

COMPANY PROFILE



We enjoy the engineering

.... and have big experience in the manufacturing

Characterization of our Company

Since its foundation in the year 1881 GRONEMEYER & BANCK has been producing large-capacity storage tanks. We have therefore been able to gather the broadest experience, and this has been passed on from generation to generation, constantly completed by the latest technical knowledge.

Our tanks and vessels have gained an excellent reputation throughout the world and have a firm place in industry, commerce and administration.

The company is family-owned for more than 120 years and is represented today by the following persons:

Managingdirector:	Mr. E.F. Banck
Design / Construction:	Mr. B. Ußling
Commercial:	Mr. K. Große-Dunker
Production:	Mr. H. Oberpenning (SFI)
Quality supervision:	Mr.T. Otto

Staff:	about 90 permanent employees, including: 10 for administration, commercial and sales 10 for engineering / planing 45 workshop (incl.apprentices) 25 erection / assembling
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Company-figures:	
Company-capital:	€255.646,--
turnover:	about €9 millions p.a.

Produktion areas:	
Company estate:	50.180m ²

Workshoparea:	8.700m ² including surface treatment
Lifting facilities:	2 x 250 kN; 7 x 100kN; 1x50kN
Office:	800m ²

Materials inproduktion:

- 35 % non alloyed structural steel according to DIN EN 10 025
- 35% fine grain steel according to DIN EN 10028 -as well modified-
- 15 % high-tensile grain steel according to DIN EN 10137
- 5 % non alloyed steel for high temperatures according to DIN EN10028
- 5 % alloyed steel (rustresisting) according to DIN17440
- 5 % nonferrous alloys (likeCu-, Al-alloys, titan etc.)

Qualifications, certificates:

- Great welding qualification (DVS) according to DIN 18 800 Teil 7
- Qualification according to §19I(1)and(2)- German water protection law-WHG
- TÜV - HP 0
- Lloyds Register
- Germanischer Lloyd
- Bureau Veritas
- Stoomwezen
- Swiss VDB
- Test book according to Ö-NORM by the TÜV-Austria
- Admission to stamp material (AD-WO bzw. TRD100)
- Admission according to DIN 4133
- Quality Management Certificate according to DIN EN ISO 9001-2000 (incl.an extension for flat bottom tanks according to DIN4119
- SCC-Safty Certificate Contractors

Qualification of welders:

- according to EN 287, part 1 (about 50 welders examined)

Processing equipment:

- oxygen cuttingmachines:
 - 1 portal 3.500x38.000mm
 - 1 CNC 3.000 x 12.000mm
 - 1 x plasma (transportable)
- 2 plate bending machines (widthxthickness)
 - 3.500 x 40mm
 - 2.500 x 16mm
- section and pipe bending machines
- mechanical / hydraulicpress (pressing power 90to)
- steel grid for the assembly of large structural components up to 15 x 18 m
- welding machines and transformers:
 - 4 TIG-machine (workshop)
 - 15 active/inert gas metal machine (workshop)
 - 5 submerged welding machine (workshop)
 - 8 submerged across welding machines (site)
 - 1 electroslag welding (site and workshop)
 - 3 electrogas welding (site and workshop)
- slanting machine for mechanical bevel cutting
- turning lathe
- drilling machine
- milling machine

- parallel planing machine
- grinding machine
- other cutting machines (like hand-nibbling machine)

Surface treatment:

- 1 sandblasting facility 6 x 35 m
- coating, painting, shot blasting and insulation of all kind
- special device for the bituminous coating of buried vessels

heat-treatment:

- heat-treatment before or after the welding
- mobile heating furnace from supplier

Methods of testing:

- nondestructive testing X-ray / ultrasonic / surface crack test
- destructive testing bending test, structure assay
impact test / tension test/ hardness test,
spectralanalysis

Engineering equipment:

- CAD-system with 6 work stations
- PC-based intranet for
 - quotations
 - static calculation
 - different technical calculations

Our range of supply

Flat bottom tanks

Flat bottom tanks from about 100m³ upward for the above- and underground storage of liquids of all kind.

- calculation and execution according to German and international standards and technical regulations, like DIN4119, DIN18800, AD2000-instructions, API 650 and BS 2654
- fulfilment of the applicable legal requirements in the respective country
- assembly of large components in the workshop with the necessary testing
- delivery of tanks in parts ready for erection, painted and packed in collis for transportation by truck or ship
- complete erection with own personnel at site

Part of our supply are the design, delivery and erection of:

- foundations,
- tank cups with or without covers,
- equipment for the control of double walls,
- leak detection systems consisting of a double bottom and alarm device,
- fittings,
- primary element,
- equipment for foam and sprinkling,
- catwalks, stairs, platforms and ladders,
- different kind of tank heatings,
- complete inside and outside coating with many different paints,
- rubber-lining and fire protection coating ,
- complete insulation.

Reconstruction and repair of flat bottom tanks

- development and execution of concepts for there pair of flat bottom tanks
- testing of the durability of flat bottom tanks
- subsequent installation of double bottoms with leak detection system
- erection of cups around existing flat bottom tanks
- reconstruction by using existing flat bottom tanks as cups and erection of new tanks with leak detection system in it
- enlarging the capacity of flat bottom tanks and cups by enlarging the hight

Flat bottom tanks for special purposes and at difficult locations

- biological reactors for different purification processes
- storage tanks for local heating systems
- storage tanks for liquids with increased temperature with inside or outside heating coils, i. e. liquid sulphur($T=140^{\circ}\text{C}$), bitumen($T=200^{\circ}\text{C}$)
- tanks with double shell for special media
- storage tanks for condensate with pressure valve
- storage tank for offshore platforms
- underground fuel tanks for safe storage

Materials: general and weather-resistant structural steel, grain-refined construction steel, boiler plates.

We also supply special tank-designs with equipment and material on customer's demand. Charged with individual tasks, we always work out the best solution for our clients.

Our detailed reference for flat bottom tanks will be made available to you.

The following persons will help you in any questions concerning flat bottom tanks:

- Mr. Banck Tel.: (0049) - 5204/1004-20
- Mr. Ußling Tel.: (0049) - 5204/1004-25
- Mr. Jacob Tel.: (0049) - 5204/1004-55
- Mr. Schwöster Tel.: (0049) - 5204/1004-23
- per Email: Verkauf@Gromemeyer-Banck.de

Pressure vessels / bullits

Pressure vessels produced in the workshop or at site in vertical or horizontal design for the above- or underground storage of liquified and gaseous media.

- pressure vessels for the storage of liquified gases
- LPG vessels for the installation on cargo ships
- vessels with double shell in special designs
- repair and reconstruction of pressure vessels to grant the reliability of operation
- most of the vessels are completely produced, tested and accepted in our workshop; special transports to the site are aranged
- bigger vessels are transported in parts to the site and assembled, tested and accepted there
- reconstruction of aboveground storage vessels to enable underground storage

Calculation and execution according to German and international standards and technical regulations:

AD2000-instructions / Europeen guideline 97/23/EG (pressure devices) / ASME-Code/British Standard / Imo-Code / ADNR / DVGW-guidelines

Acceptance by the following Authorities:

Technischer Überwachungs-Verein (TÜV) / Bureau Veritas / Germanischer Lloyd / Lloyd's Register/Stoomwezen

Materials: General and weather-resistant carbon steel, grain-refined construction steel, high-tensile steel, low temperature steel and boiler plates.

We also supply special pressure vessels-designs with equipment and material on customer's demand. Charged with individual tasks, we always work out the best solution for our clients.

Our detailed reference for pressure vessels will be made available to you.

The following persons will help you in any questions concerning pressure vessels:

- Mr. Banck Tel.: (0049) - 5204/1004-20
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Silos

Silos with a capacity from 100m³ up to 50.000m³ for the storage of bulk material and liquids.

- design and construction in accordance with DIN1055T.6, DIN4119 and DIN18800
- design of the silos depends on the properties of the material to be stored and the local conditions
- engineering, production and erection performed by own personnel

Characteristics of the execution:

- flat bottom with ventilation and drainage channels
- conical bottom with central and excentrical emptying
- multi-chambered silos
- silos supported by supporting ring, claws or casing with or without door
- inspection facilities, catwalks, stairs, platforms and ladders
- fittings for monitoring
- complete inside and outside coating with different kinds of paint

Materials: General andweather-resistent structural steel, grain-refined construction steel, boiler plates.

We also supply special silo-designs with equipment and material on customer,s demand. Charged with individual tasks, we always work out the best solutionfor our clients.

Our detailed reference for silos will be made available to you.

The following persons will help you in any questions concerning silos:

- Mr. Banck Tel.: (0049) - 5204/1004-20
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further products:

- steel towers for windpower systems
- welded constructions for different purposes
- bending of steel sections