

# SUSTAINABILITY - OUR STATEMENT

## OUR GOALS, OUR ACTIONS AND OUR ACCOMPLISHMENTS

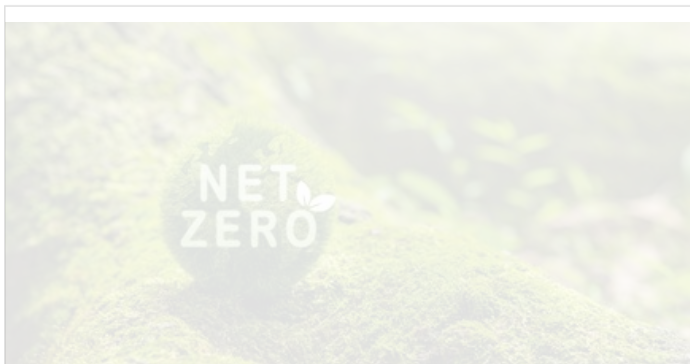


## OUR VISION

The foundation-owned TROX Group defines sustainability as part of its corporate DNA. Since 1951, the long-established company TROX has focused on innovation, durability and efficiency - combined with socially responsible action. TROX GmbH offers components and systems that make the best possible use of available resources and make a significant contribution to climate protection throughout their entire value chain. Sustainability lies at the core of our actions, it is a growth driver and, at the same time, forms a great part of our responsibility.

## „WE WILL BECOME CLIMATE-NEUTRAL\* 10 YEARS EARLIER THAN REQUIRED BY THE EU“

\* Scope 1, 2, 3 upstream (click button for explanation)



### CLIMATE-NEUTRAL\* BY 2040!

At TROX, environmental and social responsibility and profitable



### GOALS FOR SUSTAINABLE DEVELOPMENT

As a globally active Group, our sustainability strategy is based on

growth are not conflicting goals. Because continuous improvements ensure our future viability. It is about more than saving energy, reducing water consumption or minimising waste. To fulfil our ambition of being climate-neutral\* by 2040, we are consistently using all our entrepreneurial opportunities on the path to a sustainably productive future. (\* Scope 1, 2, 3 upstream)

the United Nations' 17 Sustainable Development Goals. Some of these goals have long been part of our values, such as more sustainable economic development, technical innovation, energy efficiency and, most importantly, human well-being.



## STRATEGIC FIELDS OF ACTION

Our 360° sustainability approach comprises 6 defined strategic fields of action that include almost all 17 Sustainable Development Goals. To achieve these goals, we want to meet the enormous challenges of our time and play an active role in shaping sustainable living, working and economic activity ([Picture Action fields large](#)).

## THE TROX COMPANY



TROX is a global market leader in the development, manufacture and sale of components, units and systems for the safe ventilation and air conditioning of rooms, including fire protection and smoke extraction technology. TROX products are produced in an environmentally friendly manner, are energy-efficient and ensure demand-based operation.

With 33 subsidiaries in 28 countries on five continents, 20 production sites and further importers and representatives, the company is present in over 70 countries. The TROX GROUP currently has around 4,770 employees worldwide and an annual turnover of around 670 million Euros.

## THE HEINZ-TROX-FOUNDATION



The foundation is an expression of the life's work of its founder, Heinz Trox. By establishing the foundation in 1991, he ensured the continued existence of TROX GmbH as an independent company. The object of the foundation is the advancement of scientific projects in the field of ventilation and air-conditioning technology and the support of social and cultural activities.

The Heinz Trox Foundation holds 94% of the shares in TROX GmbH which is based in Neukirchen-Vluyn on the left bank of the Lower Rhine. The foundation's holdings in the TROX GROUP are its primary asset; its dividend distribution forms the economic basis for its sponsorship activities.

You can find more information at [here](#).

## SUSTAINABILITY 2022



### RENEWED EVERY YEAR - THE SUSTAINABILITY REPORT

Climate neutrality and sustainability have long been firmly anchored as corporate goals at TROX. Since 2019, TROX has produced an annual sustainability report with comprehensive information on the successes achieved as well as measures already initiated and planned for the future. A special climate formula was developed to illustrate TROX's commitment.

"TROX is a highly meaningful company that acts sustainably in two respects – for health and for the environment. This follows our tradition, which has always focused on quality, durability, efficiency, innovation and socially responsible action," explains Christine Roßkothen, Head of Corporate Social Responsibility.



## PROCUREMENT

We can only achieve our sustainability goals by involving our suppliers. To this end, we will check at least 90% of all suppliers concerning their sustainability by 2025. At the same time, 100 % of core suppliers are required to transparently disclose their carbon footprints in order to assess their sustainability.

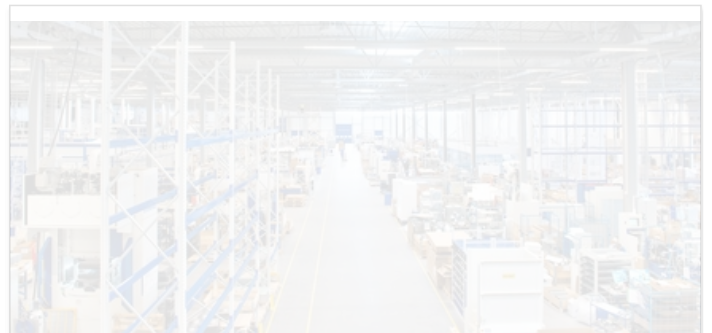
- Supporting our suppliers in implementing and complying with TROX sustainability requirements
- Expansion of sustainability measurement and assessment of our suppliers via platforms such as IntegrityNext
- Review of all suppliers by means of risk screening
- Obligation of suppliers to comply with our *Supplier Code of Conduct* and our General Terms and Conditions
- Joint development of a plan of action and measures
- Increased purchase of recyclable packaging
- Increased sustainability training for purchasing and suppliers
- *"Think global - act local"* - Favouring local suppliers to reduce CO2 transport emissions
- Increased use of green energy and promotion of a certified energy management system for suppliers



## PRODUCTS

A significant portion of TROX' ecological footprint is determined by the products themselves. Our components and systems provide people with clean and optimally tempered breathing air while maximising safety (fire protection). TROX products are durable, energy-efficient and sustainable.

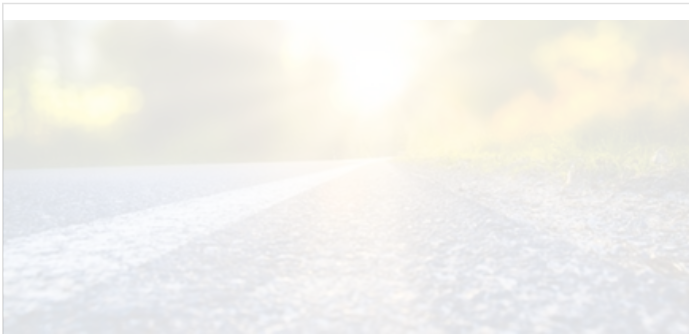
- Well over 500 million people\* worldwide benefit from TROX ventilation and fire protection products (\*estimate based on our sales volumes)
- Reduction of energy requirements through demand-led control
- Maximising overall energy and resource efficiency
- Optimisation of products and systems for partial load operation
- **BREEAM** (British Research Establishment Environmental Assessment Method) is a certification system that assesses the sustainability of building design and the environmental impact of products in buildings. TROX products achieved a positive rating in six out of nine categories.



## PRODUCTION

We put great emphasis on the careful use of raw materials, energy and water. This also includes waste avoidance, recycling and optimised work processes and conditions.

With the TROX Production System TPS, we are improving processes and sustainability aspects in all TROX GROUP



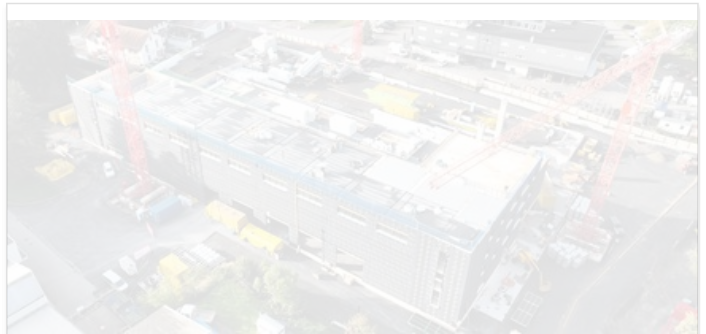
## MOBILITY AND LOGISTICS

Reducing the CO2 consumption of our movements of goods and optimising resources for packaging materials are important to us. We produce in close proximity to the customer, bundle transports, pay attention to the choice of transport modes and optimise packaging for better transportability.

- Optimisation of warehousing to reduce specific energy consumption
- Greater customer proximity through expansion of production facilities
- Minimising transport routes by setting up new production facilities and warehouses
- Bundling regional transport to shorten delivery routes
- Gradual reduction of resources through reusable packaging
- Gradual conversion of the vehicle fleet to e-mobility
- Optimisation of internal production routes and processes to save energy

production facilities worldwide.

- TPS to optimise all production processes and administrative procedures
- TROX management system for quality, energy and environmental management as well as occupational health and safety management
- Optimisation of production processes and material flow
- Reduction of material offcuts and waste
- Investment in hardware and software for energy data acquisition
- Energy auditing system for greater energy efficiency in investments
- Optimisation of working conditions through continuous process recording and elimination of potential hazards



## INFRASTRUCTURE

TROX's operational infrastructure is geared towards sustainability. The efficient use of energy and water in buildings conserves resources, reduces CO2 emissions and lowers operating costs.

Product development is also planned from the outset using recyclable materials to ensure maximum recycling and efficient use of resources.

- Continuous transition to green energy
- Investments in solar energy and other low-CO2 energy sources
- Compensation of remaining CO2 emissions with certificates, see Paulownia plantation
- CO2-reduced wooden construction for new buildings such as TROX HESCO Switzerland, see picture above
- CO2-neutral or at least CO2-reduced production in new construction projects, see TROX Auranor in Norway
- Reduction in primary energy and water consumption through comprehensive building modernisation
- Expansion of energy data collection to increase efficiency and assess the environmental impact of processes
- Development of a standardised Group-wide waste management system
- Conception and expansion of digitalisation processes to increase efficiency and secure the future

## SOCIAL MATTERS

'The human being is the benchmark, and people's well-being is our goal.' We consistently align our actions with this corporate philosophy. In order to establish TROX as the most sustainable company in the industry in the long term, both politically and publicly, we must invest in securing our future today.

- Continuous investment in safety, health and well-being in the workplace
- Promoting the appreciation of our employees
- Expansion of training programmes via high-quality webinars and training courses by 2025
- Promotion of gender equality, including management positions
- Fair remuneration for our employees worldwide
- Commitment to fairness, integrity and equal treatment as well as combating corruption and discrimination
- Consolidation of corporate values through workshops
- Global cooperation with associations, organisations and committees to enforce sustainable quality, environmental and energy standards in the building sector
- Transparent and comprehensible communication with our stakeholders via digital, print and PR media
- Exchange of information and knowledge on good indoor air quality based on scientific studies

## HIGHLIGHTS



### PAULOWNIA PLANTAGE

The Paulownia plantation growing here is a joint project of Stefan Bonsels' farm, the international TROX GROUP from Neukirchen-Vluyn and

the bio innovation park Rheinland e. V. and its scientific network partners.

The tree species, which originates from Asia, is also known as the kiri or bluebell tree. It grows rapidly, binds a particularly large amount of carbon dioxide and offers other benefits, such as use as a building material or food source.

**\*SCOPE 1, 2 AND 3 UPSTREAM.**

**GREENHOUSE GAS  
PROTOCOL**

## DISCOVER THE FUTURE OF SUSTAINABLE BUILDING WITH TROX



### EPDS FROM TROX

The importance of sustainability in our lives and the role of environmentally friendly products is undisputed. TROX takes you into a new era of building with Environmental Product Declarations (EPDs). Learn all about the eco-labelling of products at TROX, from the importance to the benefits of EPDs, and how they can have a lasting impact on your purchasing behaviour.