

Kelvion



**SUSTAINABILITY
REPORT 2024**



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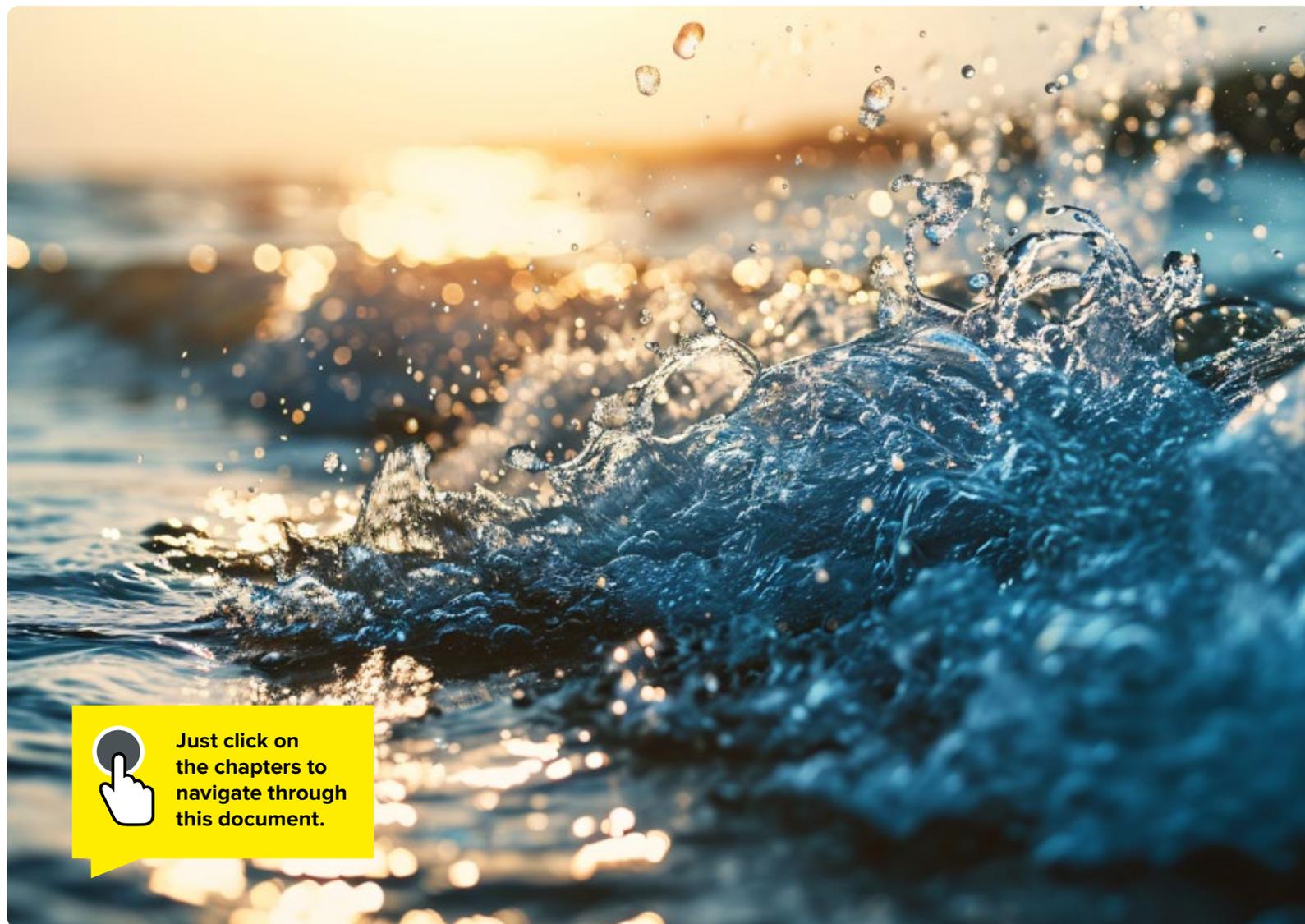
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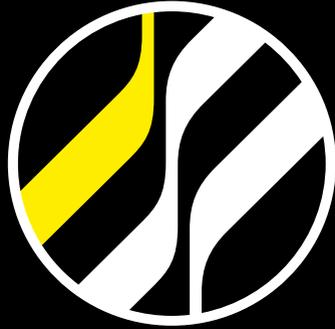


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DECARBONISING TECHNOLOGY

Kelvion



Enabling industrial transformations with mission critical solutions.

We are the leading global developer and manufacturer of heat exchange solutions. Renowned for our commitment to innovation and sustainability, we deliver cutting-edge thermal management solutions that empower customers to ensure reliable, efficient and sustainable operations. Our extensive portfolio serves a wide range of applications such as data centres (Hyperscaler | Colocation | OEM), hydrogen production, heat pumps, marine, HVAC, refrigeration, and the food and beverage industry. Our global sales, service and production network ensures that we are always available to support customers wherever they are in the world. Whether supporting site installation, providing on-site technical service or replacement parts – our comprehensive range of service offerings is designed to optimise performance and extend product lifecycles to ensure reliability and sustainability.

Kelvion – Innovative Heat Exchange Solutions



HIGH TECH

DATA CENTRE COOLING



GREEN TECH

HYDROGEN
RENEWABLE ENERGIES & LNG
HEAT PUMPS



SERVICE

FULL SERVICE FOR ALL
APPLICATIONS

DEAR READER,

Sustainability is a shared responsibility – and a powerful source of inspiration at Kelvion. It defines how we innovate, operate and collaborate. From pioneering heat exchange solutions to fostering a diverse and inclusive workplace, our ESG commitment runs through everything we do.

As we help shape the future of high-tech and green-tech industries, our mission remains clear: to make operations more energy-efficient and sustainable. Guided by our R3 strategy – Respect, Reduce, Report, we continue to minimise our energy and water footprint while accelerating the decarbonisation of our supply chain, and investing in technologies that drive long-term impact.

Our sustainability strategy builds on three strong pillars: environmental stewardship, social responsibility, and ethical governance. Together, these pillars form the foundation of how we create value – for our customers, our people, and our planet.

Across the globe, our teams are the driving force behind our progress. They are embedding circularity principles into our operations, implementing emissions reduction strategies, and advancing our responsible supply chain programme – empowering workers, protecting human rights, and safeguarding the environment. By integrating sustainability criteria into supplier performance, we are not only mitigating risks but also strengthening the resilience of our entire value chain.

As we look ahead, we celebrate how far we've come and acknowledge the journey still before us. With the passion of our employees, the trust of our customers, and the partnership of our suppliers, I am confident that we will continue to drive meaningful change – creating a brighter, more sustainable future for generations to come.

Best regards,



Andy Blandford (CEO)



Andy Blandford (CEO)



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R3 – TOWARDS A SUSTAINABLE FUTURE

We believe that ESG principles are crucial for securing our future as a strong and resilient company to provide long-term value for our customers and business partners. As a result, ESG is an important core component of Kelvion's corporate strategy.

We demonstrate our ESG commitment through our "R3" approach: We aim to **R**espect all employees, **R**educe unsustainable usage of resources and **R**eport transparently to our business partners and stakeholders.

Together with our employees, customers and suppliers, we are looking to a sustainable future, and our decision-making processes include both business considerations and ecological and social aspects.



SUPPORTING THE UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS

The Sustainable Development Goals (SDG) were adopted by the United Nations in 2015 as a universal call to action to end poverty, protect the planet, and ensure that by 2030 all people enjoy peace and prosperity.

We consider these SDGs when defining our ESG strategy, initiatives and annual goals. Following this approach, we are continuously contributing towards the SDGs.

We aim to improve our own sustainability performance and enable our partners and customers to do the same by supplying heat exchanger solutions with the lowest impact on the environment.



ESG COMMITTEE

The goal of the ESG Committee here at Kelvion is to provide strategic guidance on Environmental, Social & Governance activities across the whole company.

It is achieved through regular monthly meetings with regulatory and status updates where support and alignment are secured from all members.

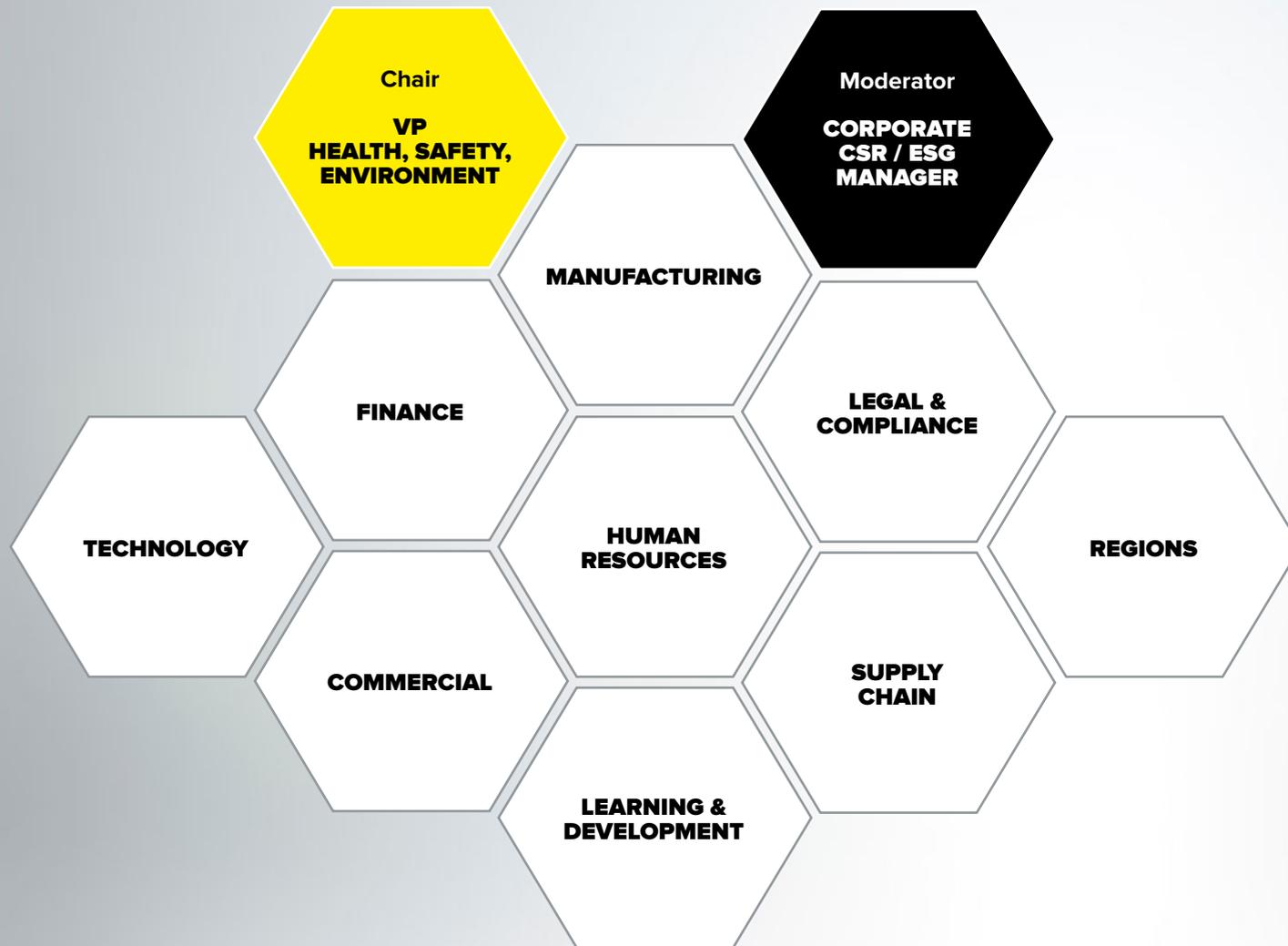
The Kelvion ESG Committee consists of:

- ▶ ESG Committee Chair: VP HSE
- ▶ Moderator: Corporate CSR/ESG Manager
- ▶ Regular Members from Leadership Team representing areas such as Manufacturing, Finance, Legal & Compliance, Technology, HR, Regions, Commercial, Supply Chain and Learning & Development

Including representation of each department in Kelvion helps us achieve true value creation through Environment, Social & Governance.

Core Responsibilities:

- ▶ STRATEGIC DIRECTION
- ▶ SUSTAINABLE INVESTMENT APPROVAL
- ▶ PROGRAM GOVERNANCE



E | ENVIRONMENT

How we reduce our environmental impact

We place significant emphasis on environmental conservation, climate action and energy efficiency – across our entire supply chain, internal production processes, and the delivery of our final products and services.

With our waste reduction programme and our contributions towards a net-zero future, we intend to exceed our customers' expectations of high quality and resource-efficient production and supply chains. We intend to become carbon neutral by 2040 and we have set ourselves ambitious annual targets to improve our carbon footprint to reach this goal much sooner.

We are currently collaborating with EcoVadis to expand our sustainability rating from a limited scope to all Kelvion locations worldwide. This comprehensive restructuring involves multiple initiatives, and we expect to receive an updated independent rating for 2025.

**KELVION INTENDS
TO BECOME CARBON
NEUTRAL BY 2040**



E | ENVIRONMENT

GLOBAL ENVIRONMENTAL PERFORMANCE OUTPERFORMING TARGETS

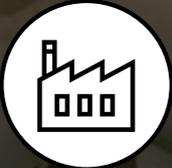
KPIs represent intensity values, meaning they are relative to revenue and not absolutes.

ENERGY USAGE



FROM FUEL

TARGET **-10%**
PERFORMANCE **-15%**



FROM UTILITIES

TARGET **-10%**
PERFORMANCE **-29%**

WATER USAGE



INPUT

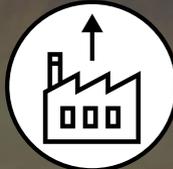
TARGET **-10%**
PERFORMANCE **-38%**



OUTPUT

TARGET **-10%**
PERFORMANCE **-26%**

GREENHOUSE GAS EMISSIONS



SCOPE 1

TARGET **-6%**
PERFORMANCE **-23%**



SCOPE 2*

TARGET **-10%**
PERFORMANCE **-52%**

*Scope 2 is market-based

WASTE DISPOSAL



TOTAL WASTE

TARGET **-10%**
PERFORMANCE **-6%**

E | OUR GLOBAL ENVIRONMENTAL TARGETS

CATEGORY	KPI
 ENERGY USAGE	Energy usage from fuel
	Energy usage from utilities
 GREENHOUSE GAS EMISSIONS	Greenhouse gas emissions - direct (Scope 1)
	Greenhouse gas emissions - indirect (Scope 2)
 WATER USAGE	Water usage – input
	Water usage – output
 WASTE DISPOSAL	Waste disposal

ENERGY USAGE FROM FUEL | kWh

Total net energy usage (purchased plus self-generated minus sold) from fuels that the operation/site/enterprise needs to operate, from all sources, regardless of use (e.g., fuel oil, natural gas for production, or office lighting, food production, heating warehouse).

ENERGY USAGE FROM UTILITIES | kWh

Total net energy usage (purchased from an utility (an organisation supplying the company with energy) plus self-generated minus sold) from electricity that the operation/site/enterprise needs to operate from all sources, regardless of use (e.g., electricity for production, or office lighting, food production, heating warehouse).

WATER USAGE – INPUT | m³

The quantity of water entering the site, from all sources, needed for operations (e.g. water purchased from local suppliers, pumped from wells, rivers, lakes or ocean used in process areas, including for cooling; NOT rainwater, unless collected and used in process areas).

GREENHOUSE GAS EMISSIONS – DIRECT (SCOPE 1) | kg CO₂e

Direct GHG emissions are emissions from sources that are owned or controlled by Kelvion, and the exhaust of gas is directly from these sources plus vehicles. They are for example emissions from combustion in owned or controlled boilers, furnaces, heating units, and vehicles.

GREENHOUSE GAS EMISSIONS – INDIRECT (SCOPE 2) | kg CO₂ EQ

Indirect GHG emission includes emissions that result from the generation of electricity, heat or steam purchased by Kelvion from a utility provider and generated by this provider. Exhaust of the gases does not take place at the Kelvion premises. This is for example all emissions generated by a power plant and/or gas plant.

WATER USAGE – OUTPUT | m³

The quantity of water leaving the site, from all sources, needed for operations (e.g. water purchased from local suppliers, pumped from wells, rivers, lakes or ocean used in process areas, including for cooling; NOT rainwater, unless collected and used in process areas).

WASTE DISPOSAL

Total amount of hazardous and non-hazardous waste landfilled or incinerated without energy recovery. Waste that is reused, recycled, or recovered is not considered disposed. Classification as hazardous or non-hazardous follows local regulations and may include solvents, flammable or chemical materials, batteries, acids, and bases.

“At its core, ESG is about protecting and creating value through tailored approaches. It relies on strong local expertise to meet local needs, supported by global collaboration across all functions, including eco-design, to consistently drive excellence.”



ANTOINE GRONDIN
Corporate CSR/ESG Manager



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E | WATER SAVING PROJECT

The price and scarcity of water is a growing problem that needs our attention and proper management. Our colleagues in Pune have incorporated some additional good practices which will help us reduce its usage:

- ▶ Installation of an automatic level controller and energy efficient pump system – saving 1,400 m³ of water per year
- ▶ Installation of an STP water line for garden irrigation – saving 4,200 m³ of water per year
- ▶ Installation of a 10 m³ water filtration system – saving 350 m³ of water per year

This saves a total of 5,950 m³ of water per year.



5,950 m³
water is saved yearly in Pune



E | HVAC HEAT RECOVERY

In our plant in Wuhu, China we have created a system to recycle waste heat from the 120 kW plate pressing production line to heat water used for the employee shower room. This uses an integrated air-source heat pump instead of an electric heating system (80 kW x 2 units). By doing this we have reduced our electricity costs by RMB 130,000 annually (EUR 15,500).

The dry cooler can directly cool the hydraulic oil of the press without starting the water chilling unit when the ambient temperature is below 30 degrees. Wet curtain can effectively lower the temperature of outdoor cooling air during the hot summer period and improve the energy efficiency ratio of the chiller.

High-efficiency low-temperature air source heat pump evaporators provide heating for the pressing plate workshop in winter, ensuring a proper environment for high-quality titanium plate pressing.

The project was realised using components produced in house: wet curtain dry cooler, low-temperature heat pump evaporator, oil-water plate heat exchanger unit, and workshop air conditioning unit.



“The Wuhu initiative is a powerful example of how we turn environmental responsibility into practical action. By capturing and reusing waste heat, we’ve reduced our carbon footprint while enhancing workplace comfort. It’s a testament to our commitment to sustainable industrial leadership.”



CHRIS YUAN
HSE & ESG Manager APAC



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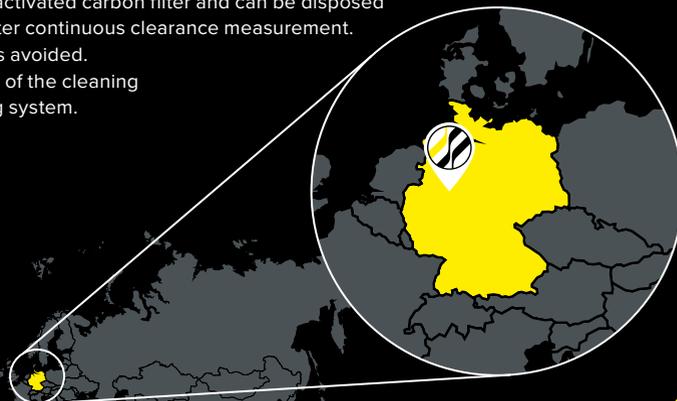
DECARBONISING TECHNOLOGY

E | OPTIMISED PLATE CLEANING

The redesign of a new cleaning area that takes into account optimised requirements for the process (P), occupational health and safety (A), environmental protection (U) and the topic of careful use of energy (E), is also to be implemented in a supplementary project phase.

Detailed measures:

- ▶ (U) Installation of the cleaning basins in a specially equipped area with a sealed floor and double collection facilities in the event of a spillage.
- ▶ (A) Separation of the cleaning area from other production areas, labelling of hazardous areas and training of employees.
- ▶ (A) Procurement of durable lifting gear for moving the panels.
- ▶ (P) The layout of the area takes into account an optimised process flow and simplified handling.
- ▶ (E) Heated cleaning basins are provided with a cover.
- ▶ (A) The high-pressure cleaner is moved to the outside area so that noise and exhaust fumes are kept outside. The area is also easy to clean and designed to optimise the process.
- ▶ (M) Cleaning water is purified in an activated carbon filter and can be disposed of in the public sewerage system after continuous clearance measurement. Extra collection and measurement is avoided.
- ▶ (E) Conversion from electric heating of the cleaning basins to use of the building heating system.



23t

less hazardous waste per month



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How we care for our employees and foster a culture of diversity, equity and inclusion.

Our employees are the core of our business, and we want them to thrive in a safe and healthy environment. We have a clear vision: to achieve zero accidents and ensure the highest standards of safety and health across our operations. We are committed to providing suitable workplaces, implementing improvements, and monitoring their impact continuously.

Our ESG strategy aims to create a responsible company culture and an inspiring work environment. This also includes diversity, equity and inclusion at all company levels.

We value the diversity of our workforce and respect each individual as a unique human being. We believe that diversity, equity and inclusion are essential for our success and innovation. We have a firm policy of rejecting any form of discrimination and promoting equal opportunities for all. We have established various programmes to support this mindset globally, such as the Whistleblower Policy and several health and safety initiatives.



ZERO-HARM STRATEGY ENSURES SAFETY AND WELLBEING OF THE EMPLOYEES

DIVERSITY, EQUITY & INCLUSION IS AN INTEGRAL PART OF KELVION'S HR POLICY



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S | SAFETY TOPIC OF THE MONTH

The 'Safety Topic of the Month' (STM) is an initiative for our employees aimed at increasing awareness of various safety topics. The topics addressed are diverse and especially crucial for employees in production and service facilities, while also holding significant importance for those working in office environments. The STM material is provided to employees via the intranet and communication boards in every production site globally.

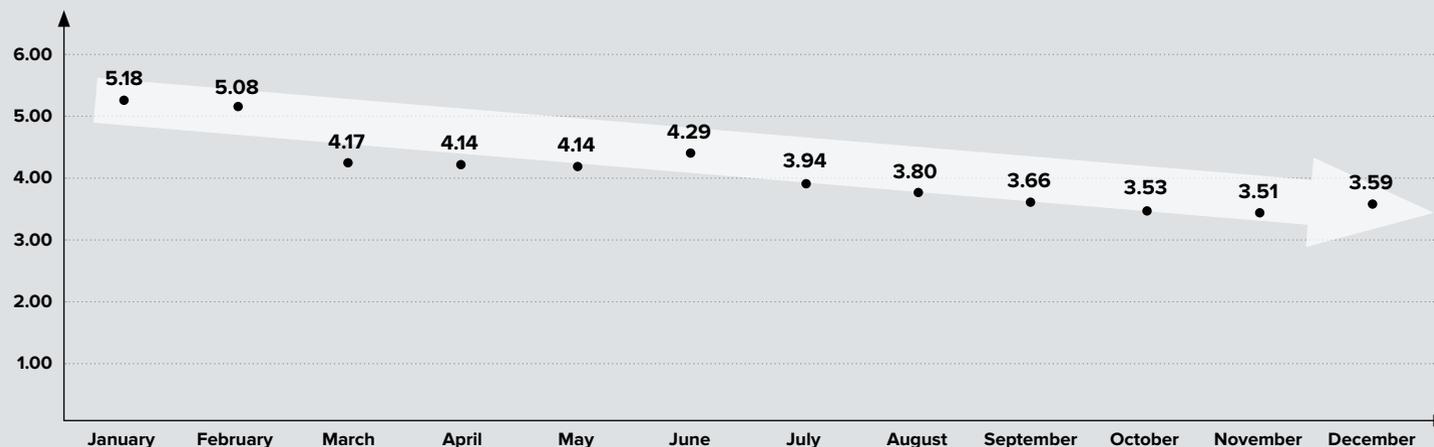
Every STM focuses on a specific risk, providing clear guidance on how to mitigate it, primarily through technical, organisational and personal directives. In addition to the 'Safety Topic of the Month', there is a checklist available for those responsible for occupational health and safety at the site to support safety and reduce risks.

FOCUSED TOPICS FOR 2024

- JANUARY:** Hazards involved in the maintenance and cleaning of machines
- FEBRUARY:** Hazards of wood and metal dust
- MARCH:** Hand injuries and recognising hazards
- APRIL:** Lockout & Tagout (LOTO)
- MAY:** Take 5 – before you start an activity, a moment for your safety
- JUNE:** Ergonomics at the workplace, the right posture
- JULY:** Safe driving, road safety
- AUGUST:** Permit to work, hot work
- SEPTEMBER:** Safe operation of forklifts
- OCTOBER:** Safe operation of cranes
- NOVEMBER:** Safe storage, safe work
- DECEMBER:** Fire protection, prevention of fires



IMPROVED SAFETY PERFORMANCE LOST TIME INJURY FREQUENCY RATE | LTIFR



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S | LIFE SAVING RULES

Upholding Our Highest Priority: Health & Safety with Life-Saving Rules.

Kelvion's commitment to sustainability is rooted in the unwavering protection of our people. Our core belief is that every employee, contractor and visitor must return home safely at the end of each day. To transform this principle into actionable practice, we formally launched a comprehensive set of non-negotiable Life-Saving Rules across our global operations in 2024.

These rules are designed to mitigate the most critical health and safety hazards identified across our global operations. They form the minimum standard of safety behaviour and are enforced with a strict zero-tolerance policy. We empower every individual with the responsibility and 'Stop Work Authority' to safely halt any task that violates these rules, fostering a proactive culture of collective safety.

A critical component of this initiative is our ongoing global effort to monitor and ensure compliance at all sites. We are actively tracking adherence to these rules through audits, observations and reporting mechanisms to measure the effectiveness of the rollout and embed these essential practices into our daily routines. By diligently adhering to and monitoring these rules, we are building a resilient culture where safety is paramount, ensuring the wellbeing of everyone who interacts with Kelvion.



Always work with a valid permit when required



Always lock & tag out hazardous energies before work begins



Always protect yourself against a fall when working from a height



Always obtain authorisation before entering a confined space and conduct air test



Always use a valid permit when starting any work that produces flame, sparks, arc and/or heat



Never use forklifts or industrial vehicles unless trained and authorized



Never work, walk or stand under a suspended load



Never bypass a machine guard without a permit



Never work on live electrical equipment without a permit



Never work under the influence of alcohol or drugs

STAY SAFE AND TAKE RESPONSIBILITY

S | HSE MANAGEMENT STANDARD

The Kelvion Global HSE Manual provides a minimum performance level for crucial elements within the plan, do, check and act cycle of Health & Safety management. It provides boundaries and guidance for the development of site-specific Health & Safety management systems. The Kelvion Global HSE Manual helps sites formulate site-specific Health & Safety documentation and supports effective implementation of Health & Safety management systems.

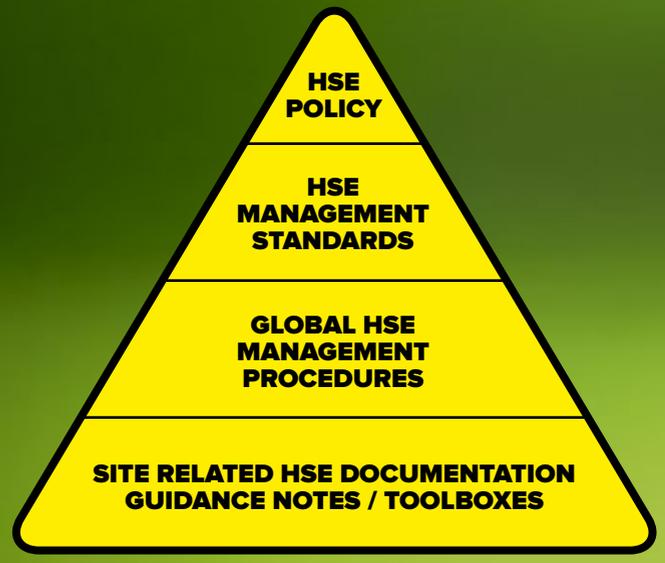
Furthermore, the Kelvion Global HSE Manual contains minimum requirements for Health, Safety and Environmental Risk Control Protocols considered key in providing a safe and healthy working environment within Kelvion.

Continuous improvement is assured by applying the Plan-Do-Check-Act cycle of Deming in all Health & Safety documents.

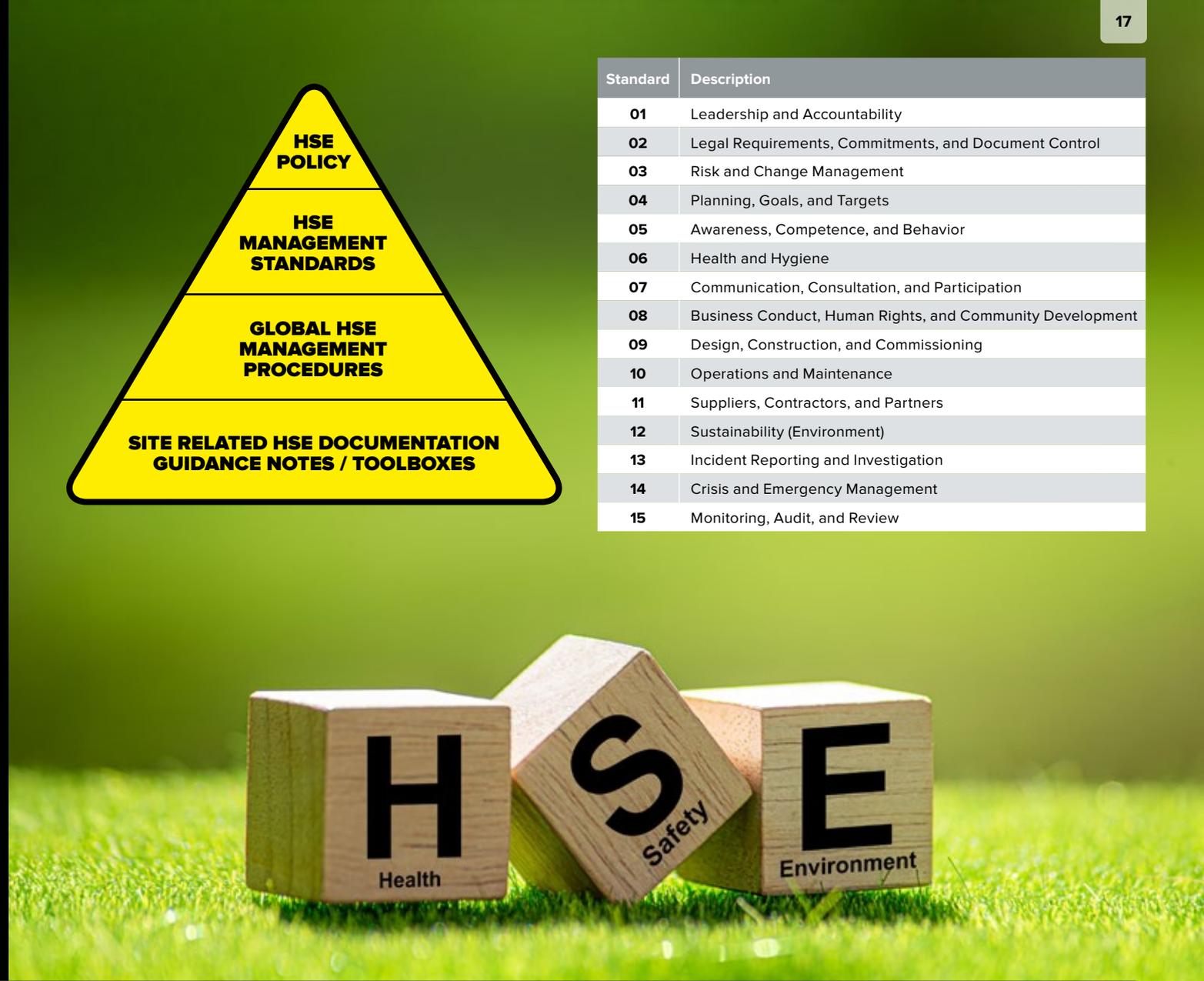
The Health & Safety documents that collectively make up Kelvion's Global HSE Manual are derived from a document hierarchy. Each level in the hierarchy supports the next level.

1. H&S Policy
2. H&S Management Standards
3. H&S Company-Wide Procedures
4. H&S Guidance Notes / Toolboxes and Site HSE Documentation

The document hierarchy can be shown as a triangle, with the top levels regulating the levels below. (see graphic on the right)



Standard	Description
01	Leadership and Accountability
02	Legal Requirements, Commitments, and Document Control
03	Risk and Change Management
04	Planning, Goals, and Targets
05	Awareness, Competence, and Behavior
06	Health and Hygiene
07	Communication, Consultation, and Participation
08	Business Conduct, Human Rights, and Community Development
09	Design, Construction, and Commissioning
10	Operations and Maintenance
11	Suppliers, Contractors, and Partners
12	Sustainability (Environment)
13	Incident Reporting and Investigation
14	Crisis and Emergency Management
15	Monitoring, Audit, and Review



S | KELVION'S WOMEN'S NETWORK

Kelvion's Women's Network continues to grow and facilitates initiatives globally, supported by local ambassadors.

The K^Women's Network is making great strides in strengthening equal opportunities across Kelvion. Women around the globe are joining the virtual meetings – held every two months – to exchange ideas on women's empowerment and hear inspiring keynote speakers share their journeys. Participant feedback ensures the topics are relevant and that important topics are being addressed.

Complementing the network and launched in February 2024, a mentoring programme strongly focused on women addresses self-awareness, leadership skills, and professional growth, while fostering a more diverse and inclusive culture.

Local ambassadors in EMEA, APAC and Americas actively support and advance DE&I initiatives worldwide.



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S | DE&I AMBASSADORS

Our DE&I ambassadors drive our diversity, equity, and inclusion efforts worldwide.

Each region – APAC, Americas, and EMEA – has dedicated ambassadors who align with our global DE&I goals while tailoring them to local contexts. By launching regional initiatives and joining DE&I working groups, they ensure our approach stays relevant and impactful across cultures and geographies.

Key responsibilities include:

- ▶ Fostering advocacy and promotion
- ▶ Implementing education and training
- ▶ Providing support and guidance
- ▶ Driving cultural change



“For me, diversity is the heartbeat of a healthy organisation. It’s about respecting every individual and turning differences into strength. So don’t count the differences, but make every difference count.”



VIOLA JEYAJEEVAN
PMO Manager & DE&I Ambassador



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S | A CELEBRATION OF UNITY IN DIVERSITY AT KELVION MALAYSIA

Our Service site in Kuala Lumpur brought colleagues together for a DE&I Cultural Exchange Lunch, celebrating Malaysia's Independence Month and the nation's vibrant cultural heritage.

Malaysia is renowned for its rich mix of ethnicities, traditions and cuisines. Reflecting this spirit, our team shared and enjoyed traditional dishes from the Malay, Chinese and Indian communities – demonstrating how food can connect people and honour the diverse backgrounds that shape our everyday work life.

Kelvion believes that diversity and inclusion are key to our success. We are committed to creating a workplace where every voice is heard and every culture is respected. Events such as the Cultural Exchange Lunch strengthen this commitment, encouraging meaningful connections and mutual understanding across our team.

This lunch is just one example of how we celebrate our differences and build a stronger, more inclusive Kelvion community together.



G | GOVERNANCE

Kelvion supports human rights, fair working conditions, environmental protection and anti-corruption. So, acting responsibly is firmly integrated in all manufacturing and service processes. Compliance is a fundamental part of our company. Further, sustainability is playing a key role in our supplier management and we are striving for the highest level of compliance across all Kelvion functions and involved parties globally.

SUSTAINABILITY AS A KEY ROLE IN KELVION'S SUPPLIER MANAGEMENT



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CODE OF CONDUCT

Update to Kelvion Code of Conduct.

Our Global Code of Conduct outlines the most important compliance areas that we need to follow, such as environment and safety, general business conduct, anti-trust and competition, anti-fraud and anti-bribery, data protection and working conditions. In 2024, Corporate Compliance continues to evolve in response to emerging global risks and regulatory expectations.

Kelvion's revised Global Code of Conduct, effective from 1 October 2024, reinforces our commitment to integrity, fairness and legal compliance across all business activities. It outlines the expected values and behaviours for employees worldwide, ensuring alignment with internal policies and external regulations. The updated version emphasises anti-discrimination, data protection, and responsible conduct, and applies to all employees regardless of location. The update to the Global Code of Conduct was followed by an updated training course for all employees.

Kelvion Code of Conduct

<https://www.kelvion.com/company/esg/g-governance>



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COMPLIANCE ORGANISATION

Bringing our Compliance organisation to a new level.

Compliance with the legal provisions, rules, regulations and policies applicable to Kelvion is a basic success factor for the business and an important component of good corporate governance. Modern compliance functions are no longer siloed departments – they must be embedded across group entities, with clear roles and responsibilities defined to ensure awareness and pragmatic handling of compliance matters in our daily business.

Following the One Kelvion approach focusing on compliance throughout all activities, the clear goal is establishing and improving a network of professionals within each Kelvion company as the first point of contact for all compliance-related matters – the Company Compliance Managers. We have a clear roadmap which not only includes selecting and appointing qualified professionals, but our roadmap also foresees creating a vivid environment for the Kelvion compliance community with regular monthly calls, discussing highlight topics and giving attention and dedicated space to our Company Compliance Managers.



G | GOVERNANCE

EXPORT CONTROL

Export control is a vital component of responsible global business conduct. It ensures that sensitive goods, technologies and services are not misused or diverted to unauthorised destinations or end-users. Kelvion's vast product portfolio and global activities require constant monitoring as global standards of national and international regulations, including dual-use restrictions, sanctions regimes and embargoes, tighten.

Adhering to these rules is not only a legal obligation – it is a reflection of Kelvion commitment to ethical trade and global security. Following the same logic as our compliance organisation, Kelvion actively works towards establishing a dedicated Export Control community.



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DECARBONISING BUSINESS WITH SMART HX TECHNOLOGY

Environmental degradation is constantly increasing the pressure to change production and consumption behaviour. The energy efficiency of heat exchangers has a significant influence on the energy consumption of processes in numerous industries.

Highly efficient heat exchangers enable customers to realise energy savings so that less climate-damaging CO₂ is emitted into the environment.

HEAT EXCHANGE SOLUTIONS FOR CARBON CAPTURE

WASTE HEAT, WISE USE: DATA CENTRE POWERING SUSTAINABILITY

ECO-DESIGN SOLUTIONS



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HEAT EXCHANGE SOLUTIONS FOR CARBON CAPTURE

As the green tech industry continues to gain momentum, Carbon Capture is emerging as a key driver of growth, right alongside our strong high tech business.

Why Carbon Capture?

It's a critical technology to meet climate commitments – by capturing CO₂ from industrial processes before it reaches the atmosphere. Whether stored underground or repurposed in industrial processes, it's all about reducing emissions in hard-to-decarbonise sectors such as cement, steel, and chemicals.

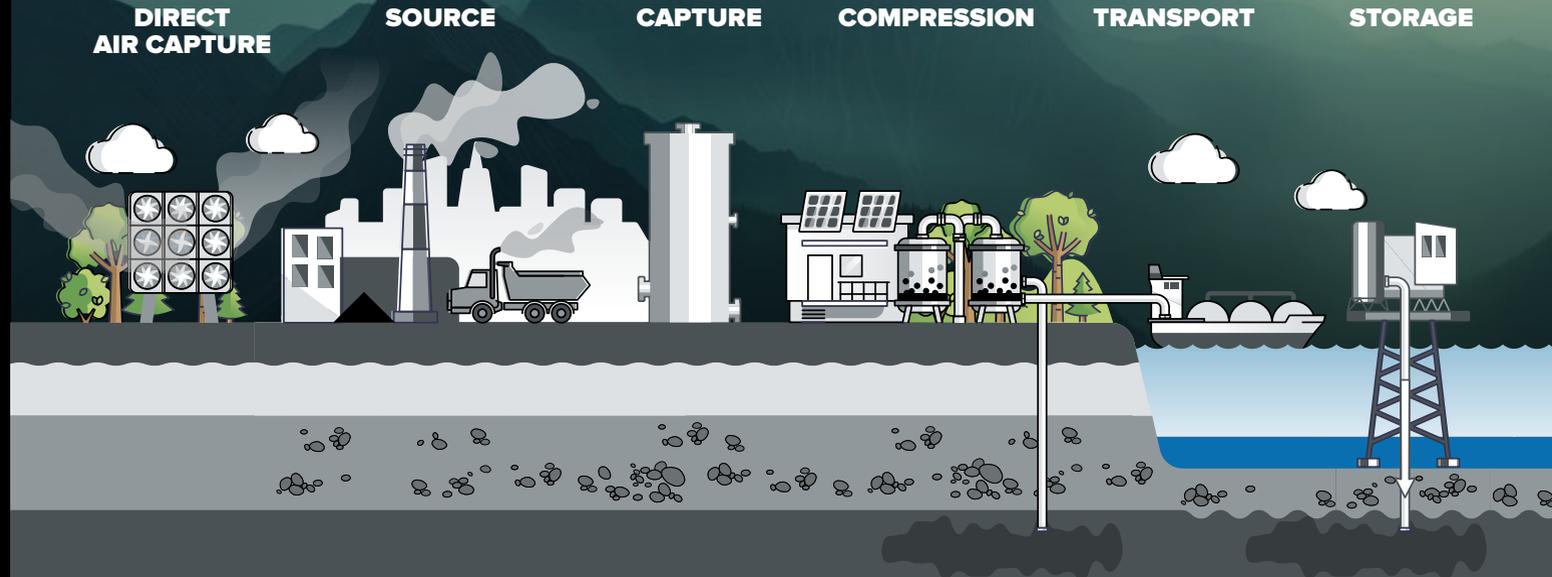
FIND OUT MORE ABOUT OUR SOLUTIONS FOR CARBON CAPTURE



“Think of carbon capture as the backstage crew making the renewable energy show run smoothly – and Kelvion’s got the gear to make it all happen! From capture to storage, we’re in it for the climate win.”



MARCIN KARAS
VP GSE Green Technologies



WASTE HEAT, WISE USE: DATA CENTRE POWER- RING SUSTAINABILITY

Mainova WebHouse, a subsidiary of one of Germany's largest energy suppliers, is setting new standards for sustainable data centres with its campus in Frankfurt. Powered entirely by green energy and supplemented by onsite solar generation, the 30 MW facility also recycles waste heat to supply neighbouring buildings.

To ensure energy-efficient cooling, Mainova WebHouse chose an innovative, fully water-based dry cooling system from Kelvion. Twenty custom-designed dry coolers – each 10 metres long and equipped with 16 fans – provide reliable, frost-protected heat rejection while consuming less energy than conventional systems.

Compared with competitor models, Kelvion's solution achieves the same cooling performance with fewer fans, cutting operating costs and improving efficiency.

LEARN MORE IN OUR VIDEO ABOUT THE MAINOVA WEBHOUSE PROJECT



"Mainova WebHouse's focus on decarbonisation aligns perfectly with Kelvion's commitment to delivering sustainable, high-tech cooling solutions. We're proud to support data centres in meeting global climate goals with our energy-efficient heat exchange technology."



BJÖRN STEMMANN
VP GSE Data Centres

ECO-DESIGN SOLUTIONS

In 2024, we launched a new department focused on advancing Eco-Design and Sustainability initiatives.

On your journey towards climate neutrality, we can help you with elements like:

- ▶ **Carbon footprint calculation** note as a first approach
- ▶ **Life-cycle assessment (LCA)** software evaluation
- ▶ **Environmental Product Declaration investigations** (Eco label or legal requirements anticipation such as border declaration)
- ▶ **Eco-Design** of product on request

Our Sustainability and Eco-Design Department can provide a comprehensive Life Cycle Assessment (LCA) that covers every stage of your product's life.

From raw material extraction and the full supply chain to Kelvion manufacturing, delivery, years of site operation, and ultimately disassembly and disposal.

All assessments are carried out in accordance with ISO 14040 and ISO 14044 standards.

"We've launched a dedicated Eco-Design Dept to support our customers' sustainability goals on their carbon neutrality target. From footprint analysis to tailored product design, we are a solutions provider that can help customers to face these challenges."



JULIEN BELLANDE
Sustainability & Eco-Design Manager

ENERGY, MINING & MANUFACTURING

NON-DIRECT SUPPLIERS

- ▶ **Raw Materials** (Aluminium, Copper, StSt)
- ▶ **Electrical Components**



DIRECT SUPPLIERS

- ▶ **Copper Coil**
- ▶ **Aluminium Coil**
- ▶ **Metal Sheet**
- ▶ **Fans**
- ▶ **Cables**
- ▶ **etc...**



KELVION

- ▶ **Brazing**
- ▶ **Metal Punching**
- ▶ **Fin Pressing**
- ▶ **etc.**



UTILITIES DURING WHOLE LIFECYCLE

CUSTOMER

- ▶ **Power**
- ▶ **Water**
- ▶ **etc**

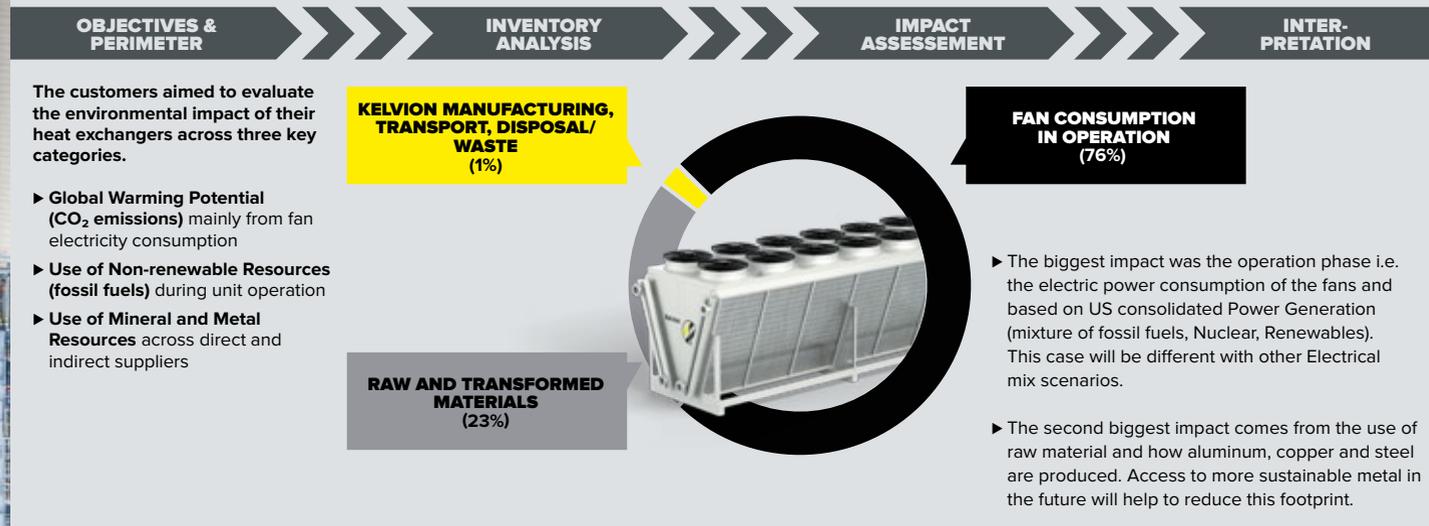


WASTE & TRANSPORT

END OF LIFE & WASTE TREATMENT

EXAMPLE | PRODUCT ENVIRONMENTAL IMPACTS

Results vary depending on heat exchanger type, type of electricity, and local resource consumption.



ABOUT KELVION



FOREWORD



KELVION'S R3 PROGRAMME



E | ENVIRONMENT



S | SOCIAL



G | GOVERNANCE



DECARBONISING TECHNOLOGY

IMPRINT

PUBLISHER
Kelvion Holding GmbH

IMAGES
Kelvion Holding GmbH
Gettyimages
Adobe Stock

