



ברלין טכנולוגיות בע"מ  
שדרות גן רווה 13, יבנה, 8122214  
<http://www.berlintech.co.il/>  
[mail@berlintech.co.il](mailto:mail@berlintech.co.il)  
טלפון: 08-6638100  
פקס: 08-6638120

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# Company Presentation

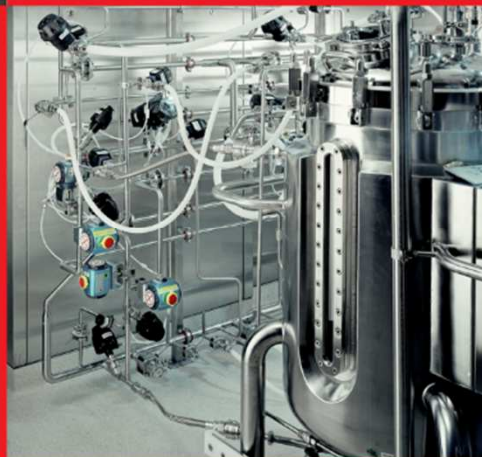
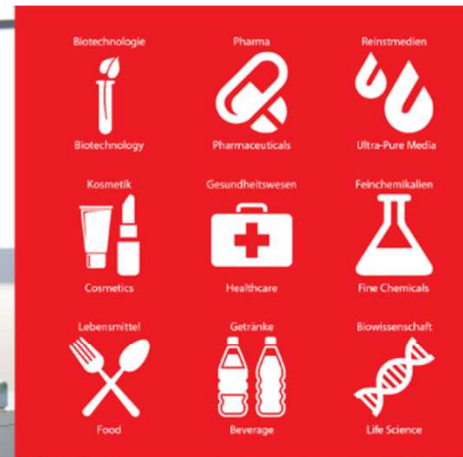
# Vision

Sterile Technology – without compromise

- ✓ liquitec is a specialist in the area of sterile process components for pharmaceutical process applications.
- ✓ We design and build products that are leading in terms of functionality, safety and maintenance friendliness.
- ✓ We act flexibly and customer-oriented at all times.
- ✓ With our sterile process components, we guarantee our customers safe, reliable and cost-effective processes.

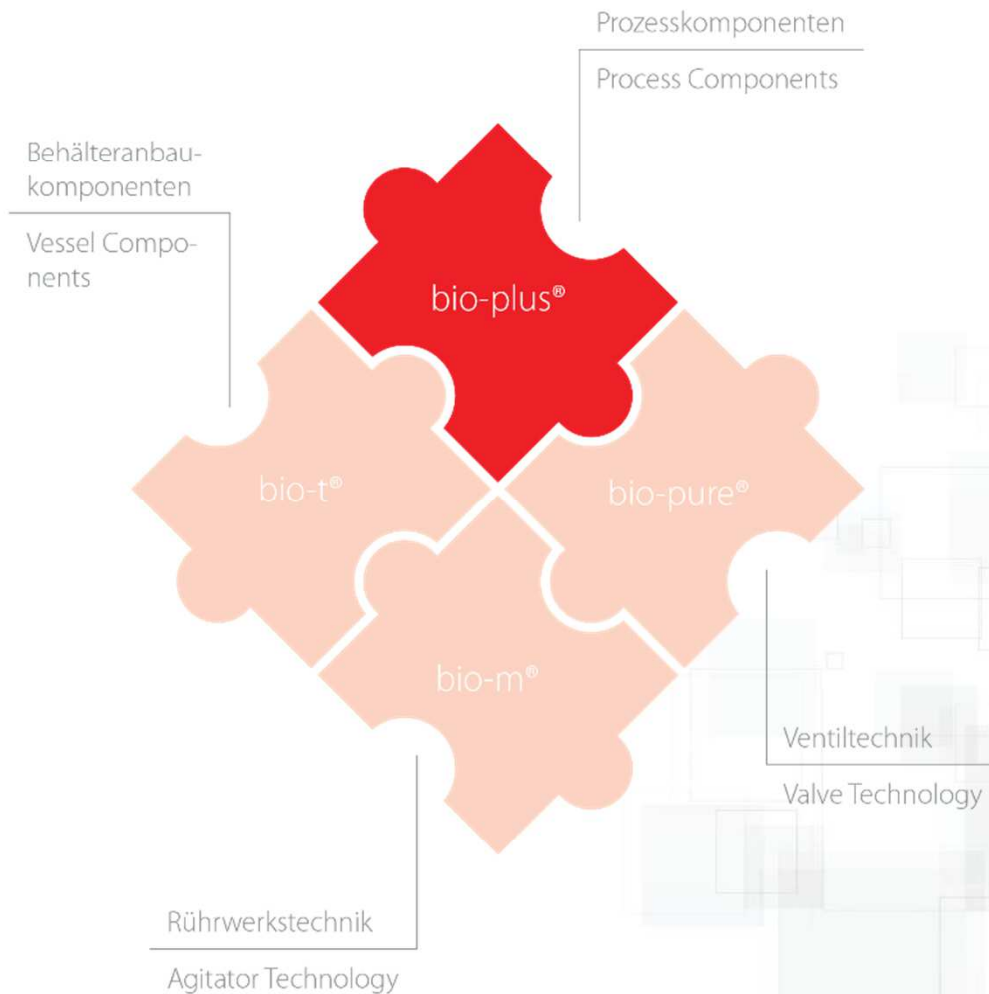
# Sectors





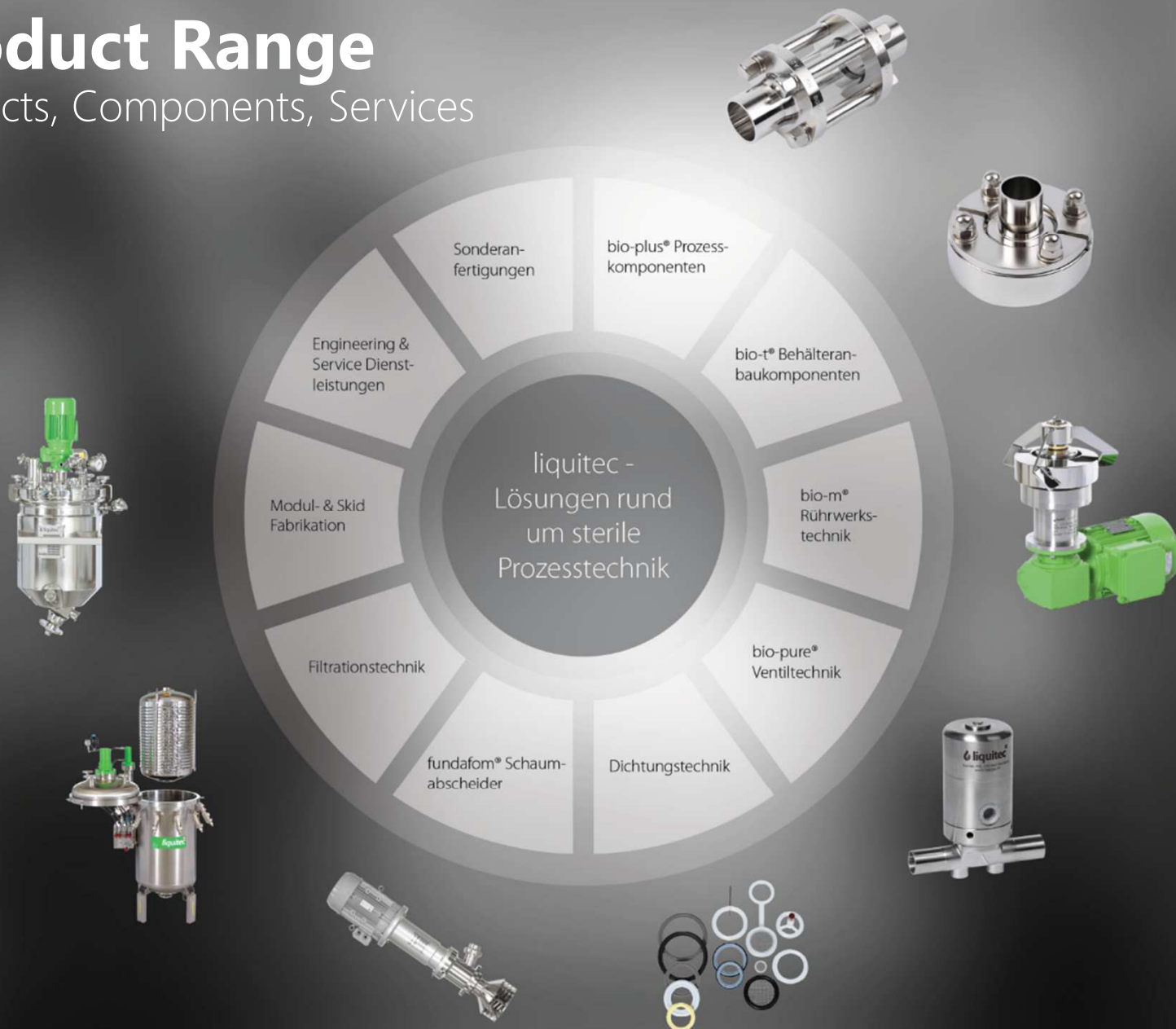


# Bio Modular System



# Product Range

Products, Components, Services



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# Process Components

bio-plus®



All products in Standard  
DIN, ISO & OD

- ✓ Process Unions
- ✓ Filter Screen & Orifices
- ✓ Process Hoses, Hose Fittings
- ✓ Hose Service
- ✓ Line Sight Glasses, Standard & Full View
- ✓ Ball-, Disc- & Compact Non-return Valves
- ✓ Excentric Non-return Valves
- ✓ Tube Fittings
- ✓ Special Products, BBS compatible products

# Vessel Components

bio-t®



## All around the vessel

- ✓ Vessel Clamp Flanges
- ✓ Vessel Block Flanges
- ✓ Tank Nozzle
- ✓ Vessel pass trough
- ✓ Ingold System 19mm, 25mm & 40mm
- ✓ Vessel Sight Glass
- ✓ Cover Lifting Device
- ✓ Hand Port for Vessels
- ✓ Special Products



# Mixing Technology

bio-m®



bio-m® Magnetic Mixing Technology – 1. Choice for the sterile process technology

- ✓ Volumina 2L – 50'000L
- ✓ Perfecte Steril Design
- ✓ 1000x approved
- ✓ Bottom Magnetic Agitator BMA
- ✓ Bottom Magnetic Agitator for fermenter bioreactor BMAF
- ✓ Top Mounted Magnetic Agitator with internal bearing TMAi
- ✓ Top Mounted Magnetic Agitator with external bearing TMAe
- ✓ Agitators with mechanical seals
- ✓ Static Tubular Mixers

# Hose Technology

bio-plus®



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## bio-plus® Hose Technology

- ✓ Specialist in sterile hose design & supply
- ✓ Partner with Tudertechnica / IT

- ✓ Own fitting fabrication
- ✓ PTFE, Silicon & PTFE Atex Hoses
- ✓ Wide range of Accessories
- ✓ Identification System

# Seal Technology

bio-plus®



## bio-plus® Seal Technology

- ✓ Specialist in sterile seal design & supply
- ✓ Garlock Product Range
- ✓ Special Design Seal

- ✓ Special Seals up to Ø1200mm
- ✓ Process Hoses incl. Accessories
- ✓ Spare Part Service
- ✓ Identification System

# Valve Technology

bio-pure®



## bio-pure® Diaphragm Valve

- ✓ Fastest Diaphragm Exchange
- ✓ Defined Diaphragm Compression
- ✓ +25% KVS Value
- ✓ 2Mio. Strokes

- ✓ Diaphragm Valve
- ✓ T- Diaphragm Valve
- ✓ Bottom Diaphragm Valve
- ✓ Diaphragm Block Valves
- ✓ Sample Valves
- ✓ Piston Valves

# Foam Destroyer

fundaform®



Solution for difficult  
process tasks

- ✓ Approved Technology
- ✓ Efficient Foam Separation
- ✓ 9 Sizes

- ✓ Fermentation
- ✓ Chemical Industry
- ✓ PVC Manufacturing
- ✓ Pigment Manufacturing
- ✓ Methionin
- ✓ Vacuum Destillation, - Aeration

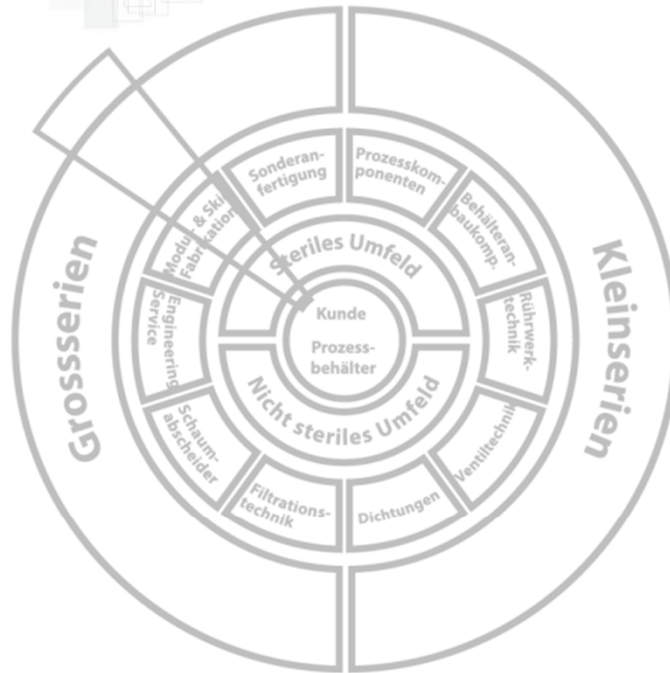


# Engineering & Services



## Sterile Technology

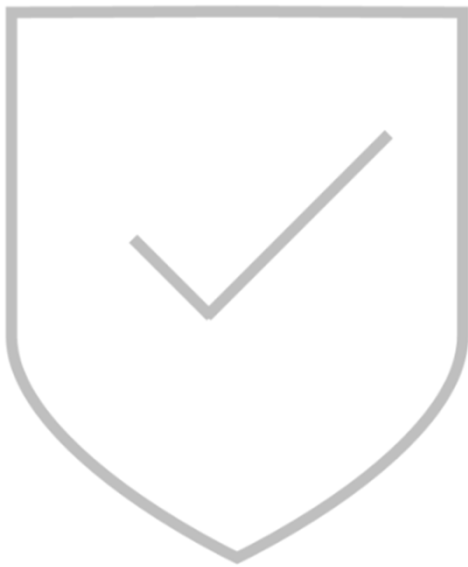
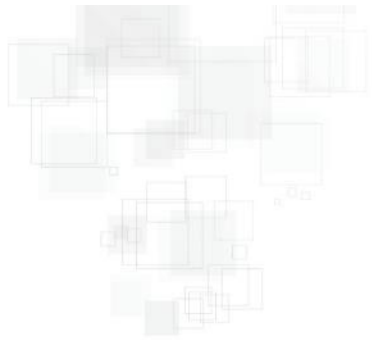
- ✓ Customer Specific Products
- ✓ Skid Fabrication
- ✓ Functional Units
- ✓ Technical Consulting
- ✓ CAD – Construction Services
- ✓ CFD – Fluid Calculation
- ✓ FEM – Strength Analysis
- ✓ Service & Maintenance



## 01

## Unmatched Variety & Quality of the product range

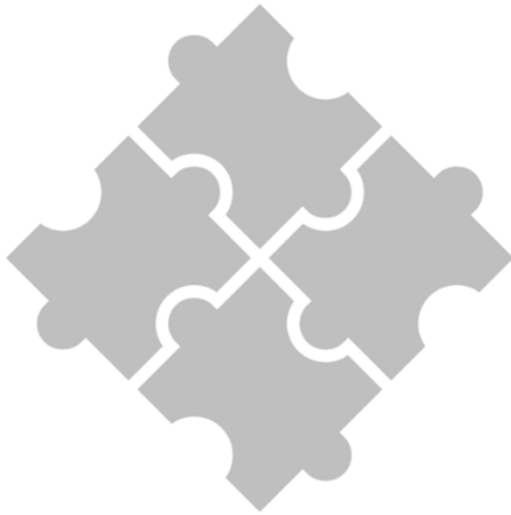
As an end-to-end supplier in the field of special processing, our product range ranges from process components through filtration technology to special solutions of the highest quality.



## 02

### Highest process reliability guaranteed!

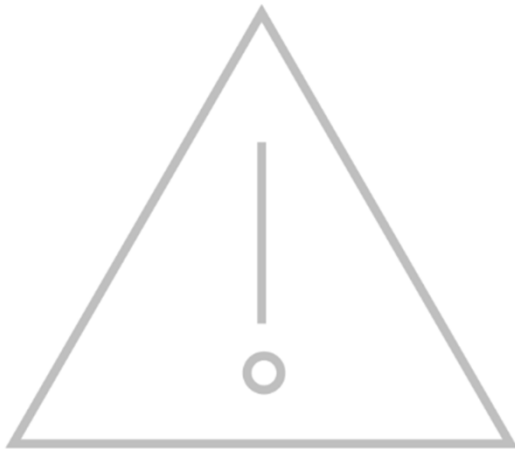
Due to the consistent application of quality processes as well as numerous certified special tests (FDA, Swiss TS, EHEDG, 3A & ASME BPE) we do provide the highest process reliability and 100% product tracking.



# 03

Maximum flexibility and economic efficiency with our bio-modular system!

The unlimited combinability of our bio-modular component system stands for highest energy efficiency, user-friendliness and maintenance-poor application.



# 04

Developed for the use in the most demanding environments!

liquitec products are used for the transport of the most aggressive, difficult and sensitive media.





# 05

## Improved Energy Efficiency

Due to the optimal use of material and the concerted use of liquitec components the system is optimized in relation to heat-up and cool-down characteristics and is therefore energy saving!

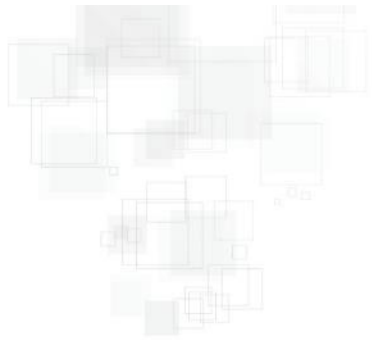


# 06

## Best product service due to our Quality Management System

We assure our customers optimal service and best quality in the field of sterile technology.

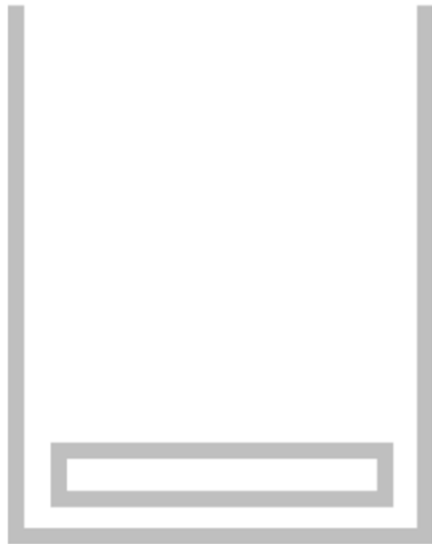
We are demanding highest quality and want to achieve highest customer satisfaction!



# 07

## DIN, ISO, OD & SMS conforming to standards

Of course we fulfill all important Certifications & Standards and our products are proven by numerous special tests.



# 08

## Even small series & custom – made products

Should we not be able to fulfill your requirements with our wide range of standard components, we build and realize your process solution in small- series or custom built design.



# 09

Many years of experience in the field of sterile process technology!

Our employees have comprehensive industry know-how and many years of experience in the field of sterile technology.





# 10

Gap-free, self-draining,  
traceable and CIP / SIP  
compatible

All liquitec products are designed for perfectly  
CIP / SIP cleanability.

# References

Partial extract from the reference list



# Contact

liquitec AG  
Industrie Neuhof 54  
CH-3422 Kirchberg  
T +41 55 450 83 00  
F +41 55 450 83 01  
info@liquitec.ch  
www.liquitec.ch