SG45 ..... Ausbildungszentrum
SG49 ..... Hafenleitung
SG50 ..... Betriebsfeuerwehr
SG52 ..... Zentrale Pfannenmaurerei
SG59 ..... Damenbad
SG60 ..... Kreislaufwirtschaft
SG85 ..... Europlatinen

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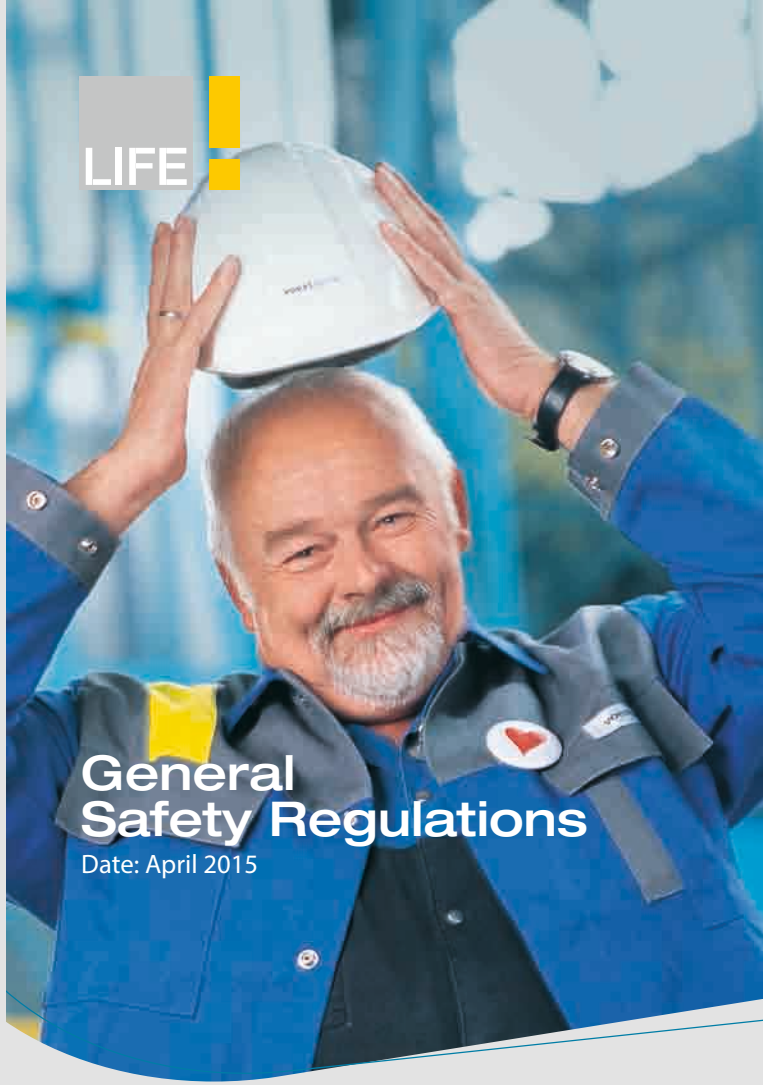
voestalpine Stahl GmbH
voestalpine-Strasse 3
4020 Linz, Austria
T. +43/50304/15-6190
F. +43/50304/55-6190
arbeitssicherheitlinz@voestalpine.com
www.voestalpine.com/stahl

voestalpine
ONE STEP AHEAD.



General Safety Regulations

Date: April 2015

voestalpine Stahl GmbH
www.voestalpine.com/stahl

voestalpine
ONE STEP AHEAD.

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INTRODUCTION

Unless otherwise stated, whenever the masculine gender is used, both men and women are included.
We are strongly committed to health and safety at work for all employees

- at voestalpine in Linz;
- from outside companies working on the basis of a service contract;
- from companies providing manpower to work for third parties (leasing personnel).

We expect everyone to act responsibly with regard to health and safety in the workplace.

Before working at voestalpine for the first time, in addition to reading these General Safety Regulations you must receive instructions concerning the specific risks your job involves and safeguards.

1 First aid

1.1 Reporting emergencies

In an emergency (workplace accident, fire, explosion, gas leak, traffic accident, or similar), call one of the emergency numbers listed and give the details on the emergency instructions sign.

- What happened?
- Where did it happen? (Exact location: e.g., building, bay, gate number, etc.), location of the alarm raiser.
- How many people are involved?
- What injuries?
- Who is calling? (Give the telephone number where you can be contacted for further information).
- Wait for questions! Please hold until the person taking the emergency call hangs up.

1.2 Emergency numbers

You can reach the **in-plant** emergency services on the following numbers:

- LAND LINE:

Ambulance	**144**
Fire	**122**
Works security	**133**

- VOESTALPINE CELL: (to ensure valuable time is not lost in an emergency, please save the phone numbers immediately)

Ambulance	**+90 144**
Fire	**+90 122**
Works security	**+90 133**

- PERSONAL CELL: (to ensure valuable time is not lost in an emergency, please save the phone numbers immediately)

Ambulance	**+43/50304/15 144**
Fire	**+43/50304/15 122**
Works security	**+43/50304/15 133**

- MOBILE RADIO: (last number can be any one, e.g., 0)

Ambulance	**1440**
Fire	**1220**
Works security	**1330**

1.3 What to do in the event of fire

The applicable fire safety regulations are legally binding for all employees.

1.4 Fire extinguishing systems

Rooms where fires are extinguished with gas have appropriate signs on the access doors. Before entering such rooms, you must receive instructions from the plant.
If an alarm signal is triggered (horn and/or flashing light or sign), leave the room immediately and do not re-enter it.

2 Obligatory for all employees

2.1 Suitable health

- Should you be in a physically or mentally impaired state (e.g., caused by illness, alcohol, drugs, or medication), you must not start your work, or continue it, if you are a danger to yourself or other people working at the plant.

2.2 Safety Instructions (SI), Safety Process Instructions (SVA)

You must comply with the

- Health and safety at work regulations;
- Safety instructions;
- Safety process instructions;
- Rules

at all times.

2.3 Keep the workplace clean and tidy

- An important basis for ensuring safety in the workplace is keeping it clean and tidy;
- After using any tools and equipment, you must clean them and return them to the appropriate place;
- When laying hoses, cables, etc., ensure people cannot trip over them and they do not cause any other hazards;
- If your work leaves rubble or waste, dispose of it in an eco-friendly way as soon as possible.

2.4 Environmental protection: waste

- Be environmentally aware, sort waste and use the company recycling system;
- Disposing of personal waste, such as scrap tires, hazardous work materials, refrigerators, car batteries, bulky garbage, etc. on the plant premises is prohibited.
-

2.5 Duty to report

You must report all incidents, defects and faults to your superior or the person responsible for the plant involved without delay.

These include:

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- Accidents at or on way to work, near accidents;
- Defects in: safety equipment, work resources, plant equipment, general lighting (including emergency lighting), safety lighting, power lines;
- Damage to property;
- Environmental damage;
- Fire occurrences;
- Illegible safety labels and floor markings.

You are required to approach other people if their behavior is inappropriate, irrespective of their affiliation and role in operations.

2.6 Your working area

- Please remain in your working area;
- Report to your superior beforehand if you intend to leave your working area during working hours;
- You are not permitted to enter parts of the plant outside your working area without an assignment.

2.7 Signing people outside the company in and out

- Before entering and after leaving the allocated working area (also for internal maintenance work), people from outside the company must be signed in and out by the supervisor at the place responsible. You will find the contacts in the part of this document relating to the plant.

2.8 No alcohol, drugs, or smoking

- Bringing and consuming alcoholic beverages and drugs at the workplace is prohibited;
- You may consume low-alcohol beer in the break rooms during break times;
- Alcohol is strictly prohibited if you operate a crane or forklift (0.0 blood alcohol);
- Smoking and no smoking zones are designated.

2.9 Personal protective equipment (PPE)

- You can find the personal protective equipment required for your working area and the job in HQSU either under the machine or operation;
- Using the PPE for the specific purpose is mandatory;
- Do not wash any workwear with protection function (flame retardant, acid/alkali proof clothing) at home, as incorrect handling could result in its protection function being compromised;
- If workwear is extremely soiled, it could result in the protective effect being reduced or completely lost;
- Replace worn or damaged PPE without delay;
- In production areas wear sturdy, closed footwear on the designated visitor routes; the plant will provide additional protective equipment where required.

2.10 Mobile communication devices

- While driving a vehicle (e.g., car, truck, bicycle, quad, scooter, forklift, crane, etc.) and operating machines or equipment, using your cell phone (e.g., for making calls, reading/writing text messages/e-mails, surfing the internet, etc.) and wearing headphones for various players is prohibited; Exception: communication necessary for operations.

2.11 Disciplinary action

- While In the event of gross or repeated violations of safety rules and regulations disciplinary action will be taken.

3 Workplace and job

3.1 Traffic and escape routes

- Use the designated walkways, footbridges, or underpasses for crossing the plant premises;
- Short cuts outside the permitted traffic routes are prohibited;
- Always keep traffic, transport and escape routes clear.

3.2 Doors and gates

- If there is a door beside a gate, you must use it even if the gate is open;
- Gates are only intended for vehicle use.

3.3 Storage

- Do not exceed the permissible floor, platform, shelf and scaffolding loads indicated;
- When setting down equipment, goods and loads of any kind, ensure that they are stable;
- Keep escape routes, emergency exits, traffic routes, stairs, entrances to electrical service rooms, light switches, distribution boxes, main switches or similar, and fire extinguishing systems clear and accessible at all times.

4 Work materials

4.1 Using work materials

- Work materials include all plant, machinery, equipment, devices and tools;
- You must use all work materials properly and for the intended purpose; follow the operating instructions;
- **Before using** any work materials, inspect them visually for any obvious defects every time;
- If you detect any defects, do not use the work materials; report them to the superior responsible;
- You may only carry out any repairs on work materials if you have been instructed to do so;
- You may only use work materials if you have been

trained or instructed on how to do so.

4.2 Hoses

- Prevent the free ends of hoses from lashing around—like a whiplash;
- Ensure the hose is suitable (pressure, media).

4.3 Forklifts

- You may only operate a forklift truck if you are trained to do so (hold forklift certification) and have an internal permit from your employer;
- You are responsible for complying with the regulations.

4.4 Cranes

- You may only operate crane systems if you have been trained or instructed on how to do so (hold crane certification), have an internal permit from your employer and are over 18 years of age;
- Riding on the load or load handling attachment is prohibited;
- Do not stand or walk under suspended loads; this applies in particular to magnetic transport;
- When working near cranes, ensure that the required clearance is observed.

4.5 Mobile elevating work platforms (aerial, articulated, or scissor lifts)

- In addition to complying with section 4.1, use personal protective equipment to prevent falling.

5 Work procedures

5.1 Repair, inspection, maintenance and cleaning work

When carrying out maintenance work (servicing, cleaning, repairing, troubleshooting):

- Switch off the electric drives at the main power supply and prevent them from being restarted accidentally (e.g. with a padlock);

- Protect system parts that could move as a result of the stored energy (hydraulic, pneumatic, gravity) with suitable means (e.g., by using a physical device).

Prepare more complex work, in particular the shutdown procedure for more complex system parts:

- In writing (e.g., work or repair program, disconnection notice, control slip).

All the information required for safe operation or ensuring the safe state of electrical systems, such as the state of the power supply, switching devices, and safety equipment, must be provided in a report (taking the risk of confusion into account).

When the work is completed, releases for restarting and operation must not be given on the basis of times agreed beforehand.

After maintenance work, immediately replace any safety devices removed and ensure they are fully functional.

5.2 Working at heights: fall protection

Fall protection, such as guard rails, safety nets, or personal protective equipment, is required from the following heights:

- From 0.0 m: above or on water or other substances where you can sink;
- From 1.0 m on stationary operating or maintenance stands, elevated stands, traffic routes, non-permanently closed wall openings, staircases, and platforms;
- From 2.0 m: for construction work at other workplaces, on stands and traffic routes;
- From 3.0 m: for work on roofs;
- From 5.0 m: when using leaning ladders, you must wear personal protective equipment to prevent falling or take appropriate action to prevent the ladder from falling over, such as enlarging the area it stands on (e.g., with a cross base or wider ladder base), adding side supports or attaching the ladder at the top end;

- Where stands are elevated temporarily, use suitable aids for accessing them such as ladders, podiums, or work platforms.

5.3 Surrounding area

- Where one workplace is above or higher than another, ensure that employees on the lower workplace level are not at risk and any traffic routes crossing it are protected;
- Protect openings in the ground, such as manholes, sewers, etc. during and after the work using appropriate means e.g., with expandable barriers, warning signs, weight bearing, and non-movable covers, etc.

5.4 Scaffolding

- Comply with the safety instructions for work scaffolding when awarding contracts for and erecting scaffolding.

Minimum requirements:

- You may only erect, substantially alter, or remove scaffolding if you are fit for and familiar with such work and under professional supervision (e.g., site foreman, site manager, etc.);
- In the area of traffic, mark scaffolding clearly where it will be noticed and prevent it from being hit by traffic;
- Using formwork panels is prohibited;
- Attach the scaffold release certificate (copy/ duplicate) on the scaffolding where clearly visible;
- An expert appointed by the scaffolding user must inspect the scaffolding for obvious defects:
  - Whenever it is used for the first time;
  - After every longer work interruption;
  - After a storm, heavy rain, frost, or other period of bad weather;
  - Scaffolding systems at least once a month;
  - Other scaffolding at least once a week.
- Do not use any scaffolding until after it has been completed and tested (release certificate on the

scaffolding);

- Do not climb onto mobile ladder scaffolds until they have been stably erected and protected against accidental movement with locking devices. You may only move them if you have ensured there are no people, objects, or materials on them.

5.5 Working on ladders

You may only carry out any work on leaning ladders if such work:

- Is only brief and within easy reach;
- Does not require great effort;
- Does not involve awkward postures;
- Does not require a wide range of tools and can be done with only one hand;
- You can transport tools and materials safely;
- If the fall height is over 5 m, you may only work if you use personal protective equipment to prevent falling or
- The ladder was prevented from falling over, e.g., by enlarging the area it stands on or attaching it at the top.

Using leaning ladders

- Lean the ladder at the specified angle of between 65° and 75°;
- Prevent it from slipping;
- In traffic areas, take precautions to prevent it from being hit;
- The ladder must protrude 1 m beyond where you get on or off;
- Do not use the topmost three steps/rungs, as there is nowhere you can hold on and there is also a greater risk of the ladder slipping.

Stepladders

- Do not use stepladders as leaning ladders unless they are specially designed;
- Only use the uppermost rungs if there is somewhere above where you can hold on; this also applies to moving from the stepladder to other standing places.

6 Working in special hazardous areas

Do not carry out any work

- in and on tanks, bunkers, pipelines, pits, manholes, sewers or similar;
- in areas with a danger of gas or explosive atmosphere;
- with live parts in certain areas;
- in the area of ionizing radiation

until after the safety procedures have been determined (e.g., obtaining release certificate for tanks/hot work/ switching off fire alarm systems, etc.) and under appropriate supervision.

You may only begin work near 110 kV overhead lines without reporting/providing information to the electricity grid control center (+43/50304/15-**6721**) if you have ensured that the horizontal/vertical distance from a crane boom, tool, or vehicle part to a 110 kV line conductor is never less than 5 m; you must also note this for permanent installations.

6.1 Working in hazardous CO areas

- You may only enter hazardous gas areas if agreed with the plant responsible;
- Carbon monoxide (CO) danger zones are labeled accordingly;
- If you inhale gases containing CO, there is an acute risk of poisoning that can lead to death.

7 Plant traffic

7.1 Road traffic

- The Austrian road rules (StVO) apply to the roadways on the plant premises;
- Failure to observe traffic regulations will be punished.

7.2 Vehicle traffic inside buildings

- Driving vehicles and parking inside plant buildings is generally prohibited;
- Exceptions are made where operations require and in designated traffic areas.

7.3 Special vehicles

- Exercise caution with special vehicles that are long or wide, carrying hot or hazardous materials, as their stopping distances may be longer and views of other road users restricted;
- Never force such vehicles to maneuver abruptly, even if it means you have to give way.

7.4 Plant railway

- Crossing the tracks is only permitted at the approved railroad crossings;
- Where the railroad line is straight, keep the safety zone clear (safe distance of 1.8 m measured from the track on both sides) at all times;
- Where the track curves, the railroad engineering office ..... +43/50304/15-**3110** or ..... +43/50304/15-**73920**
- will determine a larger safety zone to be kept clear;
- Observe the minimum clearance outline for the train and cars;
- Before starting any work in the safety zone, notify the transport controller ..... +43/50304/15-**4646**;
- Follow the railroad staff's instructions at all times.

7.5 Load securing

- The vehicle driver and loader must ensure that the load is properly secured.

8 Safety markings and warning devices

- Please note audio and visual alarms;
- You must pay attention to and comply with signs and barriers;
- Removing safety markings and barriers without authorization is prohibited;
- Examples of safety markings—see Annex.

9 Chemical work materials

- The safety procedures for using chemical work materials, such as cleaning agents, solvents, coatings, corrosive substances, and similar, are available in HQSU (in the registry of working materials) in the form of material safety data sheets and general fact sheets and must be followed.

Basic rules for handling chemical work materials:

- Keep your work space meticulously clean;
- Eating, drinking, smoking, and storing foodstuffs, drinks, and tobacco in the work area is prohibited;
- Avoid contact with your skin, eyes, and clothing. Wash clothing affected and do not wear again until after cleaning;
- After work, wash your hands and face with soap and water, then apply skincare (moisturizing) cream;
- If you have any problems, go to the plant medical center;
- Ensure that work materials do not come into contact with the ground, surface water or sewer system. Exceptions are when used for the intended purpose (e.g., dishwashing agent);
- Dispose of used or waste materials, residue, dilutions and empty containers, as indicated in the waste management policy.

- Storage
  - Outside the designated store, only the material quantities required for immediate work progress will be provided;

- Do not under any circumstances fill or store work materials in food containers (e.g., drinking vessels, beverage bottles);
- Prevent gas cylinders from falling over, protect them from heat radiation, and replace protective caps after use.

9.1 Markings

- Markings on pipelines, gas cylinders, etc.—see Annex.

10 Explosive atmospheres (zones)

- No ignition sources may exist or be taken into explosive atmospheres;
- Potential ignition sources include, for example, naked flames, sparks, smoking, hot surfaces, or non explosion-protected electrical equipment;
- Non explosion-protected electronic equipment for communication in explosive atmospheres is only permitted if it is switched off and stored in such a way as to prevent the device from falling and the battery from possibly being destroyed with sparking (pockets that can be closed).

11 Physical risks

11.1 Radiation protection

- The radiation protection areas are secured and labeled.

Radiation protection officers:

- voestalpine Stahl GmbH..... +43/50304/15-**2293**
- Steel & Service Center GmbH ..... +43 50304/19-**576**

12 Further information

- You will find the laws that have to be displayed on the Intranet;
- You can find out more about health and safety issues relating to your job and workplace in HQSU under Evaluation.

Concluding remark:

- Only if you comply with these safety instructions can you play a proactive role in ensuring safety at voestalpine in Linz. We are also counting on you to abide by the rules and regulations applying to your workplace.

SLAB SEGMENT

Blast furnace

1. General

In the blast furnace we use the prepared ore (sinter) together with coke and flux. The hot blast of air blown in causes combustion and reduction processes. They then melt the pig iron (at 1,350–1,500°C). Byproducts of the process are blast furnace slag (1,200–1,400°C) and gas.

2. Personal protective equipment (minimum requirements)

In the area of the blast furnaces:

- Hard hat for hot operations
- Flame retardant protective clothing
- Safety goggles
- Safety shoes, heat resistant soles
- Additional protective equipment as indicated in section 3
- **Warning:** do not wear any underwear (socks, shirt) made of man-made fibers.

In the area of the blower station (GBZ):

- Hard hat
- Safety shoes
- Safety goggles in designated areas

3. Hazards and action

SMELTING PROCESS

Hazard:	**Action:**
■ Risk of burning with hot liquid metal and liquid slag	■ Personal protective equipment (see section 2) ■ Do not climb over pig iron and slag runners during tapping.

Hazard:	Action:
■ Risk of poisoning from blast furnace gas (high CO content) ■ Upper furnace ■ Furnace top ■ Dust cyclone ■ GBZ 1 ■ GBZ 2	■ See section 6.1 “Working in hazardous CO areas”
Hazard:	**Action:**
■ Risk of crushing during automatic charging	■ Audio signal and warning light ■ Only enter area when accompanied by person familiar with system
Hazard:	**Action:**
■ Moisture	■ Do not let water come into contact with liquid pig iron—risk of oxyhydrogen explosions.
Hazard:	**Action:**
■ Risk of crushing from the taphole drill and plugging machine	■ Caution when there is a start warning (horn, flashing light)

4. Signing on and off

- Blast furnace 5 control room ..... +43/50304/15-**5948**
- Blast furnace 6 control room ..... +43/50304/15-**5949**
- Blast furnace A control room ..... +43/50304/15-**5950**
- GBZ 1 control room ..... +43/50304/15-**4542**
- GBZ 2 control room ..... +43/50304/15-**6768**

5. Contact

- Coordinator ..... +43/50304/15-**75668**
- Office ..... +43/50304/15-**8230**
- Quality/safety/environment ..... +43/50304/15-**5946**
- Blast furnace shift supervisor's office..... +43/50304/15-**3291**

- Person responsible
  for GBZ shift ..... +43/50304/15-**75602**
- Day shift supervisor's office
  (normal working hours only) ..... +43/50304/15-**2333**
- Used oil delivery notification
- (normal working hours only) ..... +43/50304/15-**9828**

Maintenance responsible

- Electric workshop supervisor .... +43/50304/15-**6623**
- M&R ..... +43/50304/15-**2012**
- Mechanics shift 2 ..... +43/50304/15-**73208**
- or ..... +43/50304/15-**5749**
- GBZ mechanics ..... +43/50304/15-**8917**
- Electrical/I&C coordinator ..... +43/50304/15-**3867**
- Mechanics ..... +43/50304/15-**5998**
- Office ..... +43/50304/15-**4947**

Coking plant

1. General

In der Kokerei wird Steinkohle unter Luftabschluss in Kammern erhitzt. Dabei entstehen Koks und Kokerei-Nebenprodukte wie aromatische Kohlenwasserstoffe, Kokereigas, Steinkohlenteer.

2. Personal protective equipment (minimum requirements)

2.1. For work on the furnace top and upper gas gallery

- Hard hat for hot operations
- Safety goggles
- Flame retardant protective clothing
- Safety footwear (boots), heat resistant soles
- Additional protective equipment to be agreed with the customer

2.2. Coal byproducts

- Hard hat
- Safety goggles
- Acid proof protective clothing
- Safety footwear (boots)
- Additional protective equipment to be agreed with the customer

3. Hazards and action

COKING

Hazard:

- Coke oven and blast furnace gas in oven base (risk of poisoning)

Action:

- See section 6.1 "Working in hazardous CO areas"

Hazard:

- Risk of crushing on

upper gas gallery and furnace top from rolling stock, such as pusher, charging car, automatic quenching car, etc.
- Risk of burning

Action:
- Audio and visual signals

Hazard:	**Action:**
■ Flue dust	■ Safety goggles
Hazard:	**Action:**
■ Conveyors	■ See operating and maintenance instructions

COAL BYPRODUCTS

Hazard:	**Action:**
■ Risk of explosion and fire	■ See section 10 "Explosive atmospheres (zones)"
Hazard:	**Action:**
■ Coke oven gas in power house (risk of poisoning)	■ See section 6.1 "Working in hazardous CO areas"
Hazard: ■ Risk of burning in sulfuric acid unit	**Action:** ■ Plunge bath and emergency shower ■ If you come into contact with acid, rinse thoroughly with water immediately ■ Personal protective ■ equipment (see section 2.2) ■ Wearing safety goggles mandatory

4. Signing on and off

- Coal byproducts plant control room +43/50304/15-**4374**
- Coking monitoring station ..... +43/50304/15-**75068**

5. Contacts

5.1. During normal working hours

- Maintenance (coking) ..... +43/50304/15-**6558**
  or .....+43/50304/15-**8134**
  or ..... +43/50304/15-**6890**
- Control room (coal byproducts) . +43/50304/15-**4016**
  or ..... +43/50304/15-**4170**
- Office ..... +43/50304/15-**8495**

Maintenance responsible

- Electric workshop supervisor .. +43/50304/15-**73588**
- M&R ..... +43/50304/15-**3226**
- Mechanics ..... +43/50304/15-**5986**

5.2. Outside normal working hours

- Heating ..... +43/664/8360873
- Battery ..... +43/664/8360872
- KW plant ..... +43/664/8360876

Raw material supply/sintering plant

1. General

This area is engaged in planning, managing, unloading, storing and internal logistics concerning raw materials (coal, ores, pellets, coke and oil) for the sintering plant, coking plant and blast furnaces.

In the sintering plant, fine grained iron ores, limestone chips and circulating components that cannot be used direct in the blast furnace are sintered together with fine grained coke dust at temperatures over 1,200°C to form larger pieces (fused together superficially). They are then passed through a screening unit and crusher to achieve a grain (5–40 mm) that can be used in the blast furnace.

2. Personal protective equipment (minimum requirements)

- Hard hat
- Safety footwear (boots)
- Additional protective equipment to be agreed with the customer

3. Hazards and action

CRANES

Hazard:	**Action:**
■ Risk of collision when working within minimum clearance ■ Erecting scaffolding or mobile cranes	■ Report to and agree with the offices responsible or coordinator

MEROS, DeNOx FLUE GAS TREATMENT

Hazard:	**Action:**
■ Chemicals used	■ Acid proof clothing ■ Safety goggles ■ Emergency shower

SINTERING PLANT

Hazard:	Action:
■ Conveyors	■ See operating and maintenance instructions

SINTERING PLANT, SINTERING BELT, LEVEL 3

Hazard:	Action:
■ Gas leak in inflatable hood (CO gas)	■ See section 6.1 "Working in hazardous CO areas"

4. Signing on and off

- Coal unloading foreman ..... +43/664/836 0902
- Harbor foreman ..... +43/50304/15-75650
- Process supply foreman ..... +43/50304/15-73601
  E control room ..... +43/50304/15-5905
- Sintering belt 5 foreman ..... +43/50304/15-73028
  or ..... +43/50304/15-9707
  Sintering belt control room ..... +43/50304/15-5883

5. Contacts

- Coordinator ..... +43/50304/15-9128
- Office ..... +43/50304/15-2409
- Shift supervisor ..... +43/50304/15-4039

Maintenance responsible

- See blast furnace, section 5

Materials center

1. General

At the center, metallurgical materials, e.g., LD and blast furnace slag, are turned into a wide range of products such as granulated slag, drainage gravel, sandblasting media, blast furnace layer mix, etc. The materials center facilities are distributed across the plant and as such pose various different dangers.

2. Personal protective equipment (minimum requirements)

- Hard hat
- Safety shoes
- Additional protective equipment as indicated in section 3

3. Hazards and action

GRANULATION, SLAG PIT, SKULL PROCESSING

Hazard:	**Action:**
■ Risk of burning from liquid slag and handling oxyacetylene torches	■ Hard hat for hot operations ■ Flame retardant protective clothing

BUNKERS, CRUSHERS, AND SCREENING UNITS

Hazard:	**Action:**
■ Dust formation	■ Fine dust mask ■ Safety goggles

4. Signing on and off

- SG40 supervisor's office
  Granulation ..... +43/50304/15-**75210**
  or ..... +43/664/8361967
- SG60 materials supervisor's office +43/50304/15-**77070**
  or ..... +43/664/6155452
- Container scales ..... +43 50304/15-**5901**
  or ..... +43/664/8361917
- LD slag pit ..... +43/50304/15-**73006**
- LD plant ..... +43/50304/15-**73552**
  or ..... +43/50304/15-**5933**

- MUT plant ..... +43/50304/15-**5896**
- Blast furnace slag beds ..... +43/50304/15-**73555**
- Crusher ..... +43/664/8364830
- ERG plant ..... +43/664/8360231
- Landfill ..... +43/664/6155618
- Skull processing ..... +43/664/8361352

5. Contacts

- Coordinator ..... +43/50304/15-**4190**
- Office ..... +43/50304/15-**5894**

Slab processing

1. General

In slab processing, surface defects are eliminated from the slab by removing material. In addition, the slabs are trimmed and divided. They are transported away by heavy goods vehicles.
The scrap sorted and weighed at the scrap yard is transported to the steel mill by chutes and used in the crucible. Further, flame cutting work is carried out with automatic oxyacetylene and manual cutting machines.
In the KL bay, slabs are divided, trimmed and flame cutting work carried out. A water-cooled oxyacetylene torch and various manual cutting machines (Secator) with feed are available.

2. Personal protective equipment (minimum requirements)

- Hard hat
- Safety goggles
- Safety footwear (boots)

3. Hazards and action

SLAB PROCESSING

Hazard:	Action:
■ Risk of burning from hot slabs	■ Keep clear, do not step on slabs

KL BAY

Hazard:	Action:
■ Risk of burning with hot slabs, flying sparks, and manual scarfing	■ Keep clear, do not step on slabs
Hazard:	**Action:**
■ Dust formation when turning slabs	■ Safety goggles
Hazard:	**Action:**
■ Parts breaking off or projecting from the slabs	■ Keep clear

4. Signing on and off

- Slab processing foreman's office ..... +43/50304/15-**73964**
- Scrap yard weighing office ..... +43/50304/15-**73675**
- Alloy store office ..... +43/50304/15-**6020**

5. Contacts

- Slab processing shift supervisor ..... +43/50304/15-**6753**
- Scrap yard/slab store shift supervisor ..... +43/50304/15-**6683**
- Office ..... +43/50304/15-**6881**

SMELTING METALLURGY

Slab production

1. General

The pig iron, scrap, flux, and alloying agents are melted in the crucible and refined with oxygen. After alloying and refining the steel, in secondary metallurgy the steel solidifies in the continuous casting plants to form a strand and is divided into slabs. In addition to steel, LD slag and crucible gas (CO content) are also produced.

2. Personal protective equipment (minimum requirements)

- Hard hat for hot operations
- Flame retardant protective clothing
- Safety goggles (must generally be worn)
- Safety shoes
- **Warning:** do not wear any underwear (socks, shirt) made of man-made fibers.

3. Hazards and action

SMELTING METALLURGY

Hazard:	Action:
■ Dust ■ Risk of burning from ■ liquid pig iron ■ liquid steel ■ liquid slag	■ Personal protective equipment (see section 2)
Hazard:	**Action:**
■ Crucible ejection in the event of a fault	■ Crucible liner warning (audio and visual signal) on all platforms in the crucible area with indication to keep clear

Hazard:	Action:
■ Risk of poisoning from crucible gas (CO content) in ■ flue gas analysis ■ containers, ■ all crucible platforms from/including 14 m platform, ■ ladle furnace 1, ■ briquetting/ granulation, ■ secondary dust removal	■ See section 6.1 "Working in hazardous CO areas"

SLAB PRODUCTION (CONTINUOUS CASTING PLANT)

Hazard:	Action:
■ Risk of burning from liquid steel and slag	■ Personal protective equipment (see section 2) ■ During casting, stepping into/crossing the danger areas in the mold with the yellow markings is strictly prohibited.

4. Signing on and off

- Crucible control station..... +43/50304/15-**73500**
- Pig iron control station (RE mixer) ..... +43/50304/15-**5961**
- RH1 control station ..... +43/50304/15-**73164**
- RH2 control station ..... +43/50304/15-**9771**
- RH3 control station ..... +43/50304/15-**3163**
- Limestone station alloy processing ..... +43/50304/15-**75769**
- Briquetting, pelletizing, and granulation control station ..... +43/50304/15-**5593**
- Plant technician senior crane operator ..... +43/50304/15-**75594**
- CC3/CC4 control station ..... +43/50304/15-**73683**

- CC5/CC6/CC7 control station +43/50304/15-**75063**
- Crucible gas control station ..... +43/50304/15-**4665**

5. Contacts

- Crucible plant shift supervisor +43/50304/15-**75617**
  or ..... +43/664/6155960
- Plant technician
  senior crane operator ..... +43/50304/15-**75594**
  or ..... +43/664/8360586
- Secondary metallurgy shift
  supervisor..... +43/50304/15-**4716**
  or ..... +43/664/6155581
- Continuous casting
  shift supervisor ..... +43/50304/15-**9293**
  or ..... +43/664/6155598
  or ..... +43/664/6157174
- Smelting metallurgy office ..... +43/50304/15-**6360**
- Slab production office ..... +43/50304/15-**5965**

STRIP SEGMENT

Hot rolling

1. General

In the hot rolling mill we roll the continuous cast slabs supplied from the steel mill into coils of various widths, lengths, and thicknesses. The rolling temperature is up to 1,200°C.

2. Personal protective equipment Minimum requirements

- Hard hat (hot helmet in furnace area)
- Safety shoes

3. Hazards and action

FURNACE OPERATIONS

Hazard:	**Action:**
■ Risk of burning with hot slabs and scale	■ Keep clear, do not step on slabs
Hazard:	**Action:**
■ Risk of poisoning with coke oven and blast furnace gas (CO content)	■ Stationary gas detector with visual signal (danger gas) and audio signal (horn) ■ Carry mobile CO detector with you ■ See section 6.1 "Working in hazardous CO areas"
Hazard:	**Action:**
■ Pacemaker may be destroyed by SMC (skid marks induction heating)	■ Information sign: no access for pacemaker wearers

4. Signing on and off

- Furnace control station ..... +43/50304/15-**6077**

- Finishing line maintenance ..... +43/50304/15-**77732**

5. Contacts

- Wide strip line shift supervisor .. +43/50304/15-**6352**
- Day shift supervisor ..... +43/50304/15-**6631**
- Wide strip line office ..... +43/50304/15-**6936**
- Maintenance office ..... +43/50304/15-**77273**

Finishing, packing

1. General

FINISHING: here we inspect, oil, weld, or divide steel strip (electrogalvanized, cold, hot-dip galvanized, and organically coated strips) to the required dimensions and to customer specifications.

COILS AND PACKAGES: we pack material units to customer specifications (with steel bands, paper, and wood).

2. Personal protective equipment (minimum requirements)

- Hard hat
- Safety shoes
- Long-sleeved clothing

3. Hazards and action

FINISHING

Hazard:	Action:
■ Risk of cutting yourself on plates with sharp edges	■ Do not touch plates

4. Signing on and off

- I line 1 main control station ..... +43/50304/15-**77350**
- I line 2 main control station ..... +43/50304/15-**77349**
- I line 3 main control station ..... +43/50304/15-**73461**

KWW 2, Bay 7, Gate 67, Column G9-G11, level 1

- I line 4 main control station ..... +43/50304/15-**73346**

Surface treatment center, Bay V4, Gate 16

- I line 5 main control station ..... +43/50304/15-**74105**
- Finishing shift supervisor ..... +43/664/615 **5722**
- Packing shift supervisor ..... +43/664/615 **5723**
- I line 6 inspection station ..... +43/50304/15-**76029**
  or ..... +43/50304/15-**76040**
- Output control station ..... +43/50304/15-**76032**

5. Contacts

- Shift supervisor, see section 4

Pickling, cold rolling

1. Allgemeines

KWW 2

PICKLE 2: bonding the unpickled hot strip to form continuous strip. Pickling to remove the scale from the hot strip using hydrochloric acid. Acid treatment and iron oxide production.

TANDEM: cold rolling the pickled hot strip to customer specifications (five-stand roll line).

KWW 3

CONTINUOUS TANDEM: cold rolling the pickled hot strip to customer specifications (five-stand roll line)

2. Personal protective equipment (minimum requirements)

- Hard hat
- Safety shoes
- Long-sleeved clothing

3. Hazards and action

Tandem pickling (BETA), regeneration

Hazard:	Action:
■ Risk of burning with acid	■ Acid proof clothing ■ Safety goggles ■ Emergency shower
Hazard:	**Action:**
■ Risk of cutting yourself on plates with sharp edges	■ Do not touch plates

4. Signing on and off

- Cold rolling supervisor's office . +43/50304/15-**77292**
  KWW 2, Bay 3, Gate 56a
  KWW 2, Bay 6, Gate 68
  KWW 3, Bay T2, Gate 100
- BG12 maintenance ..... +43/50304/15-**74237**

5. Contacts

- Cold rolling supervisor's office .. +43/50304/15-**77292**
- Shift supervisor ..... +43/50304/15-**77403**
- Maintenance day shift
  supervisor ..... +43/50304/15-**9952**
  or ..... +43/664/836 2803
- Office ..... +43/50304/15-**9820**

Organic coating

1. General

BABE: surface treatment (corrosion protection) and coating with paints for decorative finishes on steel strip (cold, electrogalvanized, and hot-dip galvanized).

2. Personal protective equipment (minimum requirements)

- See section 3

3. Hazards and action

STRIP COATING LINE (BABE)

Hazard:	Action:
■ Risk of explosion with solvents	■ See section 10 "Explosive atmospheres
Hazard:	**Action:**
■ Risk of burning with acids and alkalis	■ Safety goggles ■ Acid proof clothing ■ Emergency shower
Hazard:	**Action:**
■ Risk of cutting yourself on plates with sharp edges	■ Do not touch plates

4. Signing on and off

- BABE 1 main control station ..... +43/50304/15-**6872**
  KWW 2, Bay B0, Gate 52
- BABE 2 main control station ..... +43/50304/15-**3344**
  Surface treatment center, Bay B2, Gate 128

5. Contacts

- See section 4.
- BABE 1—shift supervisor ..... +43/664/615 5975
- BABE 2—shift supervisor ..... +43/664/615 5975

Hot-dip galvanizing

1. General

Recrystallization annealing and hot dipping of cold-rolled wide steel strip with a zinc coating including the pre and post treatment steps required.

2. Personal protective equipment (minimum requirements)

- •Hard hat
- •Safety shoes
- •Long-sleeved clothing

3. Hazards and action

HOT-DIP GALVANIZING LINES

Hazard:	**Action:**
■ Risk of burning with liquid zinc	■ Do not enter designated area
Hazard:	**Action:**
■ Risk of suffocation from nitrogen and inert gas in the area of the furnace and dancer roll storage	■ Use mobile O2 detector
Hazard:	**Action:**
■ Risk of burning with acids and alkalis	■ Safety goggles ■ Acid proof clothing ■ Emergency shower
Hazard:	**Action:**
■ Strong magnetic fields from galvannealing coils and magnetic filters	■ Information sign: no access for pacemaker wearers

4. Signing on and off

- FVZ 1 main control station ..... +43/50304/15-**6912**
  KWW 2, Bay V1, Gate 52

- FVZ 2 main control station ..... +43/50304/15-**75990**

Surface treatment center, Bay V3, Gate 15

- FVZ 3 furnace control station .... +43/50304/15-**2770**
  Surface treatment center, Bay B3, Gate 133
- FVZ 4 main control station ..... +43/50304/15-**77121**
  Surface treatment center, Bay B4, Gate 145
- FVZ 5 main control station ..... +43/50304/15-**8356**
  Surface treatment center, Bay B5, Gate 154a

5. Contacts

- See section 4
-
- If you have any special questions, please contact the shift supervisor:
- FVZ 1 shift supervisor ..... +43/664/615 5793
- FVZ 2 shift supervisor ..... +43/664/615 5791
- FVZ 3 shift supervisor ..... +43/664/615 9806
- FVZ 4 shift supervisor ..... +43/664/836 2724
- FVZ 5 shift supervisor ..... +43/664/836 2724

Annealing, skin pass rolling, texturing, electrogalvanizing

1. General

BATCH ANNEALING LINE: the cold-rolled strips as rolled are recrystallization annealed on static bases in an inert gas atmosphere.

SKIN PASS ROLLING LINE: light rerolling of annealed strips to optimize their surface finish, improve formability, and flatten them.

CONTINUOUS ANNEALING LINE 1: in this process the cold-rolled strips as rolled are recrystallization annealed, skin pass rolled, inspected, and finished in one pass.

CONTINUOUS ANNEALING LINE 2: cold-rolled electric strip is continuously cleaned, annealed, coated with insulating paint, and finished.

TEXTURING: creating a specified surface roughness on the work rolls using various texturing processes (EBT, EDT, SBT).

ELECTROGALVANIZING LINE: electrolytic galvanizing of annealed, skin pass rolled, and cold-rolled wide steel strip to improve corrosion protection and surface finish.

2. Personal protective equipment (minimum requirements)

- Hard hat
- Safety shoes
- Long-sleeved clothing

3. Hazards and action

SKIN PASS STAND

Hazard:	**Action**:
■ Risk of cutting yourself on plates with sharp edges	■ Do not touch plates

CONTINUOUS ANNEALING LINE 1

Hazard:	Action:
■ Risk of cutting yourself on plates with sharp edges	■ Do not touch plates
Hazard:	**Action:**
■ Risk of burning yourself with acids and alkalis	■ Acid proof clothing ■ Emergency shower ■ Safety goggles
Hazard:	**Action:**
■ Risk of suffocation from nitrogen and inert gas in the area of the furnace and dancer roll storage	■ Use mobile O2 detector and also ■ Cell phone or radio

CONTINUOUS ANNEALING LINE 2

Hazard:	Action:
■ Risk of cutting yourself on plates with sharp edges ■ Risk for your eyes of paint splashing in the coater area	■ Do not touch plates ■ Safety goggles ■ Emergency shower
Hazard:	**Action:**
■ Risk of suffocation from nitrogen and inert gas in the furnace area ■ Risk of burning yourself with alkalis	■ Wearing a mobile gas detector mandatory ■ Safety goggles ■ Emergency shower

ELECTROGALVANIZING

Hazard:	Action:
■ Risk of explosion with H2	■ See section 10 “Explosive atmospheres

Hazard:	Action:
■ Risk of burning yourself with electrolytes ■ Acids ■ Alkalis	■ Acid proof clothing ■ Safety goggles ■ Emergency shower

Hazard:	Action:
■ Strong magnetic fields in galvanizing area	■ Information sign: no access for pacemaker wearers

Hazard:	Action:
■ Risk of cutting yourself on plates with sharp edges	■ Do not touch plates

4. Signing on and off

■ HGL monitoring station ..... +43/50304/15-**6487**
KWW 2, Bay 5, Gate 68a, Column E13/14
■ EDT texturing control station ... +43/50304/15-**77087**
KWW 2, Bay 8, Gate 61d
■ HGL/skin pass shift supervisor ... +43/664/615 8567
■ Cont. annealing 1 main control station ..... +43/50304/15-**75564**
KWW 2, Bay 9, office extension, southwest
■ Cont. annealing 1 shift supervisor +43/664/615 5713
Cont. annealing 2 main control station +43/50304/15-**76064**
Bay B6
■ Cont. annealing 2 process engineer +43/664/883 20716
■ ELO main control station ..... +43/50304/15-**4715**
Surface treatment center, Bay V4, Gate 16

5. Contacts

■ ELO shift supervisor ..... +43/664/615 5971
■ Shift supervisor, see section 4

SERVICE SEGMENT

Mobile systems engineering

1. General

The mobile systems engineering department is primarily concerned with repairing and maintaining mechanical components and crane systems. It is the central service provider for voestalpine Stahl's entire Linz plant with a main workshop and several smaller facilities located around the premises. The crane and equipment service personnel mostly works on the facilities on site.

2. Personal protective equipment

In the area of the work place

- Hard hat
- Safety shoes
- Additional protective equipment as indicated in section 3

3. Hazards and action

Hazard:	Action:
■ Machining - grinding work, sparking, debris flying off	■ Wear safety goggles
■ Risk of cutting yourself on plates and work pieces with sharp edges	■ Do not touch plates or work pieces

4. Signing on and off

- Crane service workshop ..... +43/50304/15-**75525**
- Equipment workshop ..... +43/664/615 8358
- BG83 facility ..... +43/664/615 8353
- ELO facility ..... +43/664/615 8357

5. Contacts

- Management ..... +43/50304/15-**5551**

Office ..... +43/50304/15-**5553**

Equipment service:

- Person responsible for process
  Slab ..... +43/50304/15-**2608**
- Person responsible for process
  Strip ..... +43/50304/15-**4495**
- Supervisor ..... +43/50304/15-**77709**

Crane service:

- Person responsible for process +43/50304/15-**77810**
- Supervisor ..... +43/50304/15-**75525**
- Agency staff management
  Contract staff coordinator ..... +43/50304/15-**74471**

Electrical engineering center

1. General

The electrical engineering center is the main service provider for servicing, repairing, and building new electrical equipment at the Linz plant and for external customers. Work is not only carried out at the BG28 and main electrical workshops (EHW) but also on site at the customer's premises during the day, sometimes the night shift, or on standby duty.

2. Personal protective equipment (minimum requirements)

In the area of the work place in the workshops

- Safety shoes
- Protective clothing

3. Hazards and action

Hazard:	**Action:**
■ Machining - grinding work, sparking, debris flying offSpäne	■ Wear safety goggles
Hazard:	**Action:**
■ Risk of cutting yourself on plates with sharp edges	■ Do not touch plates
Hazard:	**Action:**
■ Risk of injury when winding	■ Wear safety goggles

The following areas are responsible for maintenance, safe operation, and in the event of faults

■ Low-voltage systems ■ Lighting ■ Socketsystems	+43/50304/15-**2240**
■ Transformer room 6/0.4 kV/0.5 kV	+43/50304/15-**6721**

- Fire alarm,
- Heating and
- Ventilation systems +43/50304/15-**9383**

- Lifting gear - mechanical +43/50304/15-**77810**

- Lifting gear - electrical
- Elevators +43/50304/15-**2707**

4. Signing on and off

BG28, main electrical workshop

- EHW: repairs reception ..... +43/50304/15-**73707**
- Office ..... +43/50304/15-**3435**

5. Ansprechpartner Reparaturannahme:

Elevators, buildings, cranes, infrastructure

- Supervisor ..... +43/50304/15-**2707**
- Fault reception .....+43/50304/15-**5974**

Systems and control engineering

- Supervisor ..... +43/50304/15-**2240**

Electrical machines

- Supervisor ..... +43/50304/15-**5973**

Air conditioning and fire alarm systems

- Supervisor ..... +43/50304/15-**9383**

Sensors and I&C

- Supervisor ..... +43/50304/15-**8858**
- Safety ..... +43/50304/15-**2563**

Refractory engineering

1. General

At the brick making plant we produce MgO-C bricks and various backfilling, gunning, and repair compounds. In addition, we also repair used slider and dummy plates at the brick plant.
Ladle linings, RH vessels and moving parts with refractory linings.

2. Personal protective equipment (minimum requirements)

- Hard hat
- Protective clothing
- Safety shoes

Hazards and action

Hazard:	**Action:**
■ CO gas risk from proximity to blast furnace A	■ See section 6.1 "Working in hazardous CO areas"

4. Signing on and off

- ZAPF shift foreman ..... +43/50304/15-**5994**
  or ..... +43/664/615 5181
- Brick making plant - control room +43/50304/15-**4835**
- Day shift supervisor ..... +43/50304/15-**4837**

5. Ansprechpartner

- Siehe Punkt 4.

Materials management & divestment

1. General

The main process of materials management and divestment is the divisional service provider for inventory management, incoming goods, proper storage, supply, and recycling of general spare parts (ART) and special spare parts (RT), materials and supplies (HiBe), and is divided into:

- Inventory management
- Central warehouse, ART, divisional incoming goods, and plant-wide goods distribution
- Warehouses and stores for spare parts, materials, supplies, and small parts
- Divestment of equipment and spare parts

No smoking except in designated smoking zones.

2. Personal protective equipment (minimum requirements)

There are no particular risks for visitors or special protection required as long as the visitor or guest is accompanied by the main process manager or taken to the storage areas by a person responsible for the store and remains under supervision.

3. Hazards and action

No protection required

4. Signing on and offn

When entering and leaving the stores on site (except central warehouse), anyone from outside the company must without exception report to the foreman in the relevant store and sign in and out the visitors book (store 11).

At the central warehouse, report to the main entrance - goods issue.

Store no.	Description	Telephone no.
1	Central warehouse	+43/50304/15-**77631**
2	Automatic small parts store	+43/50304/15-**77631**
3	Oils, greases, fuels	+43/50304/15-**75818**
5	Steel mill spares store	+43/50304/15-**6085**
6	Blast furnace, ore preparation, metallurgical materials	+43/50304/15-**4261**
7	Coking plant	+43/50304/15-**5056**
8	Power plant supplies store (spares)	+43/50304/15-**4261**
11	Rolling mill (spares)	+43/50304/15-**77375**
18	Crane parts, plates, section steel	+43/50304/15-**77545**
30	Pit furnace bay	+43/50304/15-**73053**
63	Tool issue	+43/50304/15-**77545**
92	VAAN spares store	+43/50304/15-**77375**
131	Heavy plate	+43/50304/15-**77375**
9	Rolling stock workshop (LogServ)	+43/50304/15-**5887**
10	Heavy duty vehicle repairs (vehicle workshop)	+43/50304/15-**5887**
146	Car workshop	+43/50304/15-**5887**

5. Contacts

- Management ..... +43/50304/15-**2531**
- Office ..... +43/50304/15-**8453**
- Inventory management ..... +43/50304/15-**5915**
- Central warehouse ..... +43/50304/15-**3038**
- Divestment ..... +43/50304/15-**3206**
- Shift supervisor or
  foreman ..... +43/50304/15-**5994**
  or ..... +43/664/615 5181

Warehouses and stores for spare parts, materials, supplies, and small parts

- Person responsible for process +43/50304/15-**77616**
- Supervisor ..... +43/50304/15-**74192**

Mechanical engineering center

1. General

The mechanical engineering center is primarily involved in repairing and servicing mechanical components. This work is mainly carried out in the workshops.

2. Personal protective equipment (minimum requirements)

- Safety shoes
- Wear safety goggles in all the bays, working and production areas except for the traffic routes marked BLUE.

3. Hazards and action

Hazard:	Action:
■ Machining - grinding work, sparking, debris flying off	■ Wear safety goggles
■ Risk of cutting yourself on plates and work pieces with sharp edges	■ Do not touch plates or work pieces

4. Signing on and off

- Machining ..... +43/50304/15-**6898**
- Welding and steelwork ..... +43/50304/15-**77716**
- Metalworking and hydraulic shop +43/50304/15-**3285**
- Testing service ..... +43/50304/15-**77414**

5. Contacts

- See section 4

Test engineering and analysis

1. General

The test engineering and analysis department uses both physical and chemical methods to determine material properties in its laboratories and other facilities.

2. Personal protective equipment (minimum requirements)

Visitors must wear sturdy footwear and long-sleeved clothing (work coat) as long as the visitor or guest is accompanied by the person responsible for the lab or someone instructed by him/her to do so. The lab manager or employee may require appropriate PPE for special situations or operations.

No long-sleeved clothing is required for metallurgical and surface analysis.

3. Hazards and action

Hazard:	**Action:**
■ In the mechanical and physical test engineering facilities there is the risk of injury from sawdust or falling parts.	■ Hand protection

4. Signing on and off

Mechanical and physical test engineering

- Sample workshop..... +43/50304/15-**6702**
- Mechanical and physical test lab ..... +43/50304/15-**6577**
- Cold-rolled strip/ surface treatment test lab ..... +43/664/8364750
- Auxiliary foundry and refractory materials test lab ..... +43/50304/15-**6108**

5. Ansprechpartner

Mechanical and physical test engineering

See section 4

Metallurgical and surface

- analysis ..... +43/50304/15-**77323**
- or ..... +43/50304/15-**77963**
- Metallurgy process analysis ..... +43/50304/15-**3908**
- or ..... +43/50304/15-**4698**
- Environment and process analysis +43/50304/15-**75733**
- or ..... +43/50304/15-**4926**
- Non-destructive material testing +43/50304/15-**5851**
- or ..... +43/50304/15-**6675**

Electricity

1. General

The power plant generates electricity from blast furnace, coke oven, crucible and natural gas, and—in emergencies—light heating oil for the smelter. In addition, the following media are also used or supplied to the smelter: cooling water, feed water, steam, and heavy heating oil. Another task is supporting the district heating network. Power distribution supplies the internal and external companies on the plant premises with electricity from the power plant and 110 KV grid.

2. Personal protective equipment (minimum requirements)

- Hard hat
- Protective clothing
- Safety shoes

3. Hazards and action

Hazard:	Action:
■ Working with high and low-voltage switchgear	■ See instructions for outside companies or non-power distribution departments working in power distribution electrical systems or working in cable tunnels and switchgear—safety regulations
Hazard:	**Action:**
■ Cable tunnels (losing your way, fire, gas)	■ See instructions for working in cable tunnels and switchgear—safety regulations

4. Signing on and off

Power supply

- Network control center, BG56,
  level 2, control room..... +43/50304/15-**5916**
  or ..... +43/50304/15-**6721**
- Mobile shift technician
  Electricity distribution ..... +43/664/615 5202
- Safeguarding, switching, grounding engineer
  (09:00-15:00) ..... +43/50304/15-**3263**

Power plant and block 07

- Water-oil system, BG56,
  level 2, control room..... +43/50304/15-**73409**

5. Contacts

- Power plant shift foreman
  (00:00-24:00) ..... +43/50304/15-3235
- Plant management (day)
  (07:00-16:00) ..... +43/50304/15-3876
- Plant engineer (day)
  (07:00-16:00) ..... +43/50304/15-73078
- Office (day)
  (07:00-15:00) ..... +43/50304/15-5913

Technical media

Gas, water, and steam pipe networks

1. General

The gas, water, and steam pipe networks are for supplying the various media from where they are produced (e.g., coking plant, blast furnace, steel mill) to where they are used (coking plant, blast furnace, steel mill, central blower station, hot and cold rolling mills, etc.).

2. Personal protective equipment (minimum requirements)

- Hard hat
- Safety shoes
- Additional protective equipment as indicated in section 3

3. Hazards and action

GAS, WATER AND STEAM PIPE NETWORKS

Hazard:	**Action:**
■ Risk of CO gas in the immediate vicinity of drainage systems and ■ when moving blind plate valves	■ See section 6.1 "Working in hazardous CO areas"

4. Signing on and off

- Heating system shift foreman .... +43/50304/15-**2777**
  or ..... +43/664/836 0406
- Pipeline engineering, north ..... +43/50304/15-**3241**
  or ..... +43/664/615 5276
- Pipeline engineering, south ..... +43/50304/15-**9713**
  or ..... +43/664/836 0402
- Systems engineering heating system +43/50304/15-**4386**

5. Contacts

- Heating system shift foreman
  (00:00-24:00) ..... +43/50304/15-**2777**
  or ..... +43/664/836 0406
- Plant management (day) ..... +43/50304/15-**9045**
  or ..... +43/664/615 5267
- Plant engineer (day) ..... +43/50304/15-**3067**
  or ..... +43/664/615 7176
- Plant engineer (day) ..... +43/50304/15-**3282**
  or ..... +43/664/615 8697

Gasometer/metallurgical gas network/GG standalone grid/mixed gas stations 1–4 and flare systems 1–6

1. General

The gasometers are used for maintaining pressure in the metallurgical gas network or buffering to compensate for differences between production and consumption. There is a separate gas holder for each metallurgical gas network: blast furnace, coke oven and crucible gas. Flare systems 1–6 prevent excess pressure in all the gas networks.

2. Personal protective equipment (minimum requirements)

- Hard hat
- Safety shoes
- Additional protective equipment as indicated in section 3

3. Hazards and action

GASOMETER

Hazard:	Action:
■ Risk of CO gas in the immediate vicinity of the gas holder or when approaching the gasometer plate	■ See section 6.1 "Working in hazardous CO areas"
Hazard:	**Action:**
■ Risk of burning yourself with gasometer sealing agent P (gasometer oil)	■ Protective clothing ■ Hand protection ■ Safety goggles

METALLURGICAL GAS NETWORK/GG STANDALONE GRID/ MIXED GAS - STATIONS 1–4 AND FLARE SYSTEMS 1–6

Hazard:	Action:
■ Risk of poisoning from blast furnace, crucible and coke oven gas (CO content)	■ See section 6.1 "Working in hazardous CO areas"

4. Signing on and off

- Central gasometer control room +43/50304/15-**4028**
- Heating system control room ..... +43/50304-15-**4046**
- Heating system shift foreman .... +43/50304/15-**2777**
  or ..... +43/664/836 0406

5. Contacts

- Heating system shift foreman
  (00:00-24:00) ..... +43/50304/15-**2777**
  or ..... +43/664/836 0406
- Plant management (day) ..... +43/50304/15-**9045**
  or ..... +43/664/615 5267
- Plant engineer—water/
  metallurgical gas (day) ..... +43/50304/15-**3067**
  or ..... +43/664/615 7167
- Plant engineer—industrial
  gases, steam (day) ..... +43/50304/15-**3282**
  or ..... +43/664/615 8697

Heating system

1. General

The heating system includes facilities for supplying/ disposing of (drains) steam (20 bar and 6 bar) and water (process water, wastewater, pure water, bath water, feed water, sewage, hot water, and district heating) for the smelter and external partners. The various media have to be treated accordingly regarding pressure, temperature, and purity. In addition, there is also a back pressure turbine in the heating system for generating electricity from steam.

2. Personal protective equipment (minimum requirements)

- Flame retardant protective clothing
- Hard hat
- Safety shoes
- Additional protective equipment as indicated in section 3

3. Hazards and action

HEATING SYSTEM

Hazard:	**Action:**
■ Risk of burning yourself with chemicals	■ Acid proof clothing ■ Safety goggles ■ Emergency shower

PIPES AND SEWERS (MANHOLES)

Hazard:	**Action:**
■ Risk of CO gas areas ■	■ See section 6.1 "Working in hazardous CO areas"

4. Signing on and off

- Heating system shift foreman .... +43/50304/15-2777
  or ..... +43/664/836 0406

5. Contacts

- Heating system shift foreman
  (00:00-24:00) ..... +43/50304/15-2777
  or ..... +43/664/836 0406
- Plant management (day) ..... +43/50304/15-9045
  or ..... +43/664/615 5267
- Plant engineer (day) ..... +43/50304/15-3282
  or ..... +43/664/615 8697
- Plant engineer—wastewater
  (day) ..... +43/50304/15-4456
  or ..... +43/664/836 2128

Crucible gas production

1. General

Crucible gas production and steam generation are located in the LD 3 steel mill, with the outdoor crucible gas facilities on the north side of the mill. The crucible gas occurring during steel production is removed, cooled, cleaned and, depending on composition and requirements, piped to the gas mixing stations or flared. The steam occurring in the heat recovery boilers is supplied to the steel mill itself or metallurgical steam network.

2. Personal protective equipment (minimum requirements)

- Hard hat for hot operations
- Safety shoes
- Safety goggles
- Additional protective equipment as indicated in section 3

3. Hazards and action

Hazard:	**Action:**
■ Risk of CO gas during blower operation, work on the outdoor facilities or while a goggle valve is being operated.	■ See section 6.1 "Working in hazardous CO areas"

4. Signing on and off

- LD 3 crucible gas control station +43/50304/15-**73029**
  or ..... +43/50304/15-**4665**
- Heating system shift foreman .... +43/50304/15-**2777**
  or ..... +43/664/836 0406

5. Contacts

- Heating system shift foreman
  (00:00-24:00) ..... +43/50304/15-**2777**
- Plant management (day) ..... +43/50304/15-**2396**
- Plant engineer (day) ..... +43/50304/15-**75070**

LD 3 water treatment

1. General

LD 3 water treatment means cleaning, cooling and chemically treating the circulating cooling water for supplying the steel mill facilities.

2. Personal protective equipment (minimum requirements)

- Hard hat
- Safety shoes
- Additional protective equipment as indicated in section 3

3. Hazards and action

Hazard:	Action:
■ Risk of CO gas in the gravel filters, roof area, and cooling towers for the RH systems	■ See section 6.1 "Working in hazardous CO areas"
Hazard:	**Action:**
■ Scalding if you fall into the hot water tank (temperature up to 55°C) ■ Risk of drowning	■ Personal protective equipment to prevent falling
Hazard:	**Action:**
■ Risk of burning from chemicals in the metering area	■ Acid proof clothing ■ Safety goggles ■ Emergency shower

4. Signing on and off

- Water treatment control room WAB 1 ..... +43/50304/15-**77022**
- Heating system shift foreman ..... +43/50304/15-**2777**

5. Contacts

- Heating system shift foreman
  (00:00-24:00) ..... +43/50304/15-**2777**
  or ..... +43/664/836 0406
- Plant management (day) ..... +43/50304/15-**2396**
- or ..... +43/664/615 5282
- Plant engineer (day) ..... +43/50304/15-**75070**
  or ..... +43/664/615 5282

SUBSIDIARY COMPANIES

Europlatinen GmbH

1. General

At voestalpine Europlatinen GmbH, we stamp the sheet metal supplied in coils and strips in our die-cutting systems to make blanks (cut parts) and formed parts. Depending on what the customer requires, we can join two or more blanks with our laser welding systems.

2. Personal protective equipment (minimum requirements)

- Safety shoes

3. Hazards and action

Hazard:	Action:
■ Risk of cutting yourself on plates with sharp edges	■ Do not touch plates
Hazard:	**Action:**
■ Strong magnetic fields in clamping devices	■ Information sign: no access for pacemaker wearers

4. Signing on and off

As instructed or authorized:

- HR office in office building—first floor
- Report to shift leader/supervisor responsible or requester

5. Contacts

- Office ..... +43/50304/15-**6351**
- QSU management ..... +43/50304/15-**77648**
  or ..... +43/664/615 9870
  or ..... +43/50304/15-**3005**
  or ..... +43/664/836 3160
- Production management ..... +43/50304/15-**77647**
  or ..... +43/664/836 2533

- After around 17:00 (Mon 06:00–Sun 06:00) you can only contact the shift supervisor.
- Shift supervisor ..... +43/50304/15-**3752**
  or ..... +43/664/615 9882

Giesserei Linz GmbH

1. General

At the Linz foundry we primarily manufacture steel castings for energy generation, production, and mechanical engineering.
We first melt the steel cast in sand molds as basic steel at the steel mill and then alloy it in the ladle furnace at the foundry.
In the non-ferrous metal (NEM) foundry we melt the material and then cast 95% in ingot molds and the remainder in sand molds. We produce maintenance-free friction bearings and gate valves for pressing tools.

2. Personal protective equipment (minimum requirements)

- Hard hat for hot operations
- Safety goggles (must generally be worn)
- Flame retardant protective clothing
- Safety shoes
- Additional protective equipment for the relevant activities as per clothing list

3. Hazards and action

METALLURGICAL GAS NETWORK/GG STANDALONE GRID/ MIXED GAS - STATIONS 1–4 AND FLARE SYSTEMS 1–6

Hazard:	**Action:**
■ Risk of burning yourself with liquid steel, on heat treated or preheated castings	■ Keep clear

MAGNETIC TESTER

Hazard:	**Action:**
■ Strong magnetic fields	■ Information sign: no access for pacemaker wearers

CASTING PITS

Hazard:	**Action:**
■ Risk of falling into temporarily unsecured casting pits	■ Keep clear of pit area

Hazard:	Action:
■ Hazardous gas areas with CO during operation	■ See section 6.1 "Working in hazardous CO areas"

4. Signing on and off

Steel foundry

- Maintenance ..... +43/50304/15-**75432**
  or ..... +43/664/615 9035
- Crane department ..... +43/50304/15-**73270**
  or ..... +43/664/883 20253

NEM foundry

- Supervisor ..... +43/50304/15-**6946**
  or ..... +43/664/615 9049

5. Contacts

- Steel foundry ..... +43/664/615 9047
- NEM foundry ..... +43/664/615 9031

Grobblech GmbH

1. General

Processes at voestalpine Grobblech: four-high stand, furnaces, finishing, cladding, and heavy plate pressing. Regular range: plate 5–150 mm thick. After heating the feedstock that comes from the steel mill or cladding line (clad plate packages) to about 1,200°C, we remove the scale from the slabs in the scale washer. Rolling is carried out in the four-high stand (four rolls). If required, after rolling the heavy plates can be cooled quickly with water. These plates go through the following machines:

- Leveling machine for achieving the required flatness
- Double cut shears, cut to length shears, or flame cutting machines for cutting the plates
- Test systems (ultrasound for testing the interior structure), turning grate for visual inspection
- Annealing furnace for heat treatment as required

In clad plate package assembly, scale is removed from the individual plates by a continuous shot blaster, they are polished by belt grinders, treated by a rubbing unit, assembled to form a package, bonded by automatic welding machines and then heated for package rolling.

On the cladding completion line, after heat treatment, scale is removed from the roll-bonded clad plate packages by the continuous shot blaster, the plates are cut to shape using plasma torches, flattened on the cold-rolling machine, the cladding polished by belt grinders and finally they are packed.

The heavy plate plant produces boiler heads and other parts on a hydraulic press. In two assembly areas the boiler heads consisting of several parts are built. We have a dishing press and two flanging machines to produce different designs for boiler heads and cones.

2. Personal protective equipment (minimum requirements)

- Hard hat
- Hard hat for hot operations—pusher/pit/continuous furnaces
- Safety shoes

3. Hazards and action

PUSH/PIT/CONTINUOUS FURNACES

Hazard:	Action:
■ Risk of burning from hot slabs and scale; risk of burning and ■ poisoning from fuel gases (CO content)	■ Flame retardant protective clothing ■ See section 6.1 "Working in hazardous CO areas"

ROLLING STAND, FINISHING, CLADDING, HEAVY PLATE PRESSING

Hazard:	Action:
■ Risk of cutting yourself on plates with sharp edges ■ Risk of crushing on roller conveyors and when handling plate products	■ Keep clear, do not touch plates ■ Keep off roller conveyors

CLADDING, PACKAGE ASSEMBLY, COMPLETION, HEAVY PLATE PRESSING

Hazard:	Action:
■ Risk of crushing from handling plate products ■ Risk of cutting yourself on plates with sharp edges	■ Keep clear, do not touch plates

Hazard:	Action:
■ Hot transport ■ Risk of scale flaking ■ Risk of collision ■ Hot slabs are transported by overhead crane 507 to the feeder for the 4.2 m four-high stand	■ Keep clear

4. Signing on and off

Four-high stand and furnaces

- Pusher furnace control room ..... +43/50304/15-**6187**
- Pit furnace control room ..... +43/50304/15-**6027**
- Rolling stand control cabin ..... +43/50304/15-73087

Finishing

- Shift supervisor ..... +43/50304/15-**6642**
  or ..... +43/664/615 5256

Cladding

Package assembly

- Supervisor ..... +43/664/615 5258
- Day shift foreman ..... +43/664/883 20061
  or ..... +43/664/836 0739
- Shift foreman ..... +43/50304/15-**6047**
  or ..... +43/664/615 248

Completion

- Supervisor ..... +43/664/615 6175
- Day shift foreman ..... +43/664/836 0740
  or ..... +43/664/615 9745
- Shift foreman ..... +43/50304/15-77997
  or ..... +43/664/615 9831

Head fabrication

- Supervisor ..... +43/50304/15-**77815**
  or ..... +43/664/615 5945

Plant maintenance

- Supervisor ..... +43/50304/15-**6365**

5. Contacts

- Plant maintenance supervisor ... +43/50304/15-**6365**

Logistik Service GmbH Commercial vehicle and rolling stock workshops

1. General

The workshops service and repair all kinds of vehicles.

2. Personal protective equipment (minimum requirements)

- Wearing bump cap or hard hat mandatory
- Safety shoes

3. Hazards and action

No protection required

4. Signing on and off

- Rolling stock workshop ..... +43/732/6598-**6183**
- Commercial vehicle workshop .. +43/732/6598-**5931**

5. Contacts

- See section 4.

Engine and railcar workshop, and workshop for maintaining rail and safety installations

1. General

Inspection and repair work is carried out on rolling stock in the engine and railcar workshop, while the workshop for rail and safety installations is responsible for building new and maintaining existing stock.

2. Personal protective equipment (minimum requirements)

- Wearing bump cap or hard hat mandatory
- Special protective equipment as required when signing on or receiving orders/instructions

3. Hazards and action

No protection required

4. Signing on and off

- Customer service center ..... +43/50304/15-**4877**
  or ..... +43/50304/15-**9379**
- Workshop supervisor ..... +43/50304/15-**73197**
  or ..... +43/50304/15-**5249**

5. Contacts

- See section 4.

Steel & Service Center GmbH

1. General

Preprocessing and distributing cut plates, slit steel strip, cut shapes, construction parts and components of various grades, as well as further processing services such as deburring, sand blasting, annealing, and flattening.

EMERGENCY NUMBERS for Industriezeile:

On the production lines:

- Ambulance 0 144
- Fire 0 122
- Police 0 133

Production area D (south ring): see 1.2 Emergency numbers – general section

2. Personal protective equipment (minimum requirements)

- Hard hat
- Exceptions:
  Industriezeile production site
  Plant production site
  - Bay 7 without crane operation
  - Bay 8
- Protective clothing for the given task in accordance with clothing regulations
- Safety shoes

3. Hazards and action

Hazard:

- Risk of cutting yourself on plates with sharp edges
- Risk of burning yourself on hot plates, offcuts, construction parts and components

Action:

- Do not touch plates

Hazard:	Action:
■ Risk of crushing on roller conveyors and when handling plate products	■ Keep off roller conveyors

Hazard:	Action:
■ Strong magnetic fields on magnet stacking units	■ Information sign: no access for pacemaker wearers

4. Signing on and off, internal

Shear cuts:

- Production management ……. ..+43/50304/15-**72520**
  or……. .....+43/50304/15-**72521**
- Plant production site
  Shift supervisor ..... +43/50304/15-**6878**
- Industriezeile production site
  Shift supervisor ..... +43/50304/15-**72532**

Cut shapes:

- Production management …….. .+43/50304/15-**72966**
  or……. .....+43/50304/15-**72986**
- Foreman ..... +43/664/6158899

Parts and components:

- Production management …….. .+43/50304/15-**73760**
- Process manager ..... +43/664/8363504
- Process manager ..... +43/664/8364235

5. Contact

- IIMS management ..... +43/50304/15-**72573**
  or……. ..... +43/50304/15-**72410**
-

Annex

You will find the most frequently used gases with their most important properties and the safety procedures listed below.

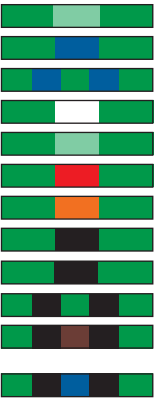
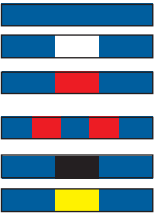
Pipeline marking to VAN 230.05		
Medium—gas pipeline*/gas cylinder marking	**Properties**	**Safety procedures**
Compressed air* 	May contain dirt particles	• Do not direct the compressed air jet at your body
Oxygen*   	Oxidizing	**Prohibited**: • Using it to clean workwear • Using it to improve air quality • Using it to operate pneumatic machines • Wearing greasy gloves to operate the valve **Fire hazard!**
Nitrogen    	Displaces oxygen (asphyxiant)	Prevent nitrogen from collecting

Natural gas*	• Flammable	Prevent • Leaks • Observe no smoking • Maintain gas burning systems
Acetylene * 	• Flammable • Toxic due to contamination	
Coke oven gas *	• Flammable • Toxic (due to CO content)	• Note keep clear of the area • Note no smoking • Prevent leaks • Maintain gas burning systems • Special safety procedures (use gas detectors and gas masks, do not work in the area alone) • Note details in SVA: safety procedures in hazardous CO gas areas
Blast furnace gas *		
Crucible gas *		

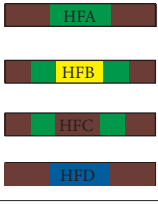
Argon *    	• Displaces oxygen (asphyxiant)	• Prevent argon from collecting
Carbon dioxide (CO2)—in fire extinguishers 	• Colorless • Non flammable • Odorless (clove scent added) • Liquid released solidifies	• In an emergency (fire) there is both an audio alarm with a siren and a visual one with a flashing light • If an alarm sounds or you detect a clove scent, leave the danger area and go outdoors • CAUTION: The room is flushed 30 seconds after the alarm signal—lowering the oxygen content—DANGER OF ASPHYXIA

		• Keep cylinders away from naked flames and heat sources, avoid skin contact—danger of frostbite

***) Note: Officially authorized deviation from marking** to ÖNORM Z 1001 (VAN 230.05)

Color coding for piped media	**Pipeline markings with colored rings**	
RAL 6002 Water		Potable water Pure water Bath water Hot water Steam condensate Feed water Salt water, brine Process water River water Muddy water Wastewater Soft water (hardness degree 7)
RAL 3002 Steam		Steam <12 bar Steam 12–25 bar Steam >25 bar
RAL 5010 Air		Blower air, turbo air Hot air Compressed air <8 bar Compressed air ≥8 bar Coal dust Sand-air mixture

RAL 1012 Gas		Blast furnace gas, cleaned
		Raw blast furnace gas
		Coke oven gas
		Mixed (blast furnace and coke oven) gas
		Crucible gas
		Shielding gas
		Natural gas
		Acetylene
		Liquefied gas (propane, butane)
		Carbonic acid
		Nitrogen
		Argon
		Oxygen
		Hydrogen
		Ammonia
RAL 2000 Acid		Acid
		Acid, concentrated
RAL 4001 Alkali		Alkali
		Alkali, concentrated
RAL 8012 Petroleum for hydraulic systems and gears		Hydraulic oil, gear oil
	X…Code letter for more stringent specifications	

RAL 8012 Fire- resistant fluids		Oil in water emulsion (filtrate) Water in oil emulsion Aqueous solution Anhydrous liquid
	Labelling to VDMA 24317 and 24320	
RAL 8012 Flammable fluid		Tar oil Gasoline Benzene (light oil, coal)
RAL 9005 Tar		Pure tar
RAL 7003 Vacuum	No color coding	

Hazard symbols/pictograms

OLD	NEW	DESCRIPTION
		**Highly toxic:** Very small quantities can cause death or also chronic damage to your health from inhaling, swallowing or absorbing through the skin. **Example:** hydrogen cyanide, potassium cyanide **Toxic:** Small quantities can cause death or also chronic damage to your health from inhaling, swallowing, or absorbing through the skin. Carcinogenic substances are also labeled “toxic”. **Example:** formaldehyde
		**Easily flammable:** **Fluid substances:** flash point 0°C to under 21°C. **Solid substances:** Dust explosions possible **Examples:** gasoline, aluminum powder **Highly flammable:** **Fluid substances:** flash point below 0°C and boiling point max. 35°C **Example:** ethylene oxide **Gaseous substances:** Flammable range with air, highly flammable liquefied gas **Examples:** propane gas, natural gas…

		**Environmental hazard:** If it escapes to the environment, it can cause an immediate or subsequent danger to the environment (water, ground, air) or living organisms.
		**Explosive hazard:** Explosion from flame ignition **Example:** picric acid salts
		**Oxidizing:** Reacts with other substances, especially combustible ones, generating great heat. **Example:** oxygen
		**Corrosive:** In contact with organic tissue may dissolve it. **Example:** sulfuric acid over 15% in water
	No pictogram	**Harmful:** Can cause death or also chronic damage to health from inhaling, swallowing, or absorbing through the skin.
	No pictogram	**Irritant:** Can cause inflammation from short-term, longer or repeated contact with the skin or mucous membranes. **Example:** sulfuric acid 5–15% in water

No symbol		Health risk
No symbol		**Gas cylinder:** Gases under pressure, compressed, liquefied, cryogenic, or dissolved gases
No symbol		Exclamation mark

In addition to the hazard pictograms on the labels, you will also find the signal words **DANGER** for high level of risk or **CAUTION** for “less serious” risk categories.

Examples of labels
Emergency signs

 Emergency phone	 First aid
 Evacuation route, right	 Fire exit
 Assembly point	 Defibrillator
 Emergency eye wash	 Emergency shower
 Stretcher	 Doctor

Mandatory action signs

 Hard hat area	 Eye protection required
 Hard hat and eye protection required	 Hearing protection required

 Hard hat, eye and hearing protection required	 Face shield required
 Dust mask required	 Respirator required
 Hand protection required	 Foot protection required
 Protective clothing required	 Safety harness must be worn
 Disconnect before maintenance	 Disconnect before opening
 Wash hands	 Drinking water
 Gas cylinders must be chained	 Safety vest must be worn

Warning signs

 Flammable material or high temperature hazard	 Explosive material hazard
 Toxic hazard	 Corrosive material hazard
 Radioactive or ionizing radiation hazard	 Suspended load hazard
 Watch for forklift traffic	 High voltage hazard
 General warning	 Laser beam hazard
 Oxidizing hazard	 Non-ionizing radiation hazard
 Warning magnetic field	 Warning biological hazard

 Fall hazard	 Slip hazard
 Low temperature hazard	 Irritant or harmful hazard
 Gas cylinder hazard	 Battery hazard
 Explosive atmosphere hazard	 Hot surface hazard
 Crush hazard	 Constriction hazard
 Pinch point/entanglement hazard	 Automatic start-up hazard
 Warning optical radiation	 Optical damage due to radiation from natural or artificial light sources
 Yellow and black stripes: obstacles and danger areas	 Red and white stripes: no admittance

Prohibition signs

 No smoking	 No fire, open flame, or smoking
 No pedestrians	 Do not extinguish with water
 Not drinking water	 Authorized personnel only
 No access for industrial vehicles	 Do not touch
 No cell phone	 Do not switch
 No pacemakers	 No access with metallic implants
 No food or drink	 No unauthorized ladder use
 Do not stand here	 No reaching in

Fire safety signs

 Fire alarm telephone	 Fire extinguisher
 Fire hose	 Fire alarm (manual)
 Ladder	

Gebäudeverzeichnis

BG 2 ..... Prüftechnik und Analytik
BG 3 ..... Kokerei, Prüftechnik und Analytik
BG 4 ..... Forschung und Entwicklung
BG 5 ..... Gebläsezentrale
BG 6 ..... WFL
BG 8 ..... MCE Industrietechnik
BG 9 ..... Materialwirtschaft & Devestitionen, vivo
BG 12 ..... Technikum Roheisen, Schmiede
BG 13 ..... Mechanisch Technisches Zentrum
BG 15 ..... Betriebsräte
BG 17 ..... Betriebsmedizin
BG 18 ..... Wertstoffzentrum
BG 19 ..... Schmelzmetallurgie, Betriebsrat
BG 20 ... Technischer Service, Lichtpauserei, Zentralarchiv
BG 26 ..... Betriebsmedizin
BG 28 ..... Elektrotechnisches Zentrum
BG 29 ..... Prüftechnik und Analytik
BG 31 ..... Zentrales Schaltgebäude
BG 33 ..... Andritz Hydro
BG 34 . Vorstand Technik, Grobblech, Technischer Service
BG 35 ..... Technischer Service
BG 36 ..... Band
BG 37 ..... Leitung Band
BG 38 ..... Bramme
BG 39 ..... Anarbeitung, Prozessautomation Bramme, Post-Service-Center, DK-Vermessung
BG 40 ..... Innovationscenter Stahl
BG 41 ..... voestalpine AG
BG 44 ..... Gästehaus, Küche
BG 45 ..... Primetals
BG 47 ..... Primetals , Geschäftsführung
BG 48 ..... Primetals , Bautechnik
BG 49 ..... Andritz Hydro
BG 52 ..... Instandhaltung Stahlwerk
BG 54 ..... Schrottplatz

BG 55 ..... Giesserei
BG 56 ..... Kraftwerk
BG 57 ..... Forum Zukunft, Personalmanagement, Reisestelle, Stahlstiftung, Personalberatung
BG 58 ..... Nutzfahrzeug - Werkstätte
BG 63 ..... Bilfinger MCE
BG 64 ..... Bilfinger MCE
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BG 82 ..... Instandhaltung FVZ 4
BG 83 ..... Anlagenservice
BG 85 ..... Europlatinen
BG 86 ..... Altlastsanierung
BG 88 ..... group-IT, Icon
BG 90 ..... Anarbeitung, Formenzuschnittszentrum
SG 2 ..... Rohstoffversorgung/Sinteranlage
SG 7 ..... Elektrohauptwerkstätte
SG 8 ..... Möbellager
SG 13 ..... Lager Materialwirtschaft
SG 14 ..... Mechanisch Technisches Zentrum
SG 23 ..... Instandhaltung Rohrleitung
SG 25 ..... Feuerfesttechnik
SG 36 ..... Band
SG 37 ..... Leitung Technische Medien
SG 38 ..... Hochofenbetriebe
SG 40 ..... Sozialhaus Granulation
SG 41 ..... Anlagentechnik Hochofen

Werksgeländeplan Werk Linz M1:6500
Werkszaun
Hauptstraße
Nebenstraße
Allgemeines Fahrverbot
Zoll - Douane
Durchfahrtshöhe
Rettungsstelle
Info Point für LKW
Parkhaus, Tiefgarage
Parkplatz
Werkseinfahrt Werkssicherung
Einfahrt für Mitarbeiter mit Transponderkarte
Einfahrt für Mitarbeiter mit Transponderkarte
Gehtor
Geh- und Radtor
voestalpine
EINEN SCHRITT VORAUS.
Hafen
Donau
Traun
Ground Unit
Koksgas Gasometer
Service Zone
UWT
Kokerei
Koksbatterien
Kraftwerk
Kraftwerk Block07
Rittal
Anarbeitung Formzuschnittzentrum
group-IT
ILL
GBZ1
Hochöfen 4-6
Sinteranlage
Steinelager Ost
STW16
Tiegelgas Gasometer
Gichtgas Gasometer
Elektrohauptwerkstätte
Hochofen A
Möllergebäude
Steinefabrik
GBZ2
ZAPF
Brammenlagerplatz
Umspannwerk Ost
LD3
BBN
Siemens VAI
Forum Zukunft
Ausbildungszentrum
voestalpine Stahlwelt
Gästeküche
WAB1
WAB2
WHB2
HM01
HM03
HM04
SATRE-Schulung
Tankstelle
KFZ-Werkstätte
Andritz Hydro
Gießerei
Elektrotechn. Zentrum
BIS VAM
Korrosionsschutz
Wertstoff-Zentrum
Mechel Stahlhandel
Billfinger Berger
Tafelblechzentrum
Schubbeize
voestalpine Grobblech
Regeneration
Betriebsmedizin
KWW1
WWW
Flämmerei
Kontiglühe 2
Feuerverzinkung 5
Feuerverzinkung 4
Feuerverzinkung 3
Bandbeschichtung 2
Konti-Tandem
Elo-Verzinkung
Feuerverzinkung 2
ELO
Europlatinen
Betriebsfeuerwehr
IS Baubetrieb
LogServ
Seelsorge-Zentrum
Billfinger Maschinenbau
WFL
Neuson
TMS Büro
ASA
Billfinger Berger
ASAMER
Werksgärtnerei
Linz AG Bauhof Süd
Lisag
LKW-Terminal
Linz AG Sonderanlage
ILL i2+i3
ILL i0
Kontiglühe
KWW2
Feuerverzinkung 1
Colofer
Längsteilzentrum
Umspannwerk Hütte SÜD
SK-VOEST
Linz AG Fernheizkraftwerk
LVZ
Felbermayr
Sasol Wax
TMS
LKW-Nachladeterminal
STW2