Technical data

Piping material: PP
CHEMICAL STORAGE
deliver → store → dosing

- **Truck Deliverystation**
  Built by regulation, adapted to the requirements of the customer

- **Chemical storage tanks**
  Built by regulation, adapted to the requirements of the customer

- **Dosing**
  Built by regulation, adapted to the requirements of the customer

Field of application
- Sewage and waste treatment plants
- Food industry
- Chemistry, biochemistry, pharmaceutical
- Environmental technology
- Water treatment
- Swimming pools
- Electroplating and anodised finishes
SOIL RECYCLING
TRUCK DELIVERY

Material: PP
Construction: 2011
Medium: various chemicals
Dimensionen: Ø200-140 PN10
Verfahren: Mirror-welding
Hot gas welding
Sleeve welding
SOIL RECYCLING
DOSAGE FROM DELIVERY TANK

Material: PE-100
Construction: 2011
Medium: Sulfuric acid
H2SO4 70% 20 m³
Caustic soda
H2O2 40% 20 m³
Iron(III) chloride
FeCl3 30 m³
WASTE INCINERATION
DOSAGE FROM IBC CONTAINER

Material: PP / PTFE
Construction: 2011
Medium: Hydrogen peroxide
H2O2 14% 2x1.2m3
SEWAGE PLANT
DOSING

Material: PP / PVC / EPDM

Construction: 2011

Medium: Iron(III)chloride FeCl3

Pump: 4x DDI222-60D
        4x DDAsmart
• Process piping
Piping for the business processes in industry

• Piping in the chemical
Piping for the conveyance of highly corrosive chemicals

• Piping for Individual
Piping adapted to the requirements of the customer

Field of application
— Sewage and waste treatment plants
— Food industry
— Chemistry, biochemistry, pharmaceutical
— Environmental technology
— Water treatment
— Swimming pools
— Electroplating and anodised finishes
POWERSTATION GRIMSEL 2
COLD WATER DISTRIBUTION

Material: PE-100 SDR 17
PN10

Construction: 2011

Medium: Glacier water

Dimensions: Ø560

Process: Mirror welding
Electrofusion welding
Hot gas welding
Würstelschweissen
POWERSTATION GRIMSEL 2
COLD WATER DISTRIBUTION

Material: PE-100 SDR 17 PN10
Ausführung: 2011
Medium: Glacier water
Dimensionen: Ø20 to Ø560 round 350m
Verfahren: Mirror welding Electrofusion welding Hot gas welding Würstelschweissen
BATTERIE RECYCLING
PROCESS LINES

Material: PP SDR33 / EPDM

Construction: 2011

Medium: diverse

Dimensions: Ø200 bis Ø500

Process: Mirror welding
          Hot gas welding
          Würstelschweissen
MERCURY RECOVERY
COLD WATER LINE

Material: PE 100 SRD17 PN10
Construction: 2011
Medium: various
Dimensions: Ø125 bis Ø355
Process: Mirror welding
          Hot gas welding
          Electrofusion welding
MERCURY RECOVERY PROCESS PIPE

Material: PE 100 SDR17 PN10
Construction: 2011
Medium: various
Dimensions: Ø125 bis Ø355
Process: Mirror welding
Hot gas welding
Electrofusion welding

ISO 9001

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WASTE INCINERATION
HYDROXIDE MUD SPLASHDOWN

Material: PE SDR11 PN10

Construction: 2011

Medium: various

Dimensions: various

Process: Mirror welding
Sleeve welding
Hot gas welding
UNDERGROUND

• **Earth-tube collector**
  Pipes for the conveyance of geothermal/cool

• **Air-transport pipelines**
  Pipes for pumping of air

• **Chemical pipelines**
  Pipes

• **Liquid-transport pipelines**
  Pipes for the pumping of highly corrosive

**Einsatzgebiete**
  — Minergie
  — Comfort ventilation
  — Environmental technology
  — Multi-purpose halls
  — Industry
FUNCTIONAL PRINCIPLE

The ground temperature can be used as follows:

- at low temperatures, the cold air is heated in the ground
- at high temperatures, the warm air is cooled in the ground

In both directions energy is exchanged.

Material: PE-HD welded
Air speed: under 2m/s
Length total: min. 35m
Deep editorial: min. 2m over the surface
Ground temperature in 2m: 6-14°C Winter/Summer *
Ground temperature in 6m: 8-12°C Winter/Summer *

*=please note geological report
SPORTS ARENA
EARTH-TUBE COLLECTOR HARP

Material: PE 100 welded

Construction: 2009

Medium: Air

Dimensions: Ø450 157m, Ø500 125m, Ø180 184m, Ø110 330m

Process: Mirror welding, Electrofusion welding, Hot gas welding
MINERGIE HOUSE
EARTH-TUBE COLLECTOR

Material: PE 100 geschweisst

Construction: 2007

Dimensions: Ø160  4m
            Ø140  35m
SPORTS HALL DISTRIBUTION PIPELINE UNDERGROUND

Material: PE 100 welded
Construction: 2008
Dimensions: Ø560 97m
Material: PE 100 welded

Construction: 2009

Medium: Air

Dimensions: Ø450 157m, Ø500 125m, Ø180 184m, Ø110 330m

Process: Mirror welding, Electrofusion welding, Hot gas welding
TRANSFORMER HOUSE
COOLING PIPELINE UNDERGROUND

Material: PE 100 welded
Construction: 2009
Dimensions: Ø315 190m
SCOOLHOUSE
COMFORT COOLING CONCRETED

Material: PE 100 welded
Construction: 2011
Medium: Air
Dimensions: Ø630 12m
             Ø450 60m
Process: Mirror welding
         Electrofusion welding
         Hot gas welding
HOTEL COMFORT COOLING UNDERGROUND

Material: PE 100 welded

Construction: 2011

Medium: Air

Dimensions: Ø1000 104m
Ø 800 8m
Ø 500 21m
Ø 315 16m

Process: Mirror welding
Electrofusion welding
Hot gas welding
MULTIPURPOSE BUILDING
COMFORT COOLING IN BASE

Material: PE SDR33 welded
Construction: 2011
Medium: Air
Dimensions: Ø800 270m
COMFORT COOLING
SILENCER UNDERGROUND

Material: PE 100 welded
Medium: Air
Dimensions: Ø200 Ø1200mm
REFUSE INCINERATION PLANT

Piping for a N0X-washer

Piping material: PP / GFK
REFUSE INCENGERATION PLANT

Technical data
Piping material: PP / GFK
REFUSE INCINERATION PLANT

Technical data

Piping material: PP / GFK