







VELTEC NV – Kapellen, Belgium

Organisation ETABO Group



ETABO Energietechnik und Anlagenservice GmbH

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rmaturentechni

100 %

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Who we are





Our Strengths

- High flexibility high quality – 24/24 – 7/7 service
- Intervention teams in Belgium and abroad
- Both minor jobs and major projects
- All employees are VVA1and/or VVA2-certified

History / Staff



Founded 1997

*On Site Machining: 1997 – 2005

*KSB On Site Machining: 2005 – 2012

*Voith Industrial Services: 2012 – 2017

*Veltec: 2017 – 2018

*ETABO: 2019...

Staff

White Collars: 12 (5 overhead – 7 working for Clients)

Blue Collars: 26

External: 2







Daily mechanical maintenance

Workshop activities:

CNC and conventional







- Turning
- Milling
- o Grinding and honing
- $\circ~$ Creating shaft taps
- o Drilling conduits
- \circ Cutting screw threads
- \circ Levelling bedplates
- \circ Boring studs
- \circ Creating weld edges
- Removing seal welds
- \circ Line boring

Workshop activities: Steelworks







- Design of steelworks : platforms, stairs, secondary steel, supports
- Prefab and installation of construction works

On site machining: Turning





- \circ On-site or workshop
- Adaptable to any given diameter
- $\circ~$ Flange facing
- $\circ~$ Turning of RTJ joints
- Range: Dia. till min. 6 m
- Flatness tolerance: 0,25 mm (dia. 6m)

On site machining: Turning





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- Adaptable to any given diameter
- Flange facing
- o Turning of RTJ joints
- Range: Dia. till min. 6 m
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On site machining: Milling





- Adaptable to any given diameter and lenght
- Bundle baffle plates
- Pump / motor foundations
- \circ Steal constructions
- o Range: till 16 m
- Flatness tolerance: 0,1 mm/m

On site machining: Milling





- Adaptable to any given diameter and lenght
- Bundle baffle plates
- Pump / motor foundations
- Steal constructions
- $\circ~$ Range: till 16 m ~
- Flatness tolerance: 0,1 mm/m

On site machining: Colt pipe cutting



- Colt cutting
- $\circ~$ Weld preparation V
- Weld preparation Tulip
- Range: till 1676 mm

On site machining: Welding and finisch turning of shafts

Boring dia.: 34,9 till 101,6
 stroke: 254 mm tolerance h7

 Boring dia.: 101,6 till 285,8 stroke: 558 mm tolerance h7

Boring dia.: 203,2 till 609,6
 stroke: 685,8 mm tolerance h7

On site machining: Line boring

- o Adaptable till dia. 800 mm
- Lenght: till 5 m
 Tolerance: H7

On site machining: Drilling and cutting threads

- Drilling holes
- $\circ~$ Cutting threads till M120 ~
- \circ Helicoils

On site machining: Grinding

- Grinding of flange surfaces.
- Grinding of valve seats
- Grinding of drum surfaces.

Vibrations on a drum can be caused by the fact that the contact surface is no longer circular. With our grinding machines we are able to solve this problem.

On site machining: Customer build machines

- EON: drilling out of leaking plug inside a machine with inside diam.
 300mm and depth of the plug inside the machine 2000mm.
- Solution: RC machine with inside camera
- Smulders: windmills flanges 90 pc Thornton (Nordsee) dia. 6,5 m~8 m tol.0,25 mm
- Solution: 10t flange facing machine

\circ Safe

• No damages

o Parts

 \circ Valves

• Cars, bulldozer, constructions, ...

Gas leak imaging

- For all compressed gases
- Pressure difference Min.50mbar.
- Detection treshold: Quiet evironment 2 l/h, industrial 10 l/h
- Locate gas leaks 10x faster.
- Safe: working distance from 0,3 m till 40m
- Easy recording of images and videos
- 128 integrated senors to locate ultrasound emitted by leaks.

Gas leak imaging

https://www.distran.ch/v/1u5368ydr7kij

Laser alignment shaft and geometric

- Shaft alignment
- Geometric alignment

On site services: Bolt-handling

Tensioning range: from 285 kN till 2466 kN

Torquing range: from 290 Nm till 62358 Nm

- The number one cause of leaks is flanges, yet they are not designed to leak.
- Flanges leak due to incorrect makeup and inaccurate bolt loads.
- Using hydraulic bolt torques or tensioners, we provide controlled bolt tensioning services to ensure your flanges will not leak, enhancing system integrity, safety and reducing costly unscheduled downtime

Spark erosion removing of broken bolts or studs

- The cutting action of the metal disintegrator is accomplished by creating a series of intermittent electric arcs that break down the hardest metals into minute particles
- A hollow electrode, held in the head of the disintegrator, vibrates as it's tip creates an arc that melts the material
- Plain water is pumped through the electrode to wash away the disintegrated metal, while cooling the workpiece to 40°-50° C.

Permanent pipeline repair

For over 20 years Clock Spring is leader in composite repair. This Materials are used worldwide by all major oil and gas companies.

Clock Spring provides a permanent repair solution for damaged, corroded pipes and / or tanks.

Extensive testing of materials led to approval by various official authorities.

Each application is carefully calculated so that an tailor-made solution can be offered to are Clients.

Our repairs ensure that the installation can be use again for 100% of his capacity. She makes the pipe basically stronger than it was originally. Besides this we can perform this repairs without interrupting the production process.

The materials can be used on carbon steel, stainless steel and fiberglass; both above- and underground.

- The lifetime of the repair is around 50 years.
- More than 1.5 million repairs were performed successfully worldwide.
- In the Benelux Veltec NV operates directly under the sole stock holder of Clock Spring materials in Europe (Interseal),
- We guarantee a fast and professional service and we avoid unnecessary loss of production

Permanent pipeline repair

- $\circ \quad \text{Quick installation}$
- No hot work
- No production loss
- No effect on the cathodic corrosion protection systems
- Gets the load of the 'defective part'
- Environmentally friendly and harmless, even during installation
- Prevents further corrosion on the outside
- Different applications (offshore, above and underground, underwater

Permanent pipeline repair

Pipe support Diam. from ¾ " to 56"

Composite sleeve Diameter from 4 "to 56" Temperature resistance up to 120 ° C Suitable as a permanent repair with wall thickness Suitable as a permanent repair with wall loss up to 80% Pressure resistance 600 bar Lifetime up to 50 years

Snap Wrap

Diameter from ³/₄ " to 56" Temperature resistance up to 120 ° C thickness loss up to 90% Pressure resistance 34.5 bar Lifetime up to 50 years

Clock spring Contour Diameter unlimited Temperature resistance up to 215 ° C Suitable for wall thickness loss up to 100% Pressure resistance 34.5 Bar Lifetime up to 20 years ISO TS24817 and ASME PCC R & T Article 4.1

 \circ Max. Presure 220 bar

◦ Max. Temp 700 °C

- o Sealing clamps design
- Sealing clamps calculation (by Prestofuites France)
- Sealing clamps manufacturing
- Sealing on flanges, pipes, valves, stuffing boxes

Testing and plugging of heat exchanger tubes

Exchanger beam

o For all tube sizeso Different material types

Hot-taps and freezing

○ Hot Taps

Range: till diam. 1524 mm Presure: 100 max. bar Temp.: max.100 °C

Freezing
 Range: till diam. 762 mm
 Presure: max. 100 bar
 Temp.: max. 25°C

Contact

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