

HEALTH, SAFETY and ENVIRONMENT REPORT 2020

voestalpine Tubulars GmbH & Co KG

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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 2020.

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) and asset management.

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

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 45001, ISO 50001, ISO 55001

Accident Statistics 2020

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 2020, 1,082,039 production hours were performed in the Kindberg plant.

The monthly average, of voestalpine Tubulars employed: 829 blue collar workers.

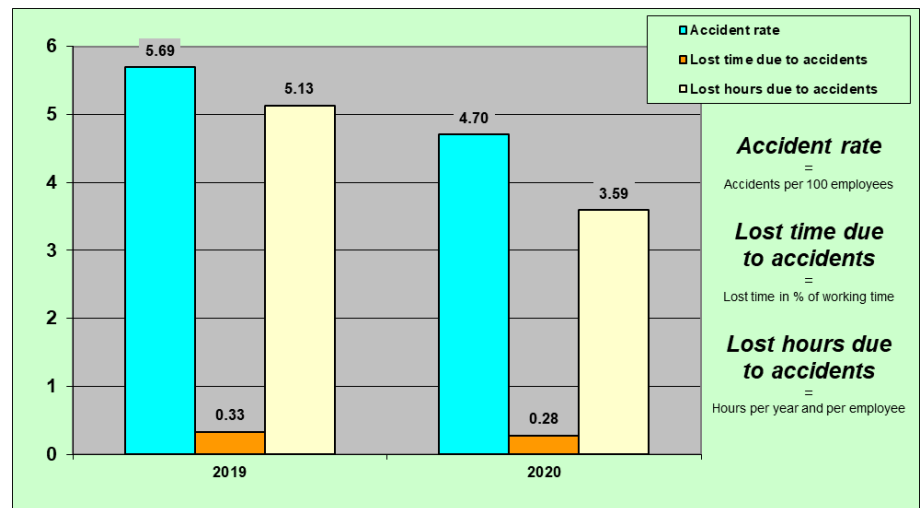
		2019	2020
Accident rate	Accidents per 100 employees	5.69	4.70
Frequency of accidents	Accidents per 1 million hours	36.13	36.04
Severity of accidents	Lost time per accident	90.18	76.41
Lost time due to accidents	Lost time in % of working time	0.33	0.28
Lost hours due to accidents	per year and per employee	5.13	3.59

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

The accident rate lies at 4.70 accidents per 100 employees in 2020.

The working hours lost due to accidents at work amounted to 0.28% of the total hours worked in 2020.

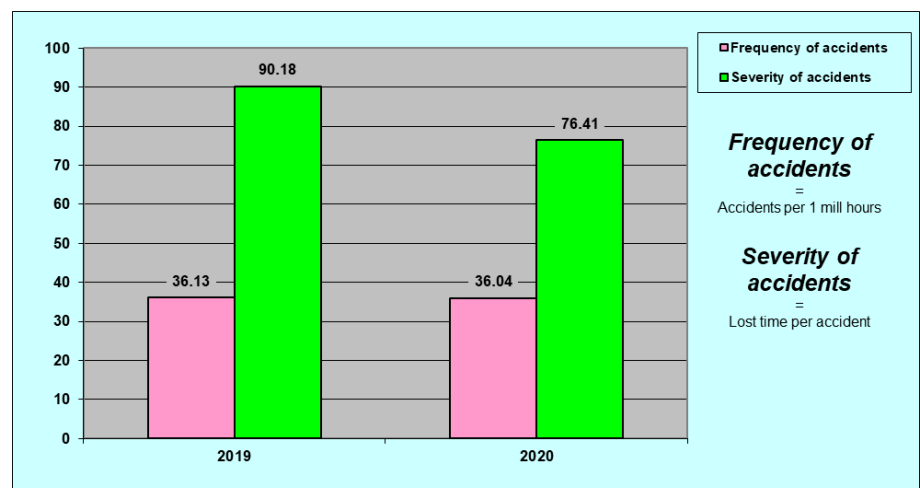
The working hours lost due to accidents at work were on average 3.59 hours per year and employee in 2020.



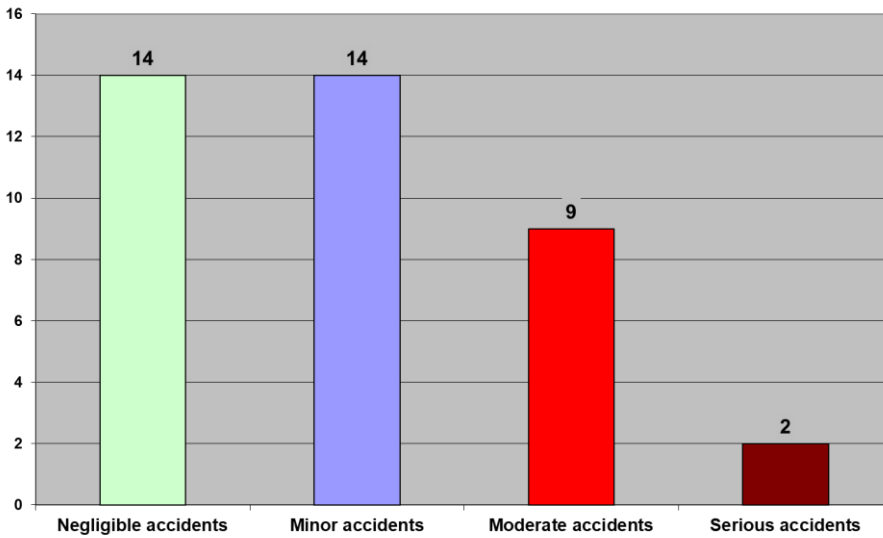
Frequency of accidents – Severity of accidents:

The frequency of accidents amounted to 36.04 accidents per 1 million working hours in 2020.

The average working time lost per accident (accident severity) amounted to 76.41 hours in 2020.



Industrial accidents 2020, according to the number of working days missed by injured employees:



*Negligible accidents:
up to 3 days*

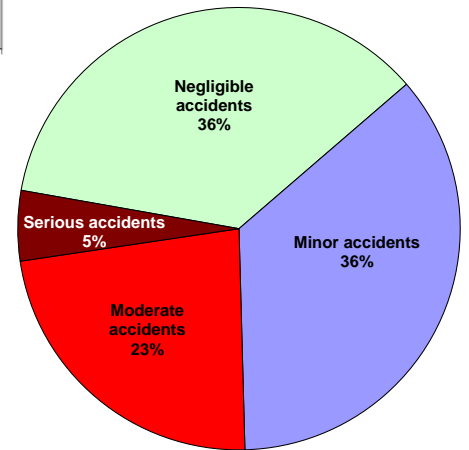
*Minor accidents:
4 to 19 days*

*Moderate accidents:
20 to 45 days*

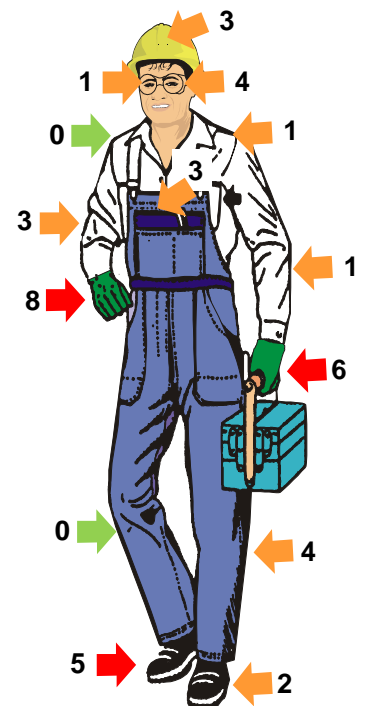
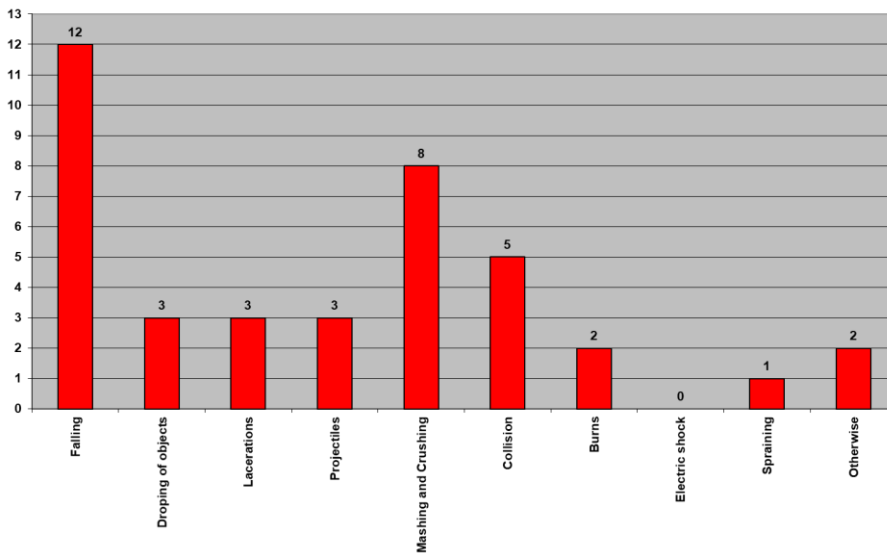
*Serious accidents:
more than 45 days*

In 2020, a total of 39 accidents at work were reported, of which 14 were negligible, 14 minor, 9 moderate and 2 were serious accidents.

More than one-third of the accidents (36%) 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 2020:



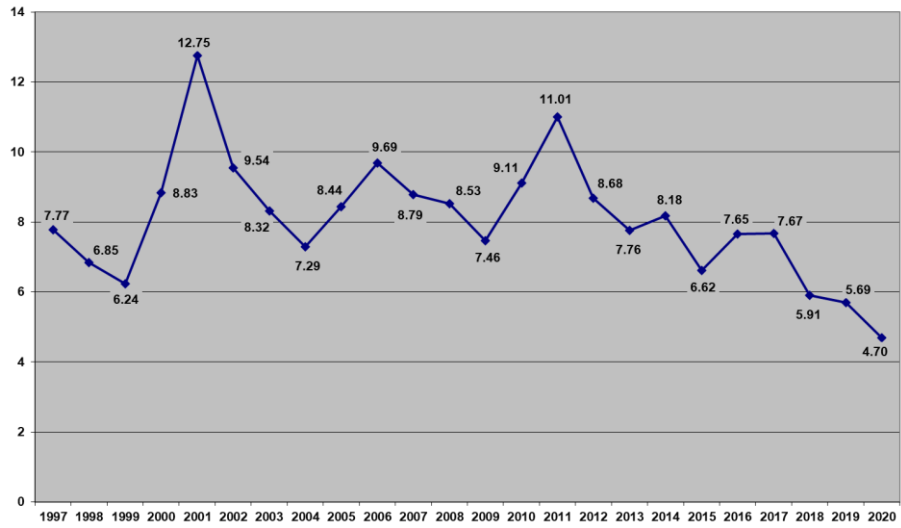
When analysing the causes of accidents, 12 of the reported accidents were caused by falling and 10 accidents relate to persons injured by mashing or crushing.

As regards injured parts of the body, the highest percentage concerned damage to hands (14 accidents), followed by 7 accidents resulting in injuries to the legs.

Trends of Accident Indices:

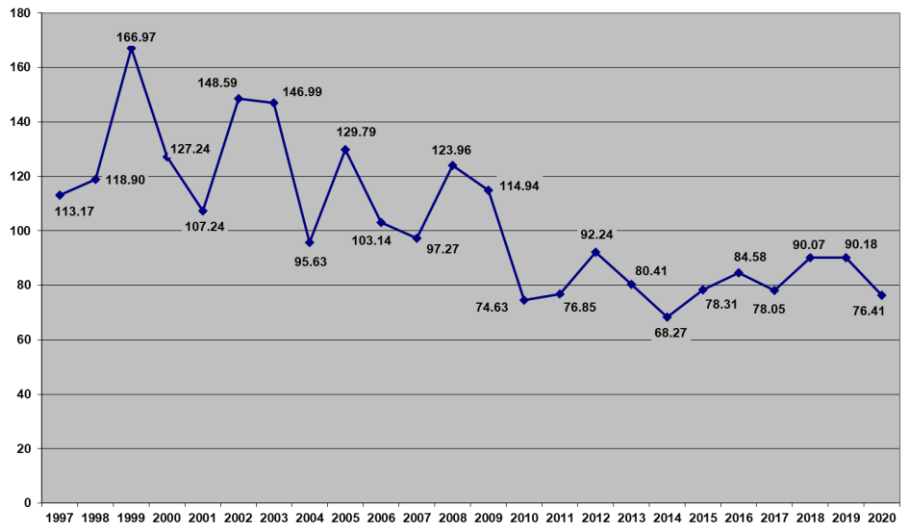
ACCIDENT RATE

Compared to 2019, the accident rate in 2020 decreased by 17.40%.



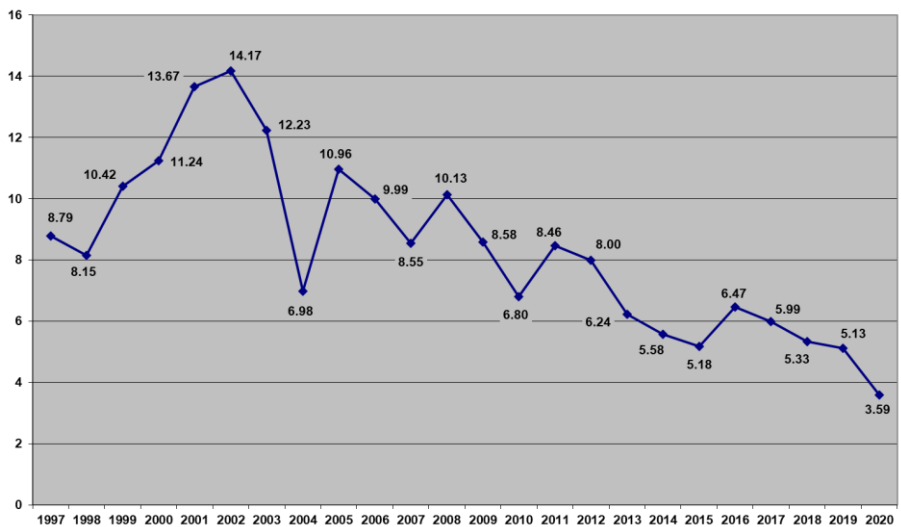
SEVERITY OF ACCIDENTS

Compared to 2019, the severity of accidents in 2020 decreased by 15.27%.



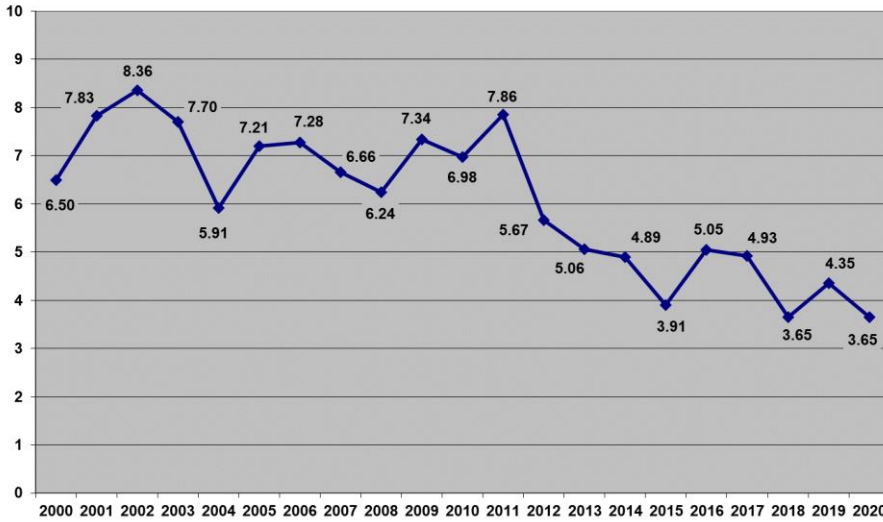
LOST TIME DUE TO ACCIDENTS

Compared to 2019, the lost time due to accidents in 2020 decreased by 30.02%.



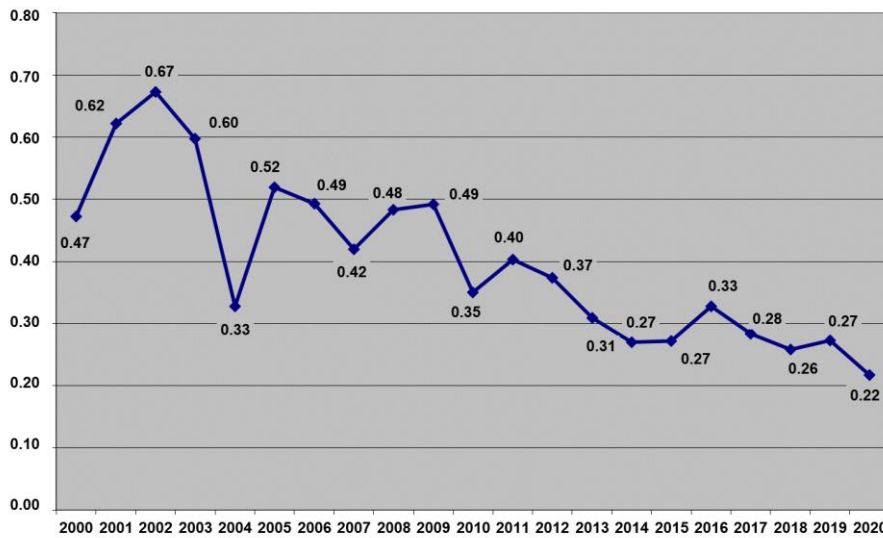
International Accident Indices:

TRIR and LTIF illustrated in international accident statistics.



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

TRIR (2020) = 3.65



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

LTIF (2020) = 0.22%



Environmental Balance Sheet 2020

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 2020.

MATERIAL and ENERGY BALANCE 2020			
Input:		Output:	
Circulating materials (input in t) 208,949.773		Products and packaging (t) 186,121.843	
Raw materials (billets)	207,814.000	Products (steel pipes)	185,475.880
Auxiliary/Operating supplies	489.810	Product packaging	645.963
		Waste, valuable substances, existing substances (t) 39,931.543	
Packaging for products	645.963	Existing substances	65.280
		Valuable substances	32,426.774
Gas (input in m ³)		Non-hazardous waste	344.350
Industrial gas / test gas	744,883.005	Non-hazardous waste (extra projects)	5,994.120
		Hazardous waste	1,101.010
Water (input in m ³) 2,508,012		Waste water (output in m ³) 2,091,500	
Drinking/washing water from well	21,381	Sanitary water (indirect feed)	18,920
Industrial and cooling water	2,486,631	Process waste water (indirect feed)	115
		Process waste water	2,072,465
Compressed air (input in m ³)		Waste air (emissions in t) 42,961.798	
Compressed air	32,353,196	Gaseous emissions	42,943.530
		Thereof CO ₂ :	42,930.944
		Remainder (CO, NO _x , SO ₂ , C _{tot} , CH ₄):	12.586
		Dust	4.072
		Solvent emissions	14.196
Energy procurement		Energy consumption (MWh _{el}) 284,125.554	
Electricity (MWh _{el})	46,813.276	Energy conversion (electricity)	46,813.276
Natural gas (m ³)	20,868,215.475	Heating (gas)	236,436.881
Gasoline (litres)	305.000	Operating energy (Gasoline)	2.596
Diesel (litres)	88,055.000	Operating energy (Diesel)	872.801

Waste:

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

Waste type	Waste fractions	Total 2020 in t
<i>Existing substances</i>	Glass, metal packaging, organic waste, cardboard packaging, light fraction packaging	65.280
<i>Non-hazardous waste</i>	Waste wood, construction waste, mineral waste, thermal mix, commercial waste, plastic waste, abrasives, etc.	344.350
<i>Non-hazardous waste (extra projets)</i>	Construction waste, concrete waste, excavation waste	5,994.120
<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	1,101.010
<i>Valuable substances</i>	Scrap, shavings, scale	32,426.774
Total 2020:		39,931.534



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 2020 in m ³	Ø Volume in m ³ per hour
<i>Seamless pipe plant</i>	1,124,254	128.34
<i>CT plant</i>	931,707	106.36
<i>Upsetting installation</i>	2,576	0.29
<i>Phosphatizing installation</i>	7,607	0.87
<i>Heat Treatment Line 2</i>	6,321	0.72
Total wastewater 2020:	2,072,465	



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 2020	kg pro Jahr
Filterable substances	11,284.00
COD	31,085.71
Hydrocarbons	398.09
Phosphorous	300.45
Iron	109.42
Ammonium	0.18
Aluminium	0.72
Nickel	2.36
Nitrite	6.16
Manganese	2.81
Chrome	0.11

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 2020	Gaseous emissionen in t
Natural gas	20,868,215 m ³	42,709.307
Diesel fuel	88,055 litres	234.223
Total 2020:		42,943.530

Of 42,943.530 tons of gaseous emissions, the major part (i.e. 99.97%) comprises 42,930.944 tons of CO₂-emissions.

The use of paint containing solvents and pure solvents resulted in solvent emissions to the amount of 14.196 tons in 2020.

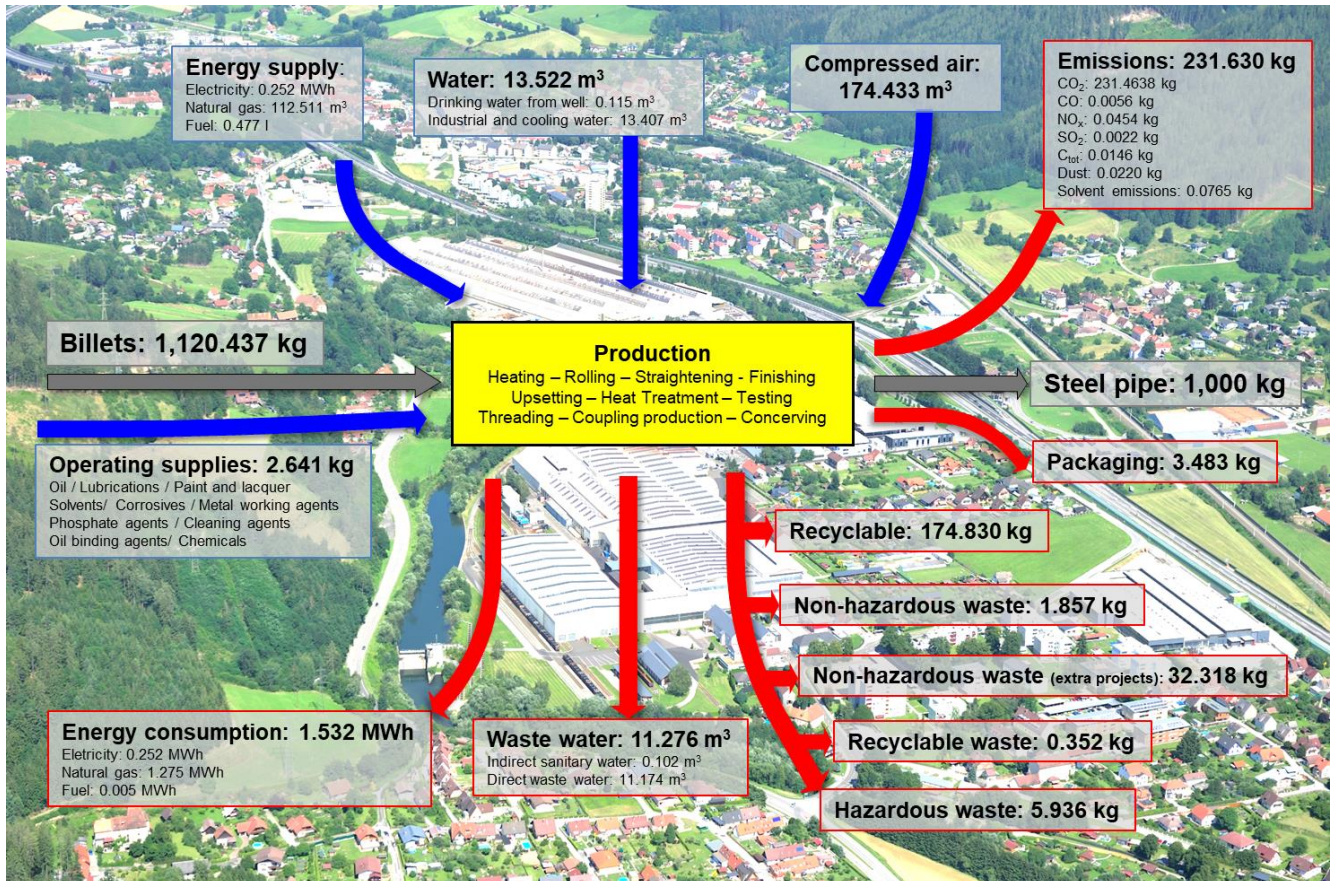
Energy:

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

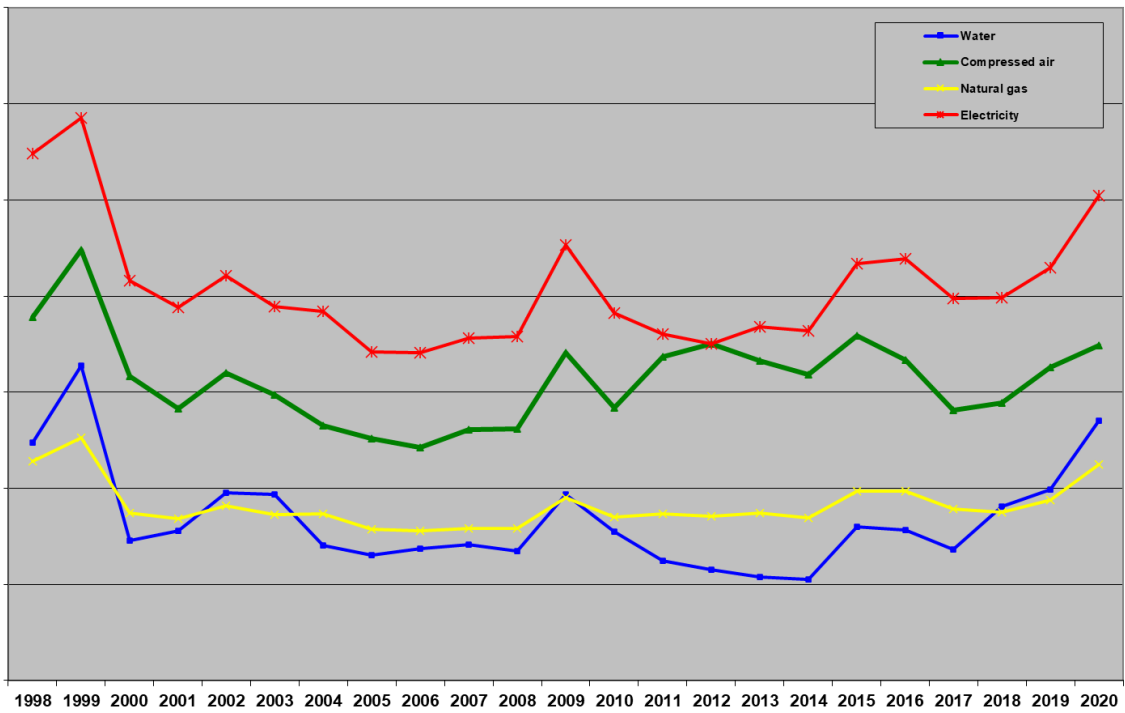


Energy supply	Required quantity 2020	Energy consumption in MWh
Electricity	46,813.276 MWh _{el}	46,813.276
Natural gas	20,868,215.472 m ³	236,436.881
Gasoline	305.00 litres	2.596
Diesel	88,055.00 litres	872.801
Total 2020:		284,125.554

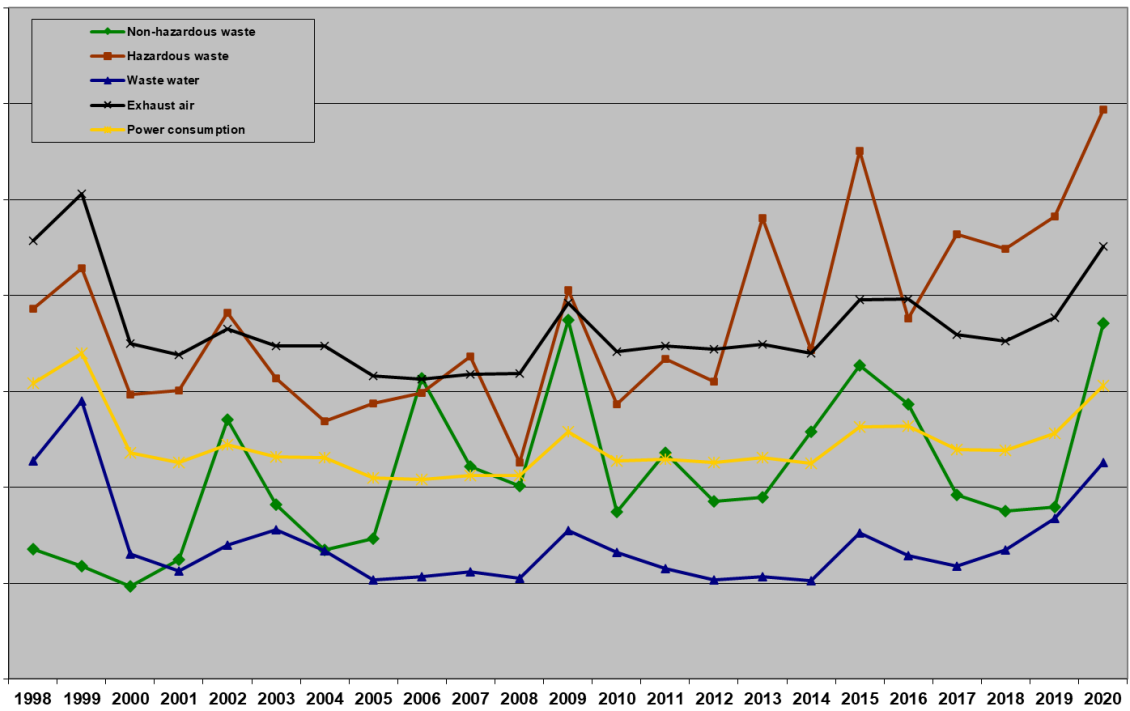
Material and Energy Balance of the production of 1 ton of steel pipe (2020):



Trends of Input Indices from 1998 to 2020:



Trends of Output Indices from 1998 to 2020:



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

Imprint

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