HEALTH, SAFETY and ENVIRONMENT REPORT 2023

voestalpine Tubulars GmbH & Co KG

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www.voestalpine.com/tubulars

voestalpine
ONE STEP AHEAD.

voestalpine Tubulars GmbH & Co KG
Alpinestraße 17
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The current Health, Safety and Environment Report of the company voestalpine Tubulars GmbH & Co KG, with location in Kindberg, specifies the company's safety, environmental measures and statistics for the year 2023.

Management Policy

Our organization has committed itself to manufacturing high quality products and delivering services which meet or exceed customer requirements and satisfy applicable, internationally recognized standards and specifications*. We achieve customer satisfaction through integrity and by honoring our commitments, and thus support our customers in achieving their goals and objectives.
We ensure the future success and sustainability of our business through the efficient use of resources; goal-oriented, continuous improvement; protection of the environment; and compliance with all applicable laws – all, while ensuring the highest possible level of safety for our employees.

We successfully achieve these goals through four key areas: quality, safety, environment, energy conservation (efficiency), asset management and information security.

Quality means to us:

- Flawless products and services
- Customer satisfaction through customer orientation and fulfilment of customer requirements
- Flexibility and reliable delivery

Safety and health protection means to us:

- Technical: safe work places, working equipment and installations, appropriate protective equipment
- Organization: creation of awareness, ongoing safety programs and trainings
- Behavior: safe, and role model behavior at all levels
- Health promotion

Environment protection means to us:

- Conservation of resources
- Minimization of emissions and avoidance of impact on the environment
- Continual improvement of the environmental performance

Energy management means to us:

- Increase in energy efficiency – reduction of energy costs
- Use of renewable energy
- Recycling management and sustainability

Asset management means to us:

- Cost minimization of assets for the whole life cycle
- High availability of the asset portfolio
- Highly trained employees for the installation and maintenance of assets

Information security means to us:

- High availability and reliability of the total IT infrastructure
- Risk minimization through the proper use of state-of-the-art IT
- Appropriate qualification of the IT experts for the use of hardware and software components
- Warranty of confidentiality and integrity of data and information

We ensure the effectiveness of our Management System through excellent qualifications, a high level of personal responsibility, and the extraordinary commitment of all employees, as well as by making all necessary resources available.
The principles of the management systems apply to the entire Kindberg site of voestalpine Tubulars GmbH & Co KG as well as to all relevant processes along the supply chain of our products and for externally provided services.

* ISO 9001, API Specification Q1, ISO 14001, ISO 27001, ISO 45001, ISO 50001, ISO 55001

Accident Statistics 2023

Accident-Indices:

In the accident statistics, five key accident indicators are evaluated. The following key accident indicators relate to wage-earners only.

In the year 2023, 1,543,207 production hours were performed in the Kindberg plant.

The monthly average, of voestalpine Tubulars employed: 934 blue collar workers.

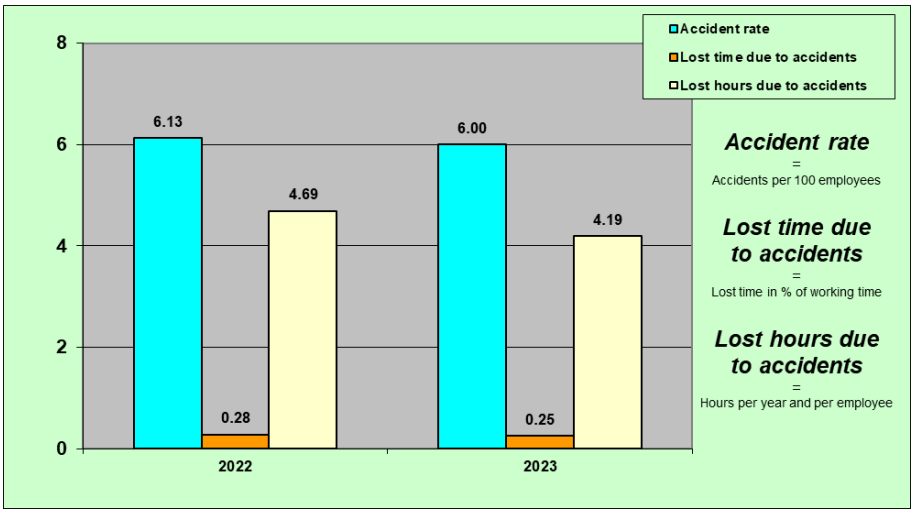
		2022	2023
Accident rate	Accidents per 100 employees	6.13	6.00
Frequency of accidents	Accidents per 1 million hours	36.31	36.29
Severity of accidents	Lost time per accident	76.43	69.80
Lost time due to accidents	Lost time in % of working time	0.28	0.25
Lost hours due to accidents	per year and per employee	4.69	4.19

Accident rate – Lost time due to accidents – Lost hours due to accidents:

The accident rate lies at 6.00 accidents per 100 employees in 2023.

The working hours lost due to accidents at work amounted to 0.25% of the total hours worked in 2023.

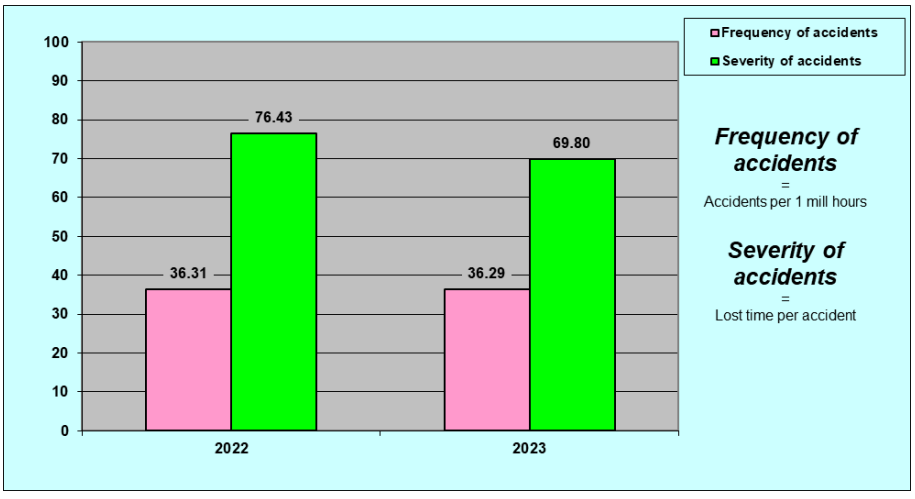
The working hours lost due to accidents at work were on average 4.19 hours per year and employee in 2023.



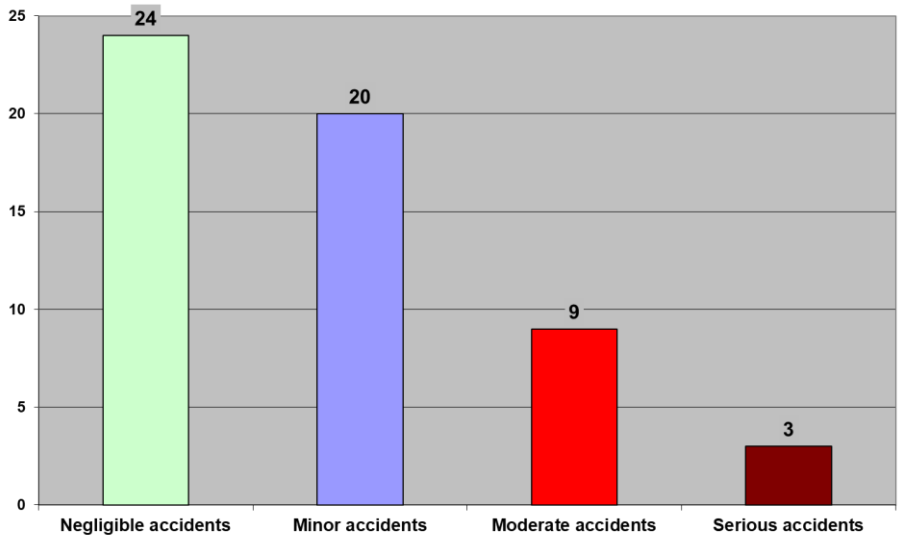
Frequency of accidents – Severity of accidents:

The frequency of accidents amounted to 36.29 accidents per 1 million working hours in 2023.

The average working time lost per accident (accident severity) amounted to 69.80 hours in 2023.



Industrial accidents 2023, according to the number of working days missed by injured employees:



Negligible accidents:
up to 3 days

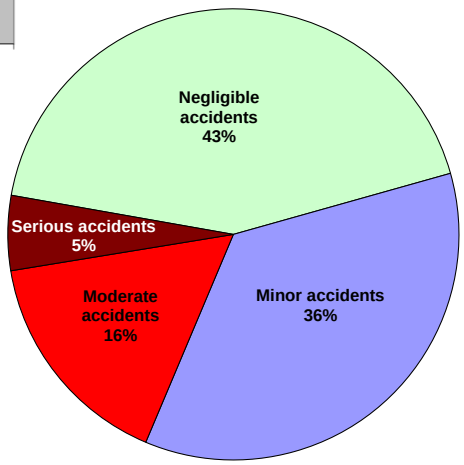
Minor accidents:
4 to 19 days

Moderate accidents:
20 to 45 days

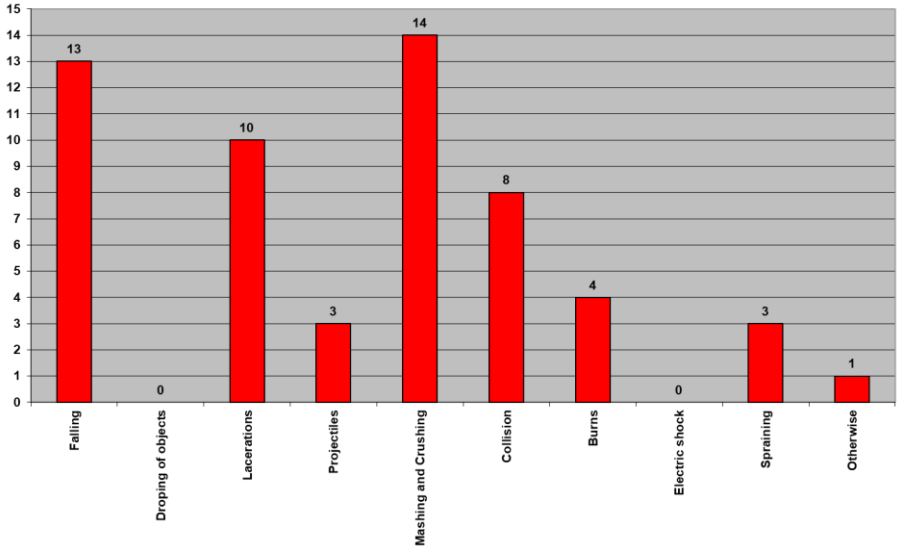
Serious accidents:
more than 45 days

In 2023, a total of 56 accidents at work were reported, of which 24 were negligible, 20 minor, 9 moderate and 3 were serious accidents.

Almost half of the accidents (43%) were 'negligible accidents' with a related sick leave duration of between 0 to 3 days.

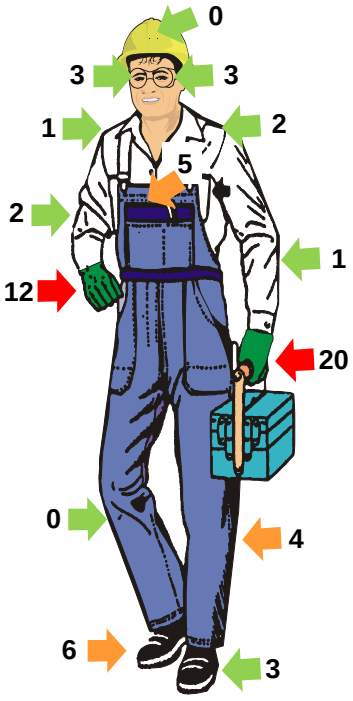


Causes of accidents and injuries classified under parts of the body 2023:



When analysing the causes of accidents, 14 of the reported accidents relate to persons injured by mashing or crushing and 13 accidents were caused by falling.

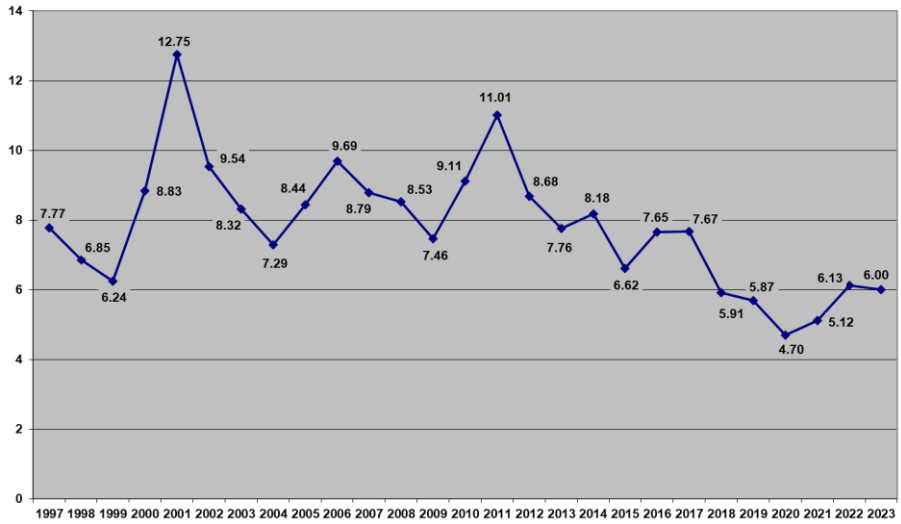
As regards injured parts of the body, the highest percentage concerned damage to hands (32 accidents), followed by 9 accidents resulting in injuries to the legs.



Trends of Accident Indices:

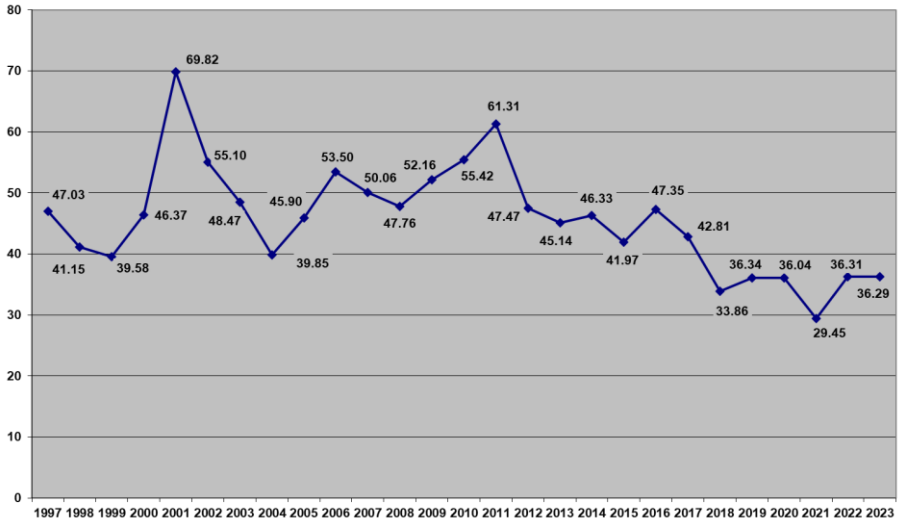
ACCIDENT RATE

Compared to 2022, the accident rate in 2023 decreased by 2.12%.



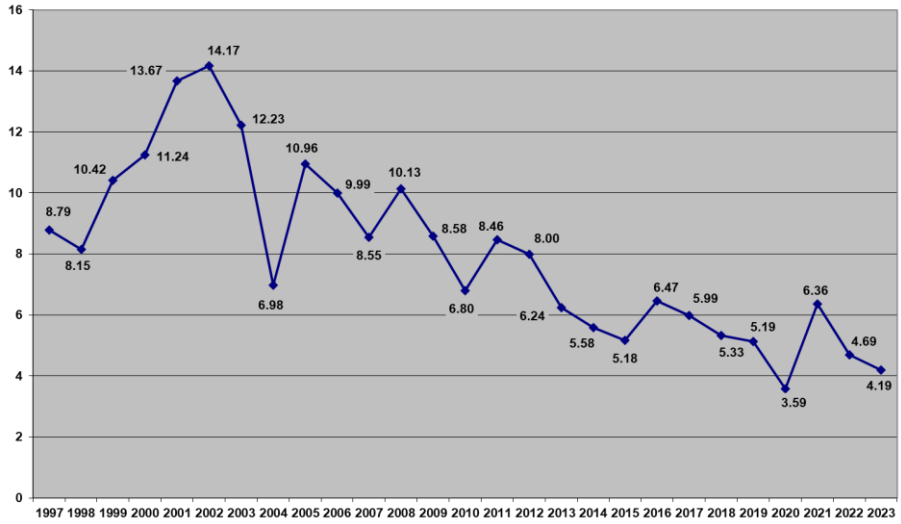
FREQUENCY OF ACCIDENTS

Compared to 2022, the frequency of accidents in 2023 decreased by 0.06%.



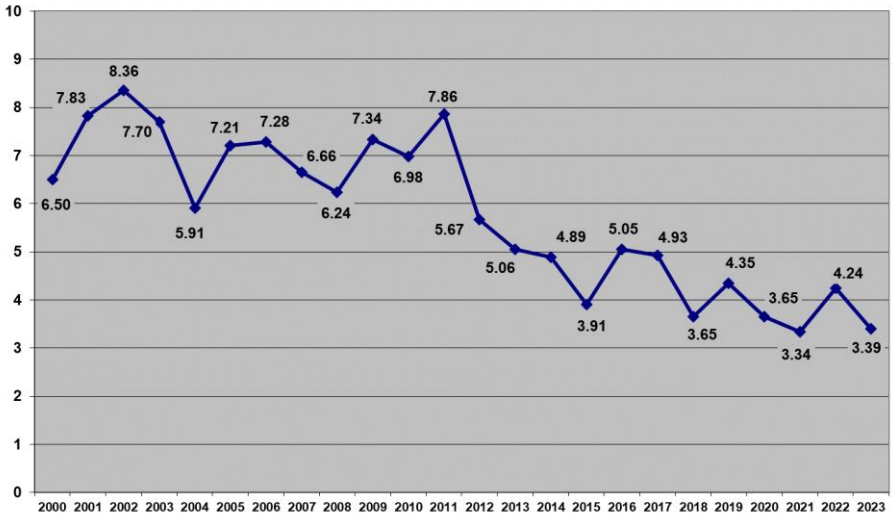
LOST TIME DUE TO ACCIDENTS

Compared to 2022, the lost time due to accidents in 2023 decreased by 10.66%.



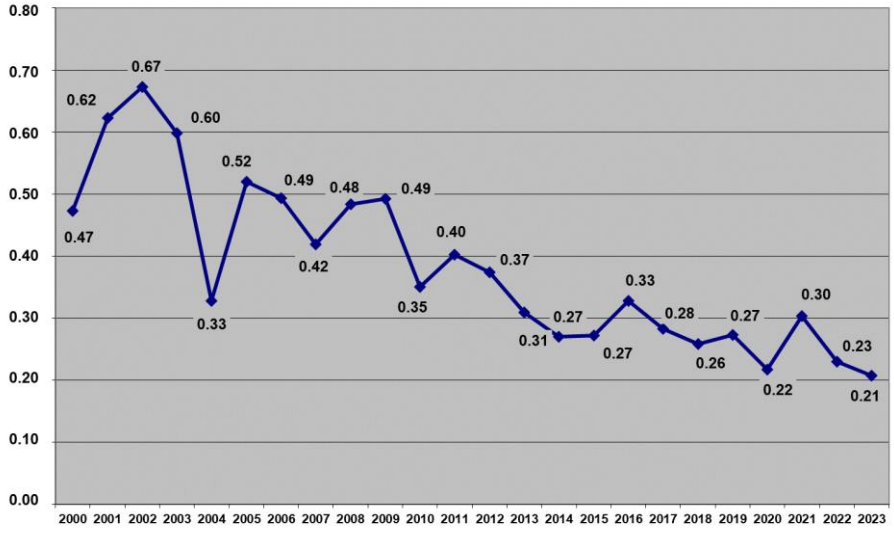
International Accident Indices:

TRIR and LTIF illustrated in international accident statistics.



TRIR
Total Recordable Incident Rate
⇩
Ratio of accidents with mandatory reporting

TRIR (2023) = 3.39



LTIF
Lost Time Injury Frequency
⇩
Ratio of total hours lost to accidents at work to hours worked

LTIF (2023) = 0.21%

Environmental Balance Sheet 2023

The following table shows a summary of all environmental facts of voestalpine Tubulars from the Input-Output-Analysis (Material and Energy Balance Sheet) for the year 2023.

MATERIAL and ENERGY BALANCE 2023

Input:

Circulating materials (input in t)	348,160.302
Raw materials (billets)	344,902.900
Product packaging	1,390.084
Couplings	1,011.288
Auxiliary/Operating supplies	856.030

Gas (input in m^3)	
Industrial gas / test gas	586,210.718

Water (input in m^3)	2,861,555
Drinking/washing water from well	23,439
Industrial and cooling water	2,838,116

Compressed air (input in m^3)	
	44,126,710

Energy procurement	
Electricity (MWh_{el})	65,034.192
Natural gas (m^3)	30,122,482.179
Gasoline (litres)	277.000
Diesel (litres)	161,533.000

Output:

Products and packaging (t)	311,091.085
Products (steel pipes)	308,689.711
Product packaging	1,390.084
Couplings	1,011.288

Waste, valuable substances, existing substances (t)	61,662.893
Existing substances	84.870
Valuable substances	50,986.353
Non-hazardous waste	1,111.415
Non-hazardous waste (extra projects)	7,691.000
Hazardous waste	1,789.255

Waste water (output in m^3)	2,452,772
Sanitary water (indirect feed)	20,741
Process waste water (indirect feed)	120
Process waste water	2,341,911

Waste air (emissions in t)	61,940.970
Gaseous emissions	61,911.464
Thereof CO_2:	61,892.782
Remainder (CO, NO_x, SO_2, C_{tot}, CH_4):	18.682
Dust	4.165
Solvent emissions	25.341

Energy consumption (MWh)	412,788.631
Energy conversion (electricity)	65,034.192
Heating (gas)	346,150.966
Operating energy (Gasoline)	2.358
Operating energy (Diesel)	1,601.115

Waste Heat for district heating (MWh)	1,272.300

Waste:

We distinguish the following waste types as: existing materials, non-hazardous waste, hazardous waste and valuable substances.

Waste type	Waste fractions	Total 2023 in t
Existing substances	Metal packaging, organic waste, cardboard packaging, light fraction packaging	84.870
Non-hazardous waste	Waste wood, construction waste, mineral waste, thermal mix, commercial waste, plastic waste, chamotte, abrasives, mineral waste	1,111.415
Non-hazardous waste (extra projets)	Construction waste, concrete waste, excavation waste	7,691.000
Hazardous waste	Emulsions, oil-water mixtures, waste oils, oil sludge, operating supplies contaminated with oil, electronic waste, phosphating sludge, paint and varnish residues	1,789.255
Valuable substances	Scrap, shavings, scale	50,986.353
	Total 2023:	*61,662.893*

All industrial waste is collected separately, stored in accordance with existing regulations and handed over to duly authorized waste disposal or recycling companies!

Wastewater:

After going through various stages of treatment, the process wastewater goes directly into the river Mürz. There are four different wastewater flows:

Wastewater flow	Volume 2023 in m^3	Ø Volume in m^3 per hour
Seamless pipe plant	1,277,448	145.83
CT plant	1,126,573	128.60
Upsetting installation	5,760	0.66
Phosphatizing installation	1,168	0.13
Heat Treatment Line 2	20,962	2.39
Total wastewater 2023:	*2,431,911*	

Wastewater treatment technologies used;

- Seamless pipe plant: sedimentation and cooling
- CT plant: gravel filter and cooling
- Upsetting installation: pressure-release flotation
- Phosphating installation: neutralization plant
- Heat Treatment Line 2: Sand filter und cooling

Wastewater load 2023	*kg pro Jahr*
Filterable substances	9,158.09
COD	26,936.42
Hydrocarbons	890.74
Phosphorous	282.93
Iron	148.63
Ammonium	0.29
Aluminium	2.71
Nickel	0.33
Nitrite	0.92
Manganese	0.67
Chrome	0.02

Emissions:

The majority of the emissions are caused by the combustion of natural gas used in thermal processes, and a small percentage by use of diesel vehicles.

Material	Required quantity 2023	Gaseous emissionen in t
Natural gas	30,122,482 m^3	61,481.793
Diesel fuel	161,533 litres	429.671
	Total 2023:	*61,911.464*

The use of paint containing solvents and pure solvents resulted in solvent emissions to the amount of 25.341 tons in 2023.

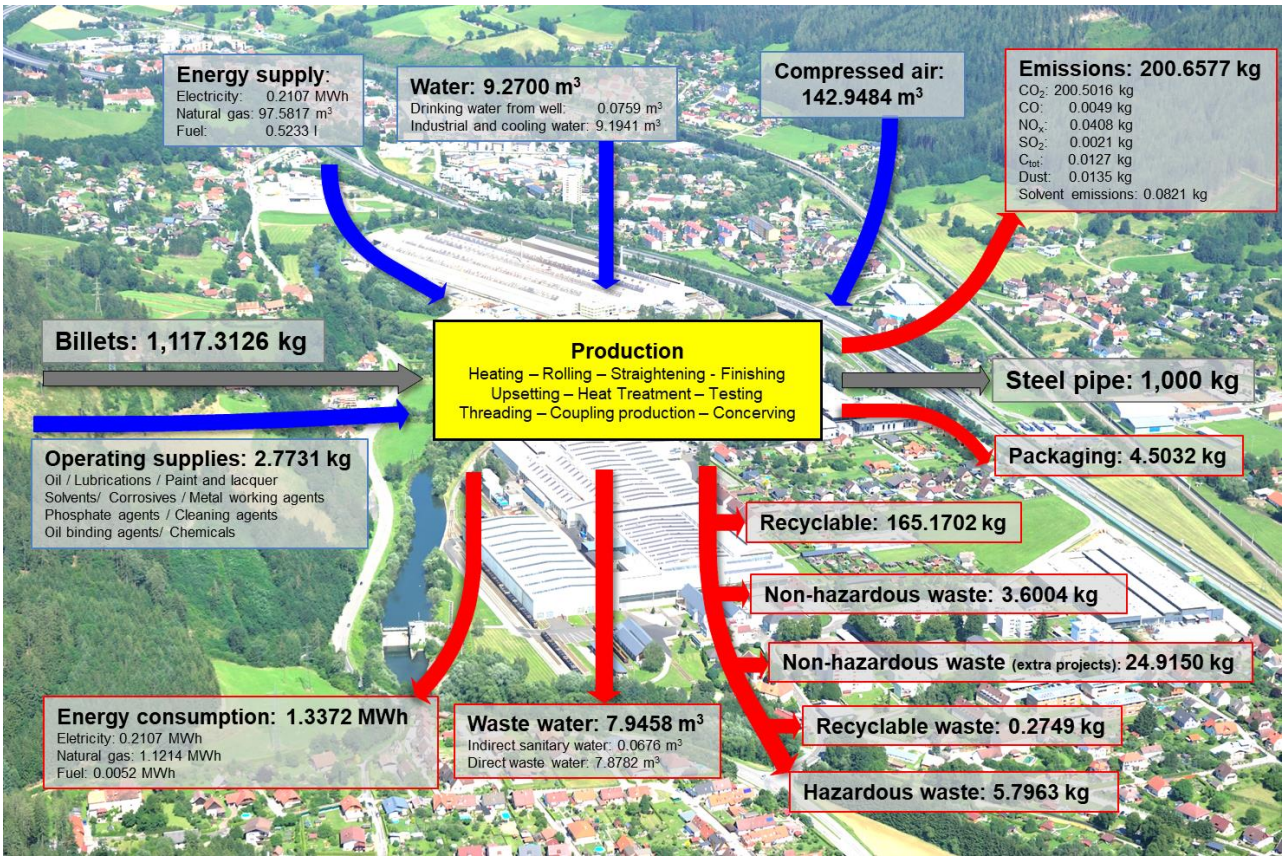
Of 61,911.464 tons of gaseous emissions, the major part (i.e. 99.97%) comprises 61,892.782 tons of CO_2-emissions.

Energy:

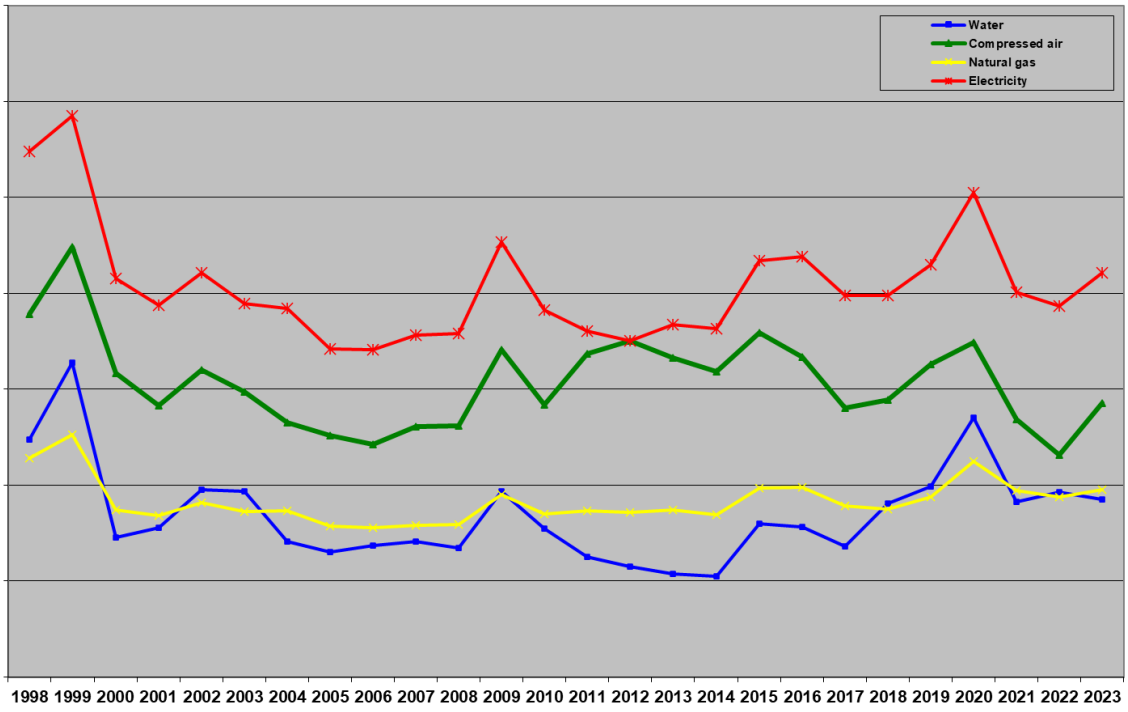
Energy consumption consists of the use of natural gas, electric energy and fuel.

Energy supply	Required quantity 2023	Energy consumption in MWh
Electricity	65,037.192 MWh_{el}	65,037.192
Natural gas	30,122,482.179 m^3	346,150.966
Gasoline	277.000 litres	2.358
Diesel	161,553.000 litres	1,601.115
	Total 2023:	*412,788.631*

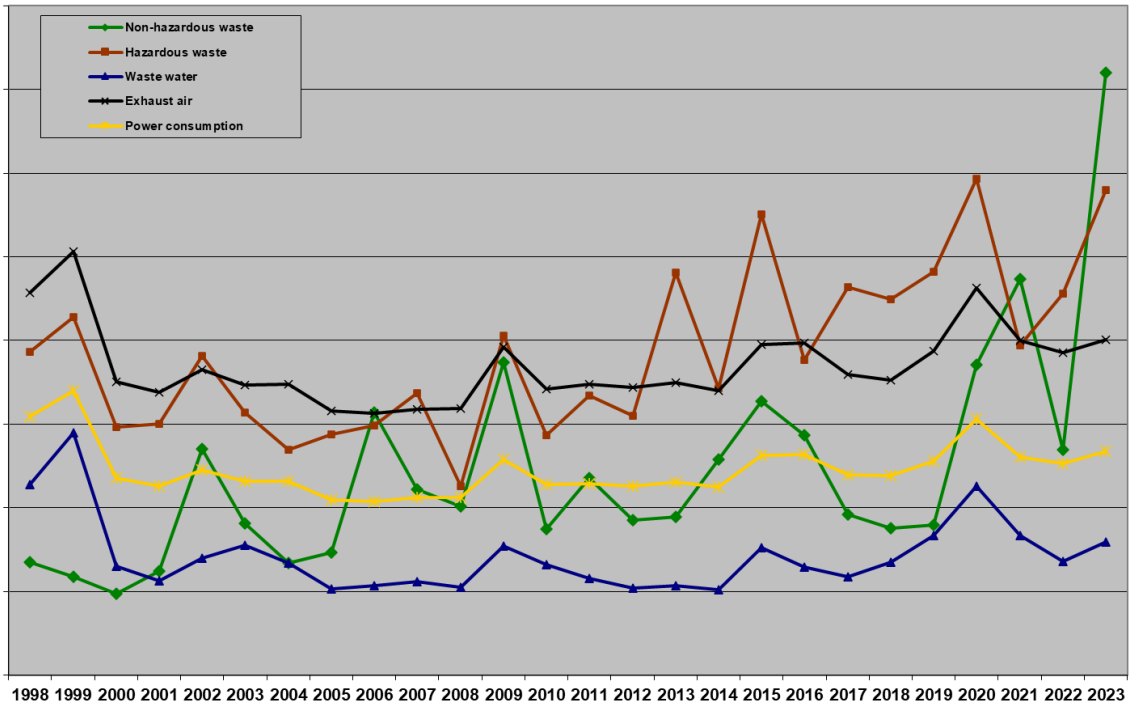
Material and Energy Balance of the production of 1 ton of steel pipe (2023):



Trends of Input Indices from 1998 to 2023:



Trends of Output Indices from 1998 to 2023:



The specific input and output values relate to the corresponding absolute values in proportion to the volume of production.

Imprint

Content, design and layout:
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