where water scarcity is a major concern. TAKRAF Group is committed to reducing its water consumption in these areas by carefully managing its use of water and handling wastewater in an environmentally responsible manner.



Product Impact: The Group's DELKOR brand has a significant and positive impact on water usage and wastewater reduction. Dedicated dewatering products such as thickeners, belt filters and filter presses reduce the need for fresh water, improve water recycling rates and minimize waste. DELKOR dewatering equipment is also employed as part of a DST solution offering, which are particularly suited to mining operations in areas where water conservation is critical. TAKRAF Group also contributes to reducing marine pollution through its TAKRAF harbor and port equipment, such as ship/barge loaders, unloaders and tube conveyors, which ensure the safe handling of materials without polluting nearby water sources.



Service Impact: TAKRAF Group's commitment doesn't end with the sale of its equipment. The company supports its clients throughout the entire project lifecycle, from the planning and design stage to the installation and operation of its equipment. TAKRAF Group specialists recommend equipment that meets the specific needs of each client's operations, also ensuring effective water use and the safe and effective use of harbor equipment. Aftersales services include regular monitoring of equipment performance, allowing for adjustments and improvements that reduce water usage and wastewater or potentially even marine pollution. This holistic approach helps clients optimize their water management, contributing to sustainable practices in water-stressed regions.



R&D Efforts: TAKRAF Group continues to innovate products to meet evolving client needs, particularly to reduce water usage and manage wastewater. The Group's R&D team not only develops new products but also offers testing services, both in laboratories and at client sites, to ensure the effectiveness of these innovations. The aim is to help industries, especially mining, reduce their water footprint, which is a growing demand from our stakeholders (local communities, clients, regulators etc.).



Actions to Reduce Water Use

TAKRAF Group's DELKOR brand provides a range of dewatering equipment designed to help industries reduce fresh water usage and waste:

- **DELKOR Thickeners:** This equipment reduces the need for freshwater by recovering and recycling process water and reducing the footprint of – or in some cases even the requirement for – tailings dams. Water recovery can range between 60% and 93%, with a significant positive impact on reducing freshwater use.
- **DELKOR Horizontal Belt Filters (HBF):** Such equipment utilizes vacuum filtration and provides

a high-capacity filtration solution that can be used to dewater a wide range of commodities across various industries. DELKOR pioneered the use of belt filters for acid filtration and such filters are also now well accepted for tailings filtration too.

- **DELKOR Filter Presses:** This equipment applies pressure to dewater a wide range of commodities resulting in a dry filter cake that can then be safely handled. Filter presses are a high-capacity filtration solution which are normally employed downstream of a mining or mineral processing plant or within chemical or fertilizer plants or an Effluent Treatment Plant (ETP), in order to filter mine and plant tailings or waste sludge.

Water Consumption Data

TAKRAF Group is actively tracking its water use across various sites, including its offices and workshops in different countries. In 2023, the Group withdrew around 4,900 cubic meters of drinking water.

This reflects TAKRAF Group's ongoing efforts to monitor its environmental impact and identify areas for improvement. Such data collection is a vital first step in TAKRAF Group's strategy to set meaningful targets and track progress over time.



60 m diameter DELKOR High Density Thickener for copper, Peru



2 m x 2 m DELKOR Filter Press for gold tailings, Uzbekistan

04

Biodiversity and Ecosystems

Biodiversity and Ecosystems Strategies

TAKRAF Group's approach to biodiversity is embedded in its broader sustainability policies, which focus on four key areas:



Business Operations: TAKRAF Group is aware of the importance of biodiversity at its operating sites and aims to manage its impact in a responsible manner. This includes ensuring that its activities do not degrade local ecosystems surrounding its offices, workshops and operational facilities.



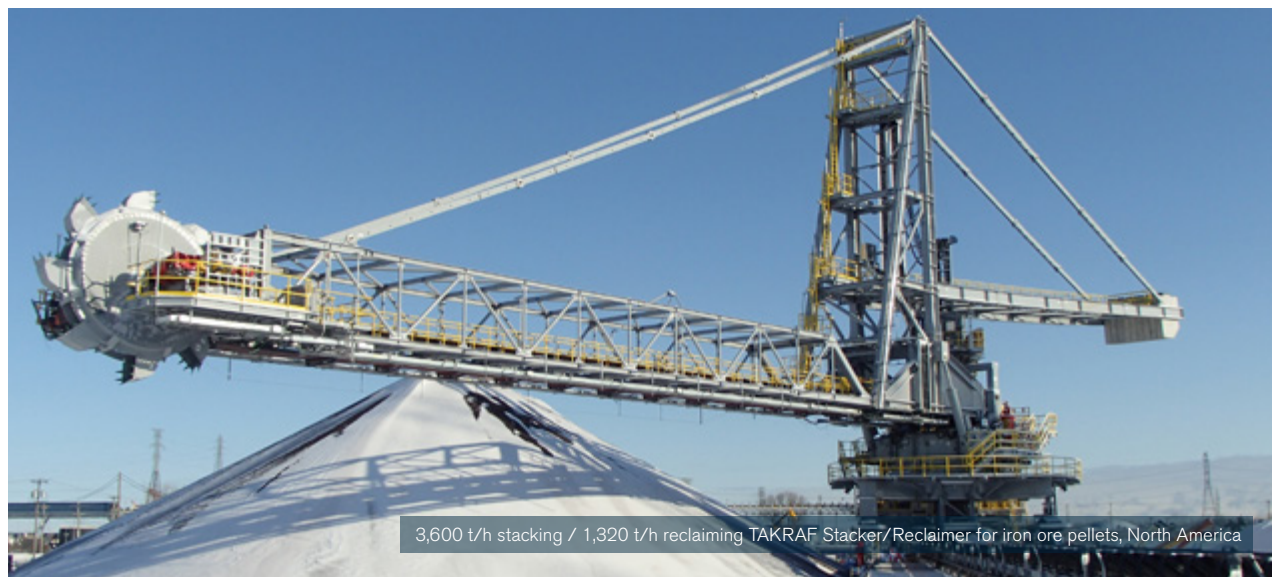
Product Impact: The Group's equipment is designed to minimize negative environmental effects as much as possible, indirectly benefiting biodiversity. By cutting back on land use (such as the need for tailings dams in mining operations), the Group assists in preventing land degradation, desertification, soil sealing and also groundwater contamination, which is critical to preserving ecosystems.



Service Impact: TAKRAF Group services also play a role in reducing the impact on ecosystems, addressing concerns such as deforestation, desertification and degradation of both land and sea. These services are designed to improve resource efficiency and minimize waste, while ensuring that operations are conducted in a way that protects local biodiversity.



R&D Efforts: Innovation is central to our strategy for reducing environmental harm and preserving ecosystems. TAKRAF Group's R&D activities are actively involved in developing solutions, equipment and services that result in a smaller ecological footprint, testing and refining solutions that reduce the Group's impact on biodiversity and ecosystems. This includes laboratory and on-site testing to develop practical options, which have a lower environmental impact for clients.



3,600 t/h stacking / 1,320 t/h reclaiming TAKRAF Stacker/Reclaimer for iron ore pellets, North America

Financial Impact of Biodiversity and Ecosystems Efforts

Our commitment to reducing environmental impact makes good business sense. By offering resource-efficient equipment and services that minimize waste, reduce the use of natural resources and extend equipment lifecycles, TAKRAF Group can enhance its competitiveness in the global market.

Clients, particularly in industries such as mining, are increasingly looking for solutions that align with their sustainability goals, making TAKRAF Group's solutions that consider the environment a key competitive advantage.



17 km, 2,500 t/h TAKRAF Overland Conveyor for molybdenum, USA

05

Resource Use and Circular Economy

Resource Use and Circular Economy Strategies

TAKRAF Group's approach to resource use and the circular economy spans four key areas:



Business Operations: TAKRAF Group recognizes the importance of responsible resource use in its day-to-day activities. The Group aims to optimize its resource input, ensuring the efficient use of materials, while also focusing on reducing overall waste, particularly in manufacturing processes.



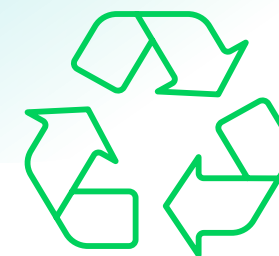
Product Impact: TAKRAF Group's machines and equipment are increasingly being designed with sustainability in mind, incorporating principles of the circular economy. This means reducing resource inputs where possible and producing equipment that can be refurbished, reused and recycled. At the end of their lifecycle, such machines or equipment generate less waste, helping to conserve materials and lessen environmental impact. This approach not only extends equipment or machine life but also reduces the need for new raw materials, driving TAKRAF Group towards more resource-efficient outcomes.



Service Impact: TAKRAF Group's services are designed to support clients in optimizing the use of resources. The Group's specialists guide clients throughout the entire process, from selecting the right equipment to ensuring such equipment operates efficiently and sustainably. By designing and providing equipment that is robust, long-lasting, and easy to maintain, TAKRAF Group helps clients reduce waste. Additionally, the Group's after-sales teams provide timely repairs and checks to ensure equipment is kept running efficiently, minimizing downtime and extending service life.



R&D Efforts: R&D activities are continually focused on improving the resource efficiency of the Group's products, aimed at reducing wear & tear, lengthening service intervals and making maintenance & repair work as efficient and less invasive as possible. The ultimate goal is to reduce waste and resource inputs while improving performance and sustainability. Through in-house and on-site testing, the Group develops solutions that meet the evolving needs of its clients and contribute to the broader goals of the circular economy.



Significant recycling opportunities exist*

*since a large percentage of equipment comprises steel as the primary component



DELKOR BQR Flotation Cells for gold, Australia



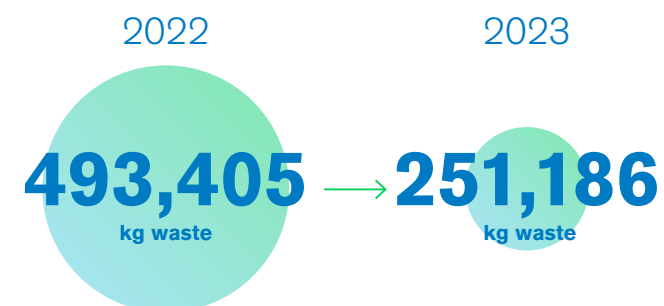
Various DELKOR High-Rate Thickeners for potash, Turkmenistan

Actions for Resource Use and Circular Economy

TAKRAF Group has introduced several innovative products and services aimed at improving resource efficiency across the value chain. One example is the application, together with the Group's drive partner, of gearless drive technology to conveyor drive pulleys. So called GCDs eliminate the need for a gearbox, reducing the drive system's footprint and significantly reducing the number of wear parts. This innovation not only increases efficiency and reliability but also minimizes maintenance requirements, helping to reduce both resource use and waste, not to mention the reduction in emissions.

Resource Inflows and Outflows

From the outset, TAKRAF Group designs its products to be durable, fully repairable and refurbishable. The Group ensures that spare parts are available or can be manufactured to meet clients' needs, helping to extend product life and reduce waste. With recyclable material such as steel as the primary component, around 80% of the Group's products can theoretically be recycled at the end of their lifecycle, reducing environmental impact and supporting the circular economy. In 2022, TAKRAF Group generated 493,405 kg of waste, of which the majority was non-hazardous. By 2023, this figure had dropped to 251,186 kg, reflecting the Group's ongoing efforts to reduce waste in its operations.



Social Responsibility

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- 29 Commitment to Clients and End-Users



01

Commitment to a Diverse and Responsible Workforce


At TAKRAF Group, we take pride in our workforce, which comprises an average of 889 employees for the year with around 17% female representation. We believe that fostering diversity and promoting equal opportunities are essential for our success and innovation.

Central to our operations is our unwavering commitment to the health and safety of all our stakeholders – this is at the core of our Zero Harm approach. Through our comprehensive QHSE Policy, we ensure that everyone involved in our operations – employees, clients and partners – benefits from a safe and sustainable working environment. We leave no room for compromise when it comes to health and safety.

Additionally, our dedicated Employment and Human Rights Policy reflects our commitment to treating all employees and service providers fairly, without discrimination. We actively work to prevent bias and foster equal opportunities for all members of our team.

Recognizing that employee perspectives are crucial, we actively engage with our workforce and their representative (where relevant) on projects, policies and processes that may impact them. This collaboration ensures that diverse voices are heard across all levels of the organization.

Data security and privacy remain a top priority, as trust in these areas is essential to building strong relationships within our workforce.


889
— average number of
employees in 2023

02

Commitment to Workers in the Value Chain

Our commitment to health and safety goes beyond our immediate workforce – it extends to all workers throughout our value chain. At TAKRAF Group, we ensure that the same rigorous standards we uphold for our own operations are applied to everyone involved in our broader network. The well-being of all stakeholders is integral to our success, and we remain dedicated to the Zero Harm approach, protecting everyone's safety and rights at every level.

We implement procedures to prevent, detect and address any issues of misconduct, supported by transparent whistleblowing processes that ensure workers and all employees at every level can safely report concerns.

By holding ourselves accountable across our value chain, we foster a culture of integrity and responsibility, benefiting all stakeholders connected to our business and operations.



03

Commitment to Clients and End-Users



At TAKRAF Group, we extend our commitment to diligence and responsibility to our clients and end-users, applying the same rigorous standards that we uphold for our own workforce. Our dedication to QHSE principles is reflected in every aspect of our business and operations, from designing our equipment and services, to managing client expectations and providing expert consultations on operation and maintenance.

We prioritize understanding and addressing our clients' needs, ensuring that our solutions are not only effective but also safe and sustainable. Our focus on QHSE enables us to deliver products and services that meet the highest standards of safety and reliability.

Data security and privacy are also paramount in our relationships with clients and end-users. We recognize the importance of protecting sensitive information and ensuring that our equipment and services comply with strict data protection regulations.

Governance

31 Commitment to Governance and Ethical Business Conduct



01

Commitment to Governance and Ethical Business Conduct

At TAKRAF Group, we are committed to operating in full compliance of all applicable laws and regulations across all areas of our business. Our corporate culture is built upon a foundation of integrity, emphasizing compliance, anti-bribery and anti-corruption measures, transparency and ethical behavior in every interaction with employees, clients suppliers and all stakeholders.

To ensure these principles are upheld, we maintain a range of policies, including our Code of Conduct, Anti-Bribery Policy, QHSE Policy and Transparency Policy. These frameworks guide our actions and reinforce our commitment to responsible and ethical business practices.

In addition, TAKRAF Group is proud to be a certified applier of internationally recognized standards, such as ISO 9001:2015 for Quality Management, ISO 14001:2015 for Environmental Management and ISO 45001:2018 for Managerial Systems certification in our German offices.

We offer a secure and transparent whistleblowing scheme, fully compliant with European Union (EU) law. This provides employees and stakeholders with a safe channel to report any misconduct and also ensures that concerns are addressed promptly and in line with our commitment to accountability.

Furthermore, we handle all supplier relationships and supply chain security with great care, ensuring that all partnerships align with our ethical standards. TAKRAF Group also operates in compliance with international sanction regimes, demonstrating our commitment to global legal and ethical standards.

As advocates for ESG principles, we recommend and actively encourage our clients to select solutions and equipment that boast the highest positive environmental impact, even when these options may not be mandatory or are more costly. This reflects our dedication to sustainability and responsible business practices, as we continually strive to minimize environmental impacts and prioritize safety in everything that we do.



The Road Ahead

This inaugural sustainability report marks an important milestone for TAKRAF Group as we continue our journey towards greater transparency and responsibility.

In this report, we have outlined our commitments and actions in the areas of ESG, showcasing our dedication to sustainability across all aspects of our business and operations.

Of course, this is only the beginning. As we move forward, we are committed to continually improving and providing more detailed insights in future reports. Our goal is to track progress, set new benchmarks and share more comprehensive data on our sustainability initiatives and their impact.

TAKRAF Group looks forward to deepening our dialogue with employees, clients, stakeholders and the communities in which we operate, as we collectively strive for a more sustainable and responsible future. Thank you for your interest in our sustainability journey – we are excited to share further developments in the years ahead.

If you have any comments or would like to understand more about our solutions, please send an email to info@takraf.com and we will gladly respond.



Glossary

CSRD	Corporate Sustainability Reporting Directive
DST	Dry Stack Tailings
ESG	Environmental, Social and Governance
ESRS	European Sustainability Reporting Standards
EU	European Union
FPs	Filter Presses
GCDs	Gearless Conveyor Drives
GHG	Greenhouse Gas
HBFs	Horizontal Belt Filters
HPGRs	High Pressure Grinding Rolls
QHSE	Quality, Health, Safety and Environment





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