



NORDIC BRASS
GUSUM

Sustainability report

2024



Company and policy

Nordic Brass Gusum will manufacture and supply the Nordic market with brass that meets, or exceeds, the customers' high expectations. Nordic Brass Gusum will be the obvious supplier of high-quality brass.

Nordic Brass Gusum manufactures brass products using operating systems that lead to meeting quality, energy and environmental requirements, to as little negative environmental impact as possible, with a work environment that is safe and attracts commitment.

By mainly using recycled materials as raw materials, Nordic Brass Gusum wants to contribute positively to the circular society.

The company's policies form the basis for our environmental, energy and quality management systems as well as the systematic work environment work. They, together with our goals, routines and continuous improvements, guide our work and secure the necessary resources, for an operation that meets or exceeds the requirements of customers, employees, authorities and others. stakeholders.

This Sustainability Report covers the production facility in Gusum and its content has been approved by the board of Nordic Brass Gusum AB.

Brass - A circular material

Brass is a golden shiny material with many possibilities and uses, and it is a circular material that can be recycled over and over again.

The main components are copper and zinc. By adding different alloying elements, brass can be given unique properties, and there are many different brass grades adapted for different types of processing and end products.

The brass Nordic Brass Gusum manufactures consists largely of recycled material. Nearly 90 percent of our raw material consists of brass scrap, partly as recycled material from our customers and partly from recycling companies.



Environment and Energy

Our operations are permeated by environmental awareness and we are constantly working to reduce our environmental impact and improve our energy performance through preventive work. This work is continuously measured and followed up.

We apply current legislation, regulations and other regulatory requirements.

We have a well-functioning emergency preparedness system.

Our most significant environmental aspects that we have identified are:

- Electricity
- Emissions to air and water
- Transportation
- Gas

Nordic Brass Gusum has a certified management system for quality, environment and energy according to SS-EN ISO 9001:2015, SS-EN ISO 14001:2015 and SS-EN ISO 50001:2018.

Development of new products, AquaNordic® - lead-free for the environment and humans

In brass manufacturing, small amounts of lead are often added to facilitate turning, cutting and forging. To minimize the use of lead, Nordic Brass Gusum has conducted intensive research to develop a brass alloy that is completely lead-free, AquaNordic®.

Free from contamination

Nordic Brass Gusum has developed a lead-free brass alloy that, through a unique solution, does not have the same problems with silicon and other things that make recycling more expensive and difficult.

Many other lead-free alternatives can also be tricky to process and are hard on tools. AquaNordic® is both lead-free, pollution-free and easy to process.

The chips produced when customers turn AquaNordic® consist of pure copper and zinc.

It can therefore be mixed with other scrap types and constitute raw material for any brass manufacturing process.

Long service life

AquaNordic® can also be dezincification resistant; a property that comes in handy in plumbing, where, for example, faucets made of brass must not release zinc and start leaking after many years of use. A faucet made of AquaNordic® will last at least as long as other dezincification resistant brass. AquaNordic® is sustainable and good for the environment and it also meets all known regulatory requirements.

Emissions to air

Air emissions from the production process consist primarily of dust and nitrogen oxides. Air emissions are measured and reported to the regulatory authority annually.

In 2024, dust emissions were estimated at 1423 kg.

The table below provides a summary of emissions to air in 2024.

Parameter	Quantity	Direct-value	Unit	Discharge point		
				Total	Partial flow	Plant
Dust	0.05	0.05* kg	dust/ton molten material	X		Blocking filter
Dust	1.5	1.9* tons/year		X		
NOx calculated as NO2	64.7	100*	mg/MJ added fuel		X	Oil boiler
NOx calculated as NO2	17.5	50*	mg/MJ fuel added		X	Gas stove

*Guidelines according to current Terms and Conditions from the County Administrative Board, 2020-06-15

Emissions to water

The process water and storm water contain copper and zinc, among other things. To minimize emissions of copper and zinc, Nordic Brass Gusum has treatment plants for both process water and storm water.

Nordic Brass Gusum has a purification plant with a large sedimentation basin, carbon filter, sand filter and ion exchangers. The capacity is adapted to cope with larger precipitation amounts that may result from climate change. The facility is continuously monitored and the water is sampled regularly. The results are reported to the regulatory authority monthly and compiled in the environmental report. Work to improve the facility is ongoing, with assistance in the form of expertise and knowledgeable suppliers.



Transport

A major source of carbon dioxide emissions from operations is transportation.

To minimize the impact of transportation, we have trucks that regularly supply our Swedish customers with brass bars, profiles, ingots and nuts. The trucks bring brass shavings and scrap back from our customers. The shavings and scrap are turned into new brass at Nordic Brass Gusum.



As our products are transport-demanding, we also require that all vehicles we use for our deliveries meet at least Euro class 6.

Since 2024, our trucks for Swedish customers have been powered exclusively by HVO100 Diesel. This has reduced our carbon footprint on those transports by approximately 75% compared to B5 diesel.

Deliveries to export customers are often made by train (intermodal transport) to achieve a more cost-effective and sustainable solution. In 2024, 70% of export deliveries were made by intermodal transport.

Energy use

Nordic Brass Gusum has had a certified energy management system since 2007 and works with continuous improvements.

Electricity EPD Water

Production is energy-intensive. The largest energy source is electricity, which is why Nordic Brass Gusum has chosen to only purchase environmentally declared electricity from hydropower in 2024. The distribution between the different types of energy, converted into MWh, is shown in the diagram.

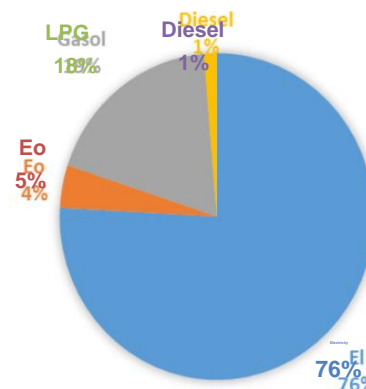


Figure. Distribution between different types of energy

During 2018-2019, Nordic Brass optimized Gusum process in smelters and in this way we estimate that we can save 3000MWh per year. We have also replaced a number of floodlights with LED lighting which is estimated to save 8.6 MWh per year.

In an ongoing project, all old lighting will be replaced with LED, which is estimated to result in energy savings of 965 MWh per year when we are finished.

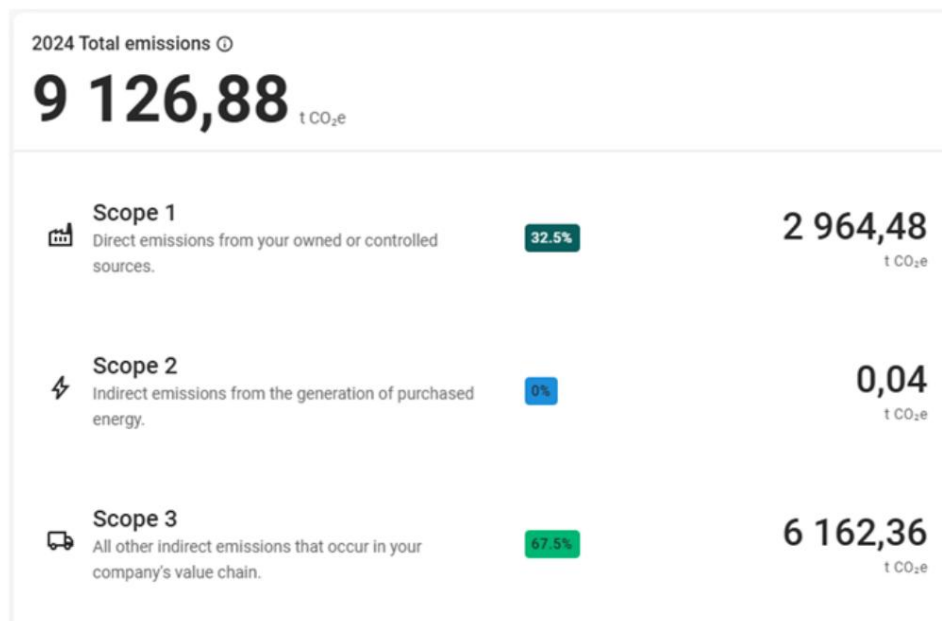
In 2022, optimization of the operation of our furnaces that cast ingots was carried out, we estimate that we will be able to save 540 MWh per year.

Climate calculations

Nordic Brass Gusum AB has carried out climate calculations for its operations according to the GHG protocol together with Position Green and their online platform. The aim has been to carry out climate calculations of the company's contribution of greenhouse gas emissions for 2024 reported as carbon dioxide equivalents (CO₂-eq.).

The calculations have covered all operations within Scope 1 and 2 according to the GHG protocol as well as selected categories in Scope 3. For more information on implementation such as data collection, calculations, assumptions and recommendations, contact Nordic Brass Gusum AB.

The results from the climate calculation are presented in tables and graphs below.



Scope 1	Category	2024 (tonnes CO2e)
	Fugitive emissions (refrigerants)	0
	Company vehicles [excl. electric vehicles]	14,14510692
	Stationary combustion	2950,334652
Total CO2e emissions, Scope 1		2964,479759
Scope 2	Category	2024 (tonnes CO2e)
	Purchased electricity (Market-based) [Incl. electric vehicles]	0
	Purchased electricity (Location-based) [Incl. electric vehicles]	192,2034415
	Purchased heating	0
	Purchased cooling	0
	Purchased steam	0
Total CO2e emissions, Scope 2 [Location-based]		192,2034415
Total CO2e emissions, Scope 2 [Market-based]		0
Scope 3	Category	2024 (tonnes CO2e)
	Category 1: Purchased goods and services	4732,124485
	Category 2: Capital goods	0
	Category 3: Fuel and energy related activities, outside of scope 1 & 2	484,1545774
	Category 4: Upstream transportation and distribution	317,8364808
	Category 5: Waste generated in operations	44,32598832
	Category 6: Business travel	9,2869259
	Category 7: Employee commuting	110,5641659
	Category 8: Upstream leased assets	0
	Category 9: Downstream transportation and distribution	464,069
	Category 10: Processing of sold products	0
	Category 11: Use of sold products	0
	Category 12: End-of-life treatment of sold products	0
	Category 13: Downstream leased assets	0
	Category 14: Franchises	0
	Category 15: Investments	0
Total CO2e emissions, Scope 3		6162,361623
Total CO2e emissions [Location-based]		9319,044824
Total CO2e emissions [Market-based]		9126,841383

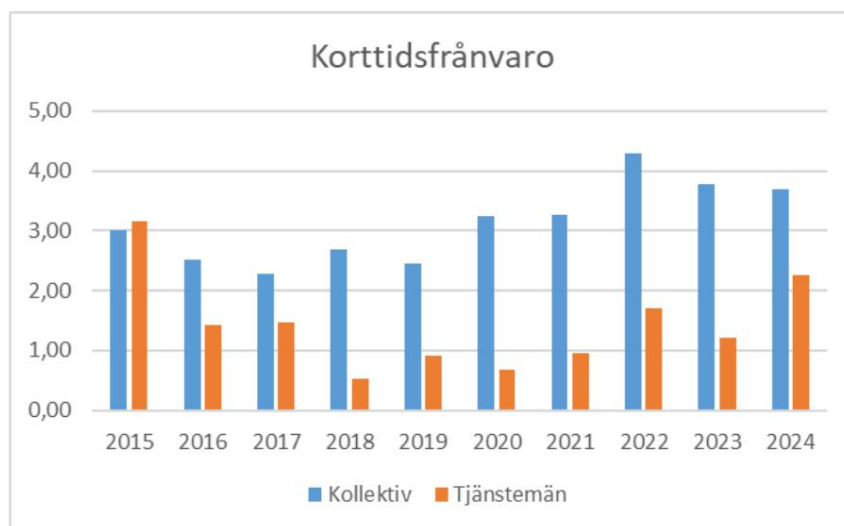
Employees and work environment

We achieve a good physical and psychosocial work environment through preventive work. Our intention is to give all employees the conditions to feel job satisfaction, security and community. We treat each other with respect and do not tolerate harassment or discrimination in any form. Each employee has their own responsibility to contribute to creating a good work environment.

Work environment and safety

The goal of Nordic Brass Gusum's work environment work is to create a workplace that is experienced as developing and stimulating for all employees. We achieve this by integrating health and safety into everything we do:

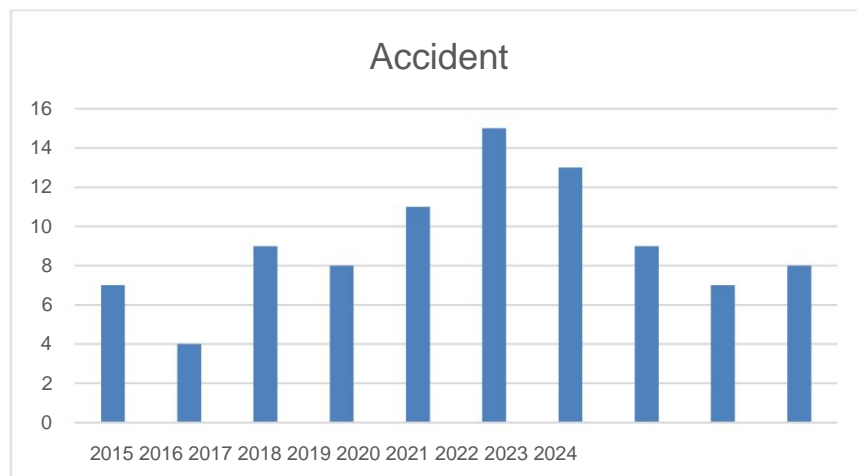
- All employees should be given the opportunity to influence their own work situation including during employee appraisal interviews that are conducted regularly.
- Our safety committee, which meets four times a year and consists of members from management, safety representatives, union representatives and occupational health care. During these meetings, issues such as short-term absences are also followed up.
- Short-term absence increased among white-collar workers in 2024, largely due to the cold scales that passed.



- Safety rounds and risk analyses are carried out for the entire operation in accordance with current regulations. schedule.
- Health checks and training are carried out according to the current schedule.

Despite the ambition for a safe workplace, injuries do occur in the workplace. The injuries are followed up and measures are taken to reduce the number of injuries.

During 2024, we had a total of 8 accidents, 4 of which resulted in subsequent absence.



Equality

Nordic Brass Gusum shall be a company where equal conditions and opportunities apply to all employees. Employees shall have the same opportunities for a safe workplace, regardless of gender or ethnic background. No one shall be subjected to sexual harassment or insecurity based on physical or psychological power. Equality work requires long-term commitment and perseverance.

Nordic Brass Gusum will be characterized by the fact that we:

- Utilizes and develops the resources available to all of the company's employees.
- Works for a more even distribution at all levels within the company regarding gender and ethnic background.
- Base our actions on good ethics, the equal value of people and an open and honest exchange of thoughts and ideas.
- Works to increase diversity both in the existing organization and at recruitment
- Gives all employees equal conditions, pay and development opportunities for work considered equal or equivalent
- Facilitates combining work and parenthood
- Prevents and deters discrimination and harassment

Current policies against abusive discrimination and sexual harassment

Nordic Brass Gusum's policy is that all workplaces within the company shall be free from abusive discrimination. Abusive discrimination refers to repeated reprehensible or negatively characterized actions that are directed at individual employees in an offensive manner and that can lead to them being placed outside the workplace community.

The basic principle of the company's policy is based on respect for the individual regardless of gender, age, geographical or social background, sexual orientation and disability.

No cases related to abusive discrimination or sexual harassment have been reported during the year.

Social responsibility

Counteracting corruption

Nordic Brass Gusum has zero tolerance for corruption. To prevent corruption, we have procedures that govern how we act in procurement and purchasing, as well as the requirements we place on our suppliers. No cases of corruption have been reported during the year.

Integration

Nordic Brass Gusum previously participated in Valdemarsvik Municipality's project "Adoption for integration and employment". The project has now been completed and most of the people who came to us through the project now have permanent employment with us.

We welcome similar projects in the future.

Human rights

We require our suppliers that raw materials delivered to Nordic Brass Gusum must not contain tin, tantalum, tungsten or gold from conflict areas.

Social benefit

We sponsor local sporting events such as the Liedholms Cup in football, which is organized by Valdemarsviks IF. It attracts 40 youth teams from all over Europe.

We are happy to accept summer job students for internships both in the collective and on the white-collar side.

Nordic Brass Gusum follows Swedish legislation and does not accept child labor.

CSRD Directive

On January 1, 2024, the EU's new sustainability reporting requirements – CSRD – will apply to listed companies with over 500 employees. A year later, in 2025, it will apply to unlisted large companies and in 2026 to listed SMEs.

The directive means that companies and organizations will report according to European sustainability standards called European sustainability reporting standards (ESRS). The new standard will result in comparable, sufficient and qualitative information from companies on how they affect people, the environment and the climate. The reporting will increase transparency and comparability as companies will be required to provide more comprehensive disclosures and information related to sustainability than current reporting requires.

Nordic Brass Gusum is actively working on preparations to be able to report according to the European Sustainability Standards (ESRS).

Amendments CSRD - Omnibus

If the latest proposal from the European Commission becomes a reality, it could mean major changes in the area of sustainability. We are continuing to prepare for our first reporting year and adapting to what is decided in 2025.