

HEALTH, SAFETY and ENVIRONMENT REPORT 2022

voestalpine Tubulars GmbH & Co KG

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Alpinestraße 17
8652 Kindberg-Aumühl

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 2022.

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.

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

Accident Statistics 2022

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 2022, 1,487,179 production hours were performed in the Kindberg plant.

The monthly average, of voestalpine Tubulars employed: 881 blue collar workers.

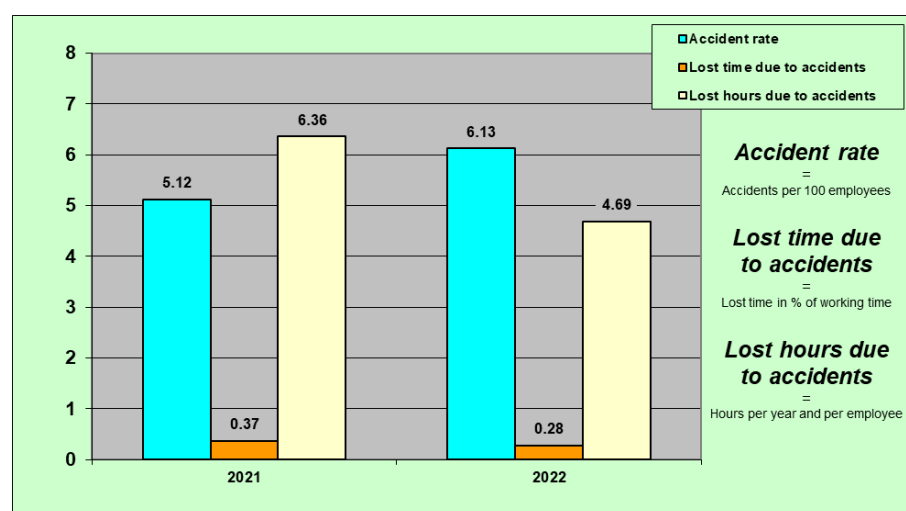
		2021	2022
Accident rate	Accidents per 100 employees	5.12	6.13
Frequency of accidents	Accidents per 1 million hours	29.45	36.31
Severity of accidents	Lost time per accident	124.14	76.43
Lost time due to accidents	Lost time in % of working time	0.37	0.28
Lost hours due to accidents	per year and per employee	6.36	4.69

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

The accident rate lies at 6.13 accidents per 100 employees in 2022.

The working hours lost due to accidents at work amounted to 0.28% of the total hours worked in 2022.

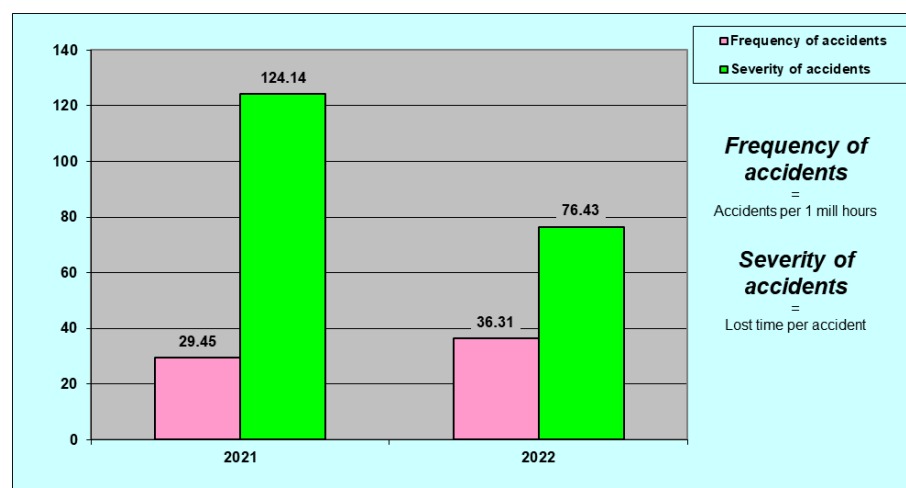
The working hours lost due to accidents at work were on average 4.69 hours per year and employee in 2022.



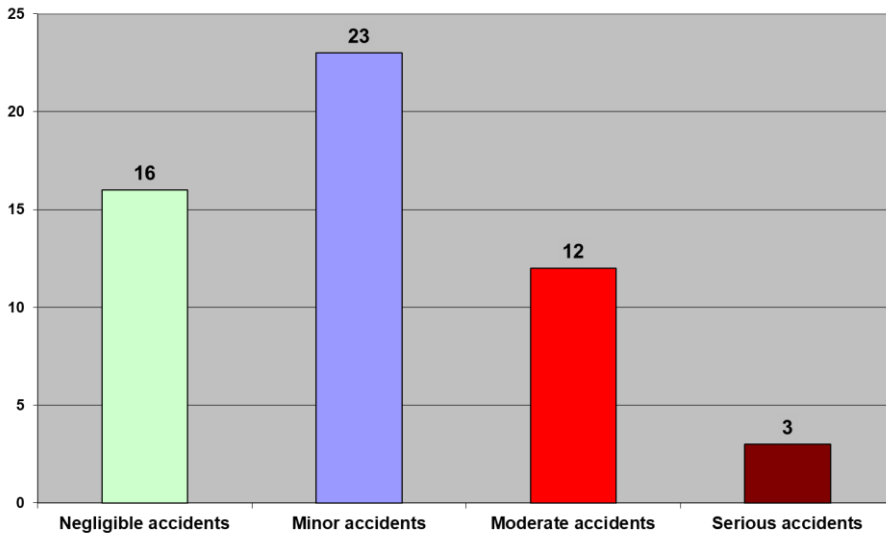
Frequency of accidents – Severity of accidents:

The frequency of accidents amounted to 36.31 accidents per 1 million working hours in 2022.

The average working time lost per accident (accident severity) amounted to 76.43 hours in 2022.



Industrial accidents 2022, according to the number of working days missed by injured employees:



Negligible accidents:
up to 3 days

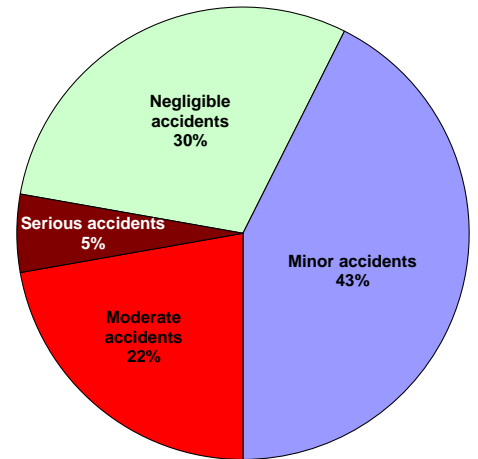
Minor accidents:
4 to 19 days

Moderate accidents:
20 to 45 days

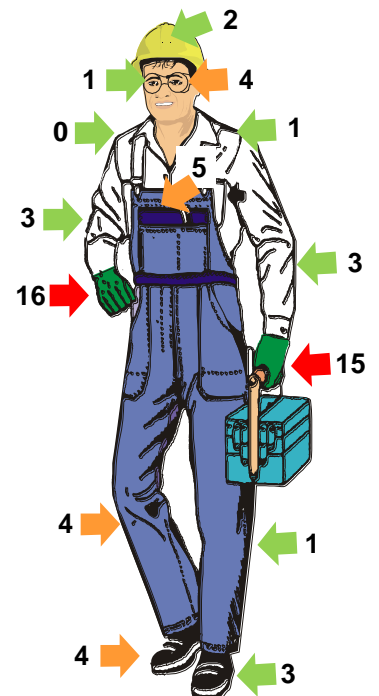
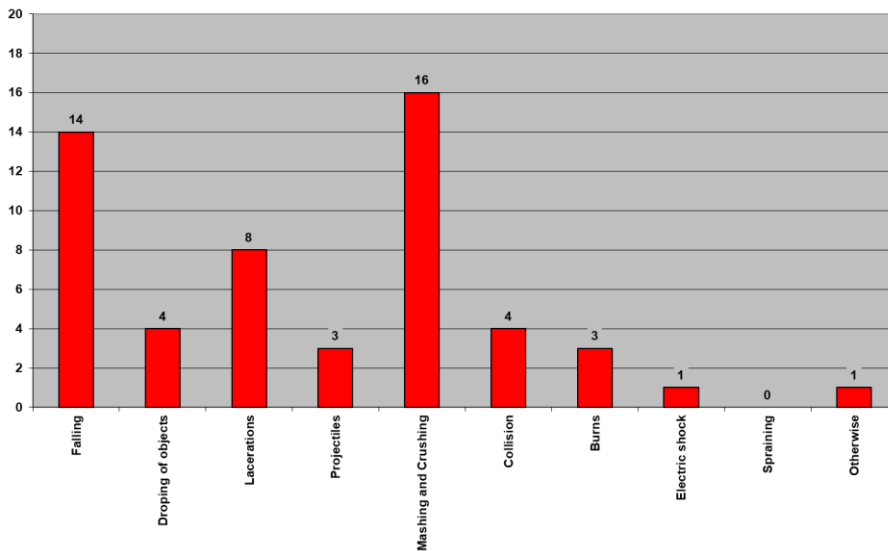
Serious accidents:
more than 45 days

In 2022, a total of 54 accidents at work were reported, of which 16 were negligible, 23 minor, 12 moderate and 3 were serious accidents.

Almost half of the accidents (43%) were 'minor accidents' with a related sick leave duration of between 4 to 19 days.



Causes of accidents and injuries classified under parts of the body 2022:



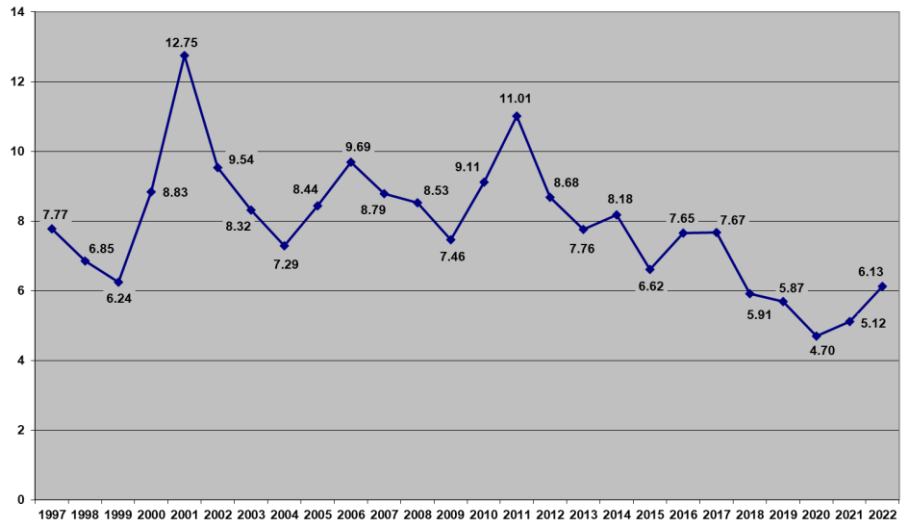
When analysing the causes of accidents, 16 of the reported accidents relate to persons injured by mashing or crushing and 14 accidents were caused by falling.

As regards injured parts of the body, the highest percentage concerned damage to hands (31 accidents), followed by 7 accidents resulting in injuries to the legs.

Trends of Accident Indices:

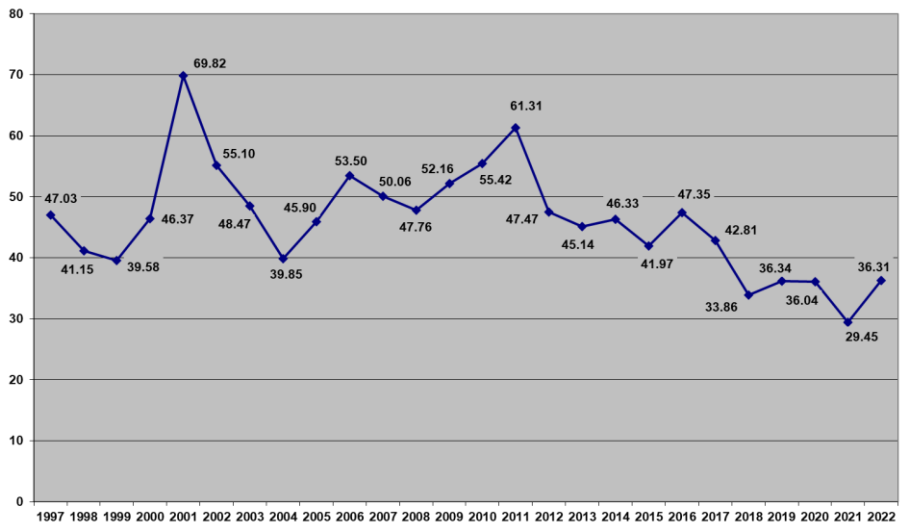
ACCIDENT RATE

Compared to 2021, the accident rate in 2022 increased by 19.73%.



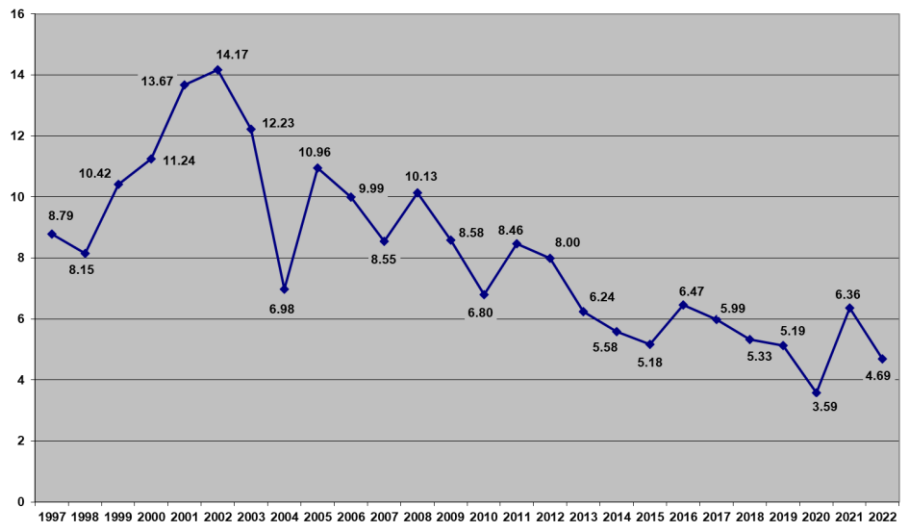
FREQUENCY OF ACCIDENTS

Compared to 2021, the frequency of accidents in 2022 increased by 23.29%.



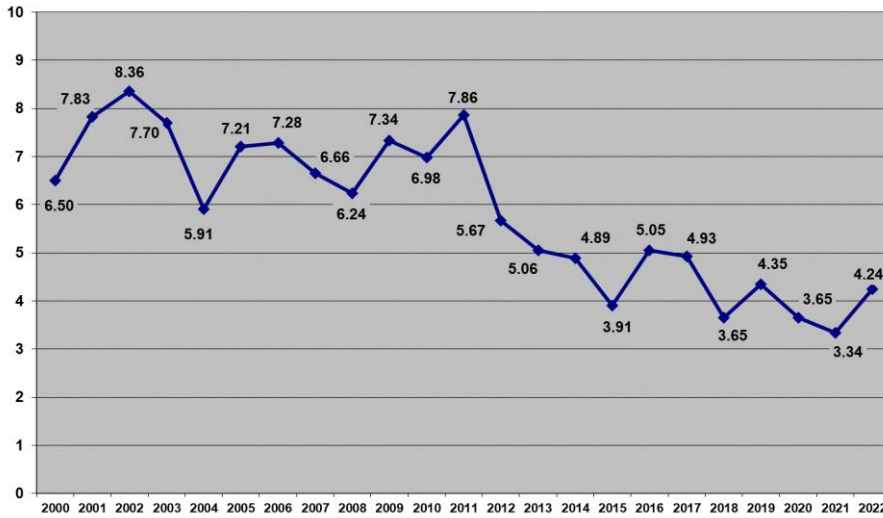
LOST TIME DUE TO ACCIDENTS

Compared to 2021, the lost time due to accidents in 2022 decreased by 26.26%.



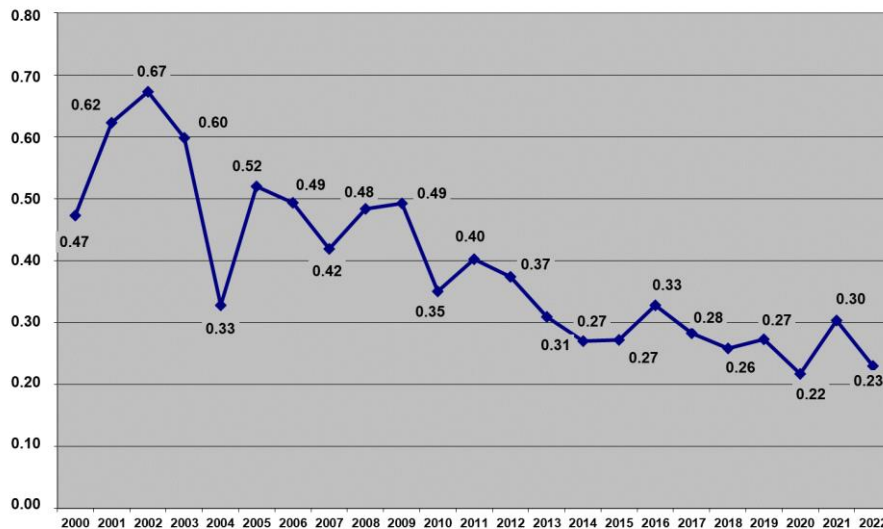
International Accident Indices:

TRIR and LTIF illustrated in international accident statistics.



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

TRIR (2022) = 4.24



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

LTIF (2022) = 0.23%



Environmental Balance Sheet 2022

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 2022.

MATERIAL and ENERGY BALANCE 2022			
Input:		Output:	
Circulating materials (input in t) 390,608.308		Products and packaging (t) 351,548.735	
Raw materials (billets)	388,774.000	Products (steel pipes)	350,565.500
Auxiliary/Operating supplies	851.073	Product packaging	983.235
		Waste, valuable substances, existing substances (t) 56,966.975	
Packaging for products	983.235	Existing substances	94.020
		Valuable substances	54,586.988
Gas (input in m ³)		Non-hazardous waste	378.714
Industrial gas / test gas	1,013,311.198	Non-hazardous waste (extra projects)	306.910
		Hazardous waste	1,600.343
Water (input in m ³) 3,378,734		Waste water (output in m ³) 2,378,909	
Drinking/washing water from well	23,221	Sanitary water (indirect feed)	20,548
Industrial and cooling water	3,355,513	Process waste water (indirect feed)	127
		Process waste water	2,358,234
Compressed air (input in m ³)		Waste air (emissions in t) 67,634.337	
	40,560,880	Gaseous emissions	67,606.732
		Thereof CO ₂ :	67,586.712
		Remainder (CO, NO _x , SO ₂ , C _{tot} , CH ₄):	20.020
		Dust	4.193
		Solvent emissions	23.412
Energy procurement		Energy consumption (MWh _{el}) 444,055.725	
Electricity (MWh _{el})	67,775.959	Energy conversion (electricity)	67,775.959
Natural gas (m ³)	32,928,251.825	Heating (gas)	374,794.246
Gasoline (litres)	199.400	Operating energy (Gasoline)	1.697
Diesel (litres)	149,699.640	Operating energy (Diesel)	1,483.823

Waste:

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

Waste type	Waste fractions	Total 2022 in t
<i>Existing substances</i>	Metal packaging, organic waste, cardboard packaging, light fraction packaging	94.020
<i>Non-hazardous waste</i>	Waste wood, construction waste, mineral waste, thermal mix, commercial waste, plastic waste, chamotte, abrasives, etc.	378.714
<i>Non-hazardous waste (extra projets)</i>	Construction waste, concrete waste, excavation waste	306.910
<i>Hazardous waste</i>	Emulsions, oil-water mixtures, waste oils, oil sludge, operating supplies contaminated with oil, electronic waste, phosphating sludge, paint and varnish residues, mineral waste	1,600.343
<i>Valuable substances</i>	Scrap, shavings, scale	54,586.988
Total 2022:		56,966.975



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 2022 in m ³	Ø Volume in m ³ per hour
<i>Seamless pipe plant</i>	1,399,905	159.81
<i>CT plant</i>	946,488	108.05
<i>Upsetting installation</i>	3,203	0.37
<i>Phosphatizing installation</i>	7,212	0.82
<i>Heat Treatment Line 2</i>	1,426	0.16
Total wastewater 2022:	2,358,234	



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 2022	kg pro Jahr
Filterable substances	15,819.56
COD	36,794.81
Hydrocarbons	594.15
Phosphorous	484.19
Iron	158.01
Ammonium	0.22
Aluminium	0.93
Nickel	1.80
Nitrite	5.70
Manganese	2.09
Chrome	0.00

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.



Of 67,606.732 tons of gaseous emissions, the major part (i.e. 99.97%) comprises 67,586.712 tons of CO₂-emissions.

Material	Required quantity 2022	Gaseous emissionen in t
Natural gas	32,928,252 m ³	67,208.538
Diesel fuel	149,700 litres	398.195
Total 2022:		67,606.732

The use of paint containing solvents and pure solvents resulted in solvent emissions to the amount of 23.412 tons in 2022.

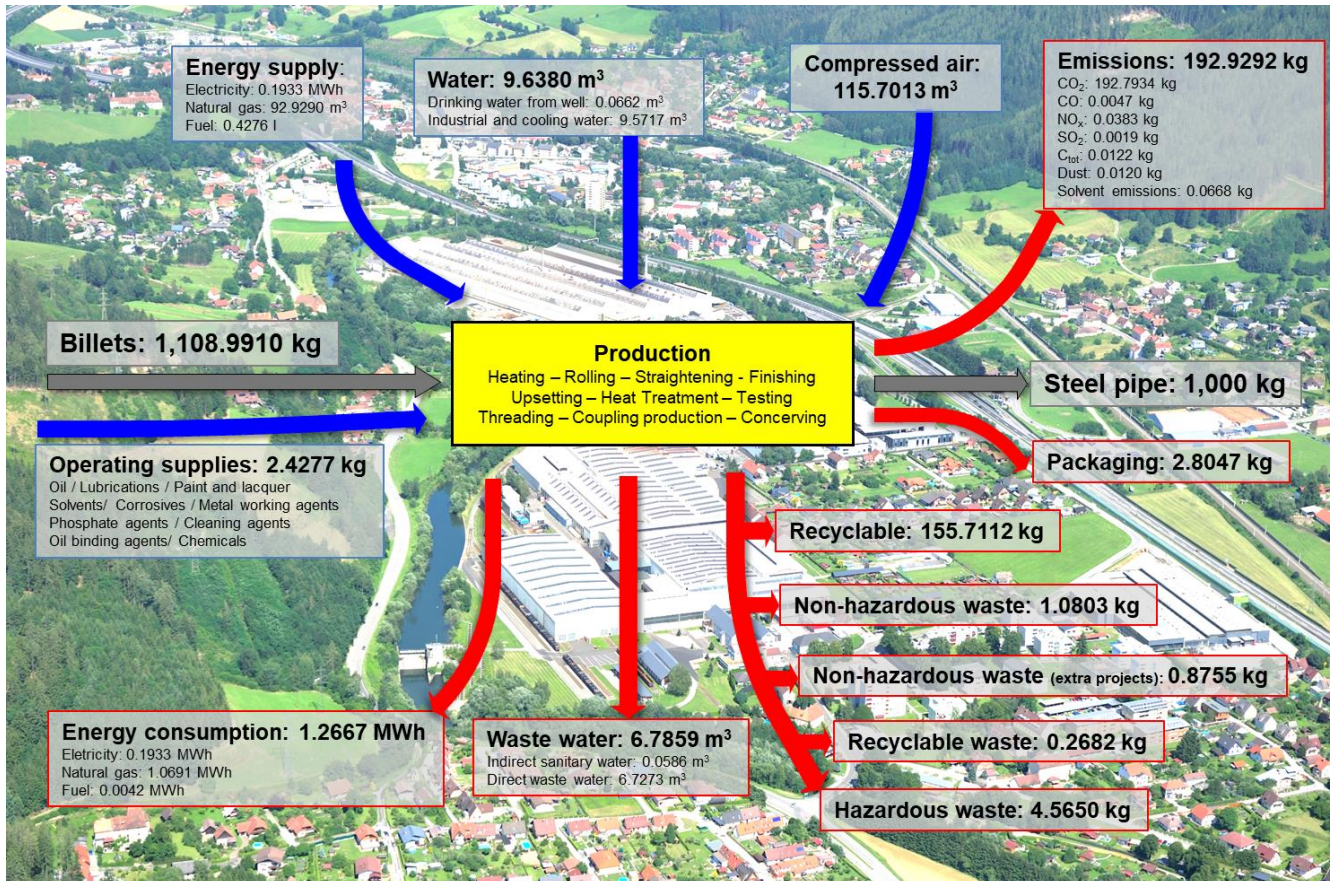
Energy:

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

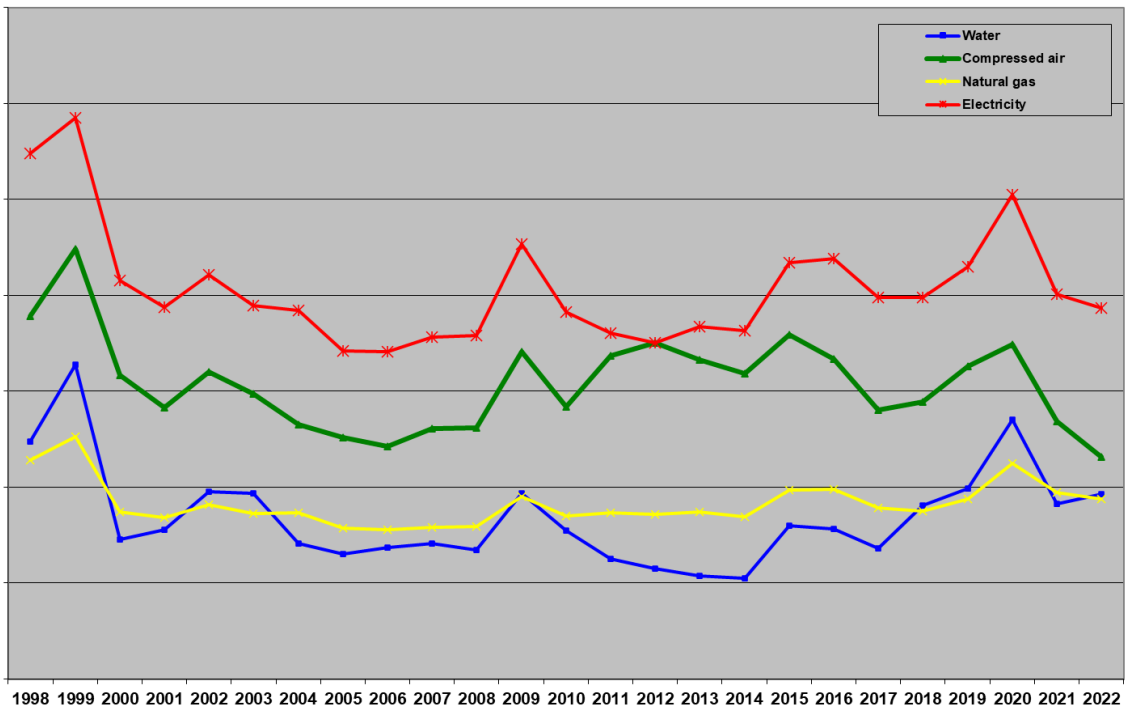


Energy supply	Required quantity 2022	Energy consumption in MWh
Electricity	67,775.959 MWh _{el}	67,775.959
Natural gas	32,928,251.825 m ³	374,794.246
Gasoline	199.400 litres	1.697
Diesel	149,699.640 litres	1,483.823
Total 2022:		444,055.725

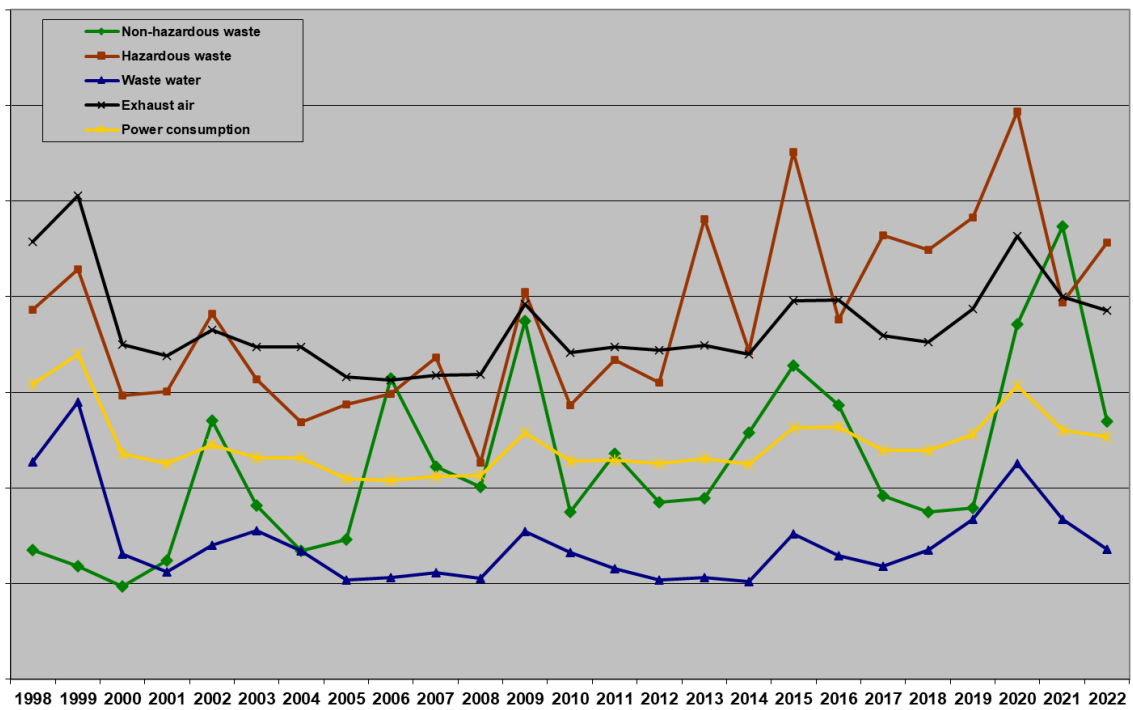
Material and Energy Balance of the production of 1 ton of steel pipe (2022):



Trends of Input Indices from 1998 to 2022:



Trends of Output Indices from 1998 to 2022:



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

Imprint

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