



Franz Ziel GmbH

Headquarter:

Billerbeck, Deutschland

Sales Office South:

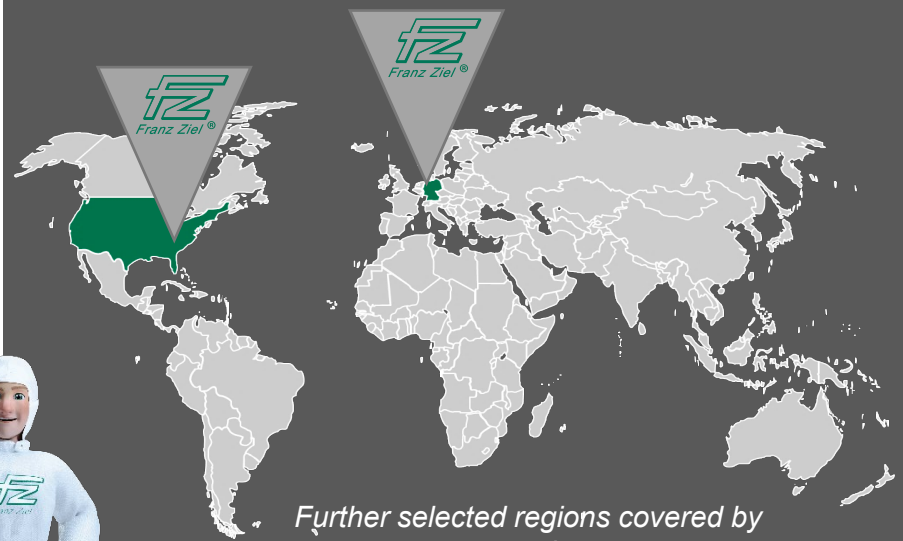
Ilshofen, Deutschland

Located in immediate proximity of
the global leaders in pharmaceutical
processing equipment

Franz Ziel USA Inc.

Rock Hill, South Carolina
USA

German – USA products
with direct support services in USA



100%
Manufacturing
in Germany



Locations

Plant 4

- Plot 4.000 m²
- Production 1.200 m²
- Office 1.200 m²

Plant 3

- Plot 4.350 m²
- Production 1.500 m²
- Office 2.200 m²

Plant 2

- Plot 4.350 m²
- Production 1.500 m²
- Office 350 m²

Extensibility Options

- Plot (proprietary possession) 4.000 m²
- Plot (preemptor) 2.800 m²
- Plot (preemptor) 14.000 m²



Car Park

- Plot 4.500 m²

Plant 1

- Plot 4.600 m²
- Production 1.650 m²
- Office 400 m²

General Overview:

- *Plot 25.800 m²*
- *Production 5.850 m²*
- *Office 4.150 m²*



Plant 1



Plant 2



Plant 3



Plant 4



All Plants

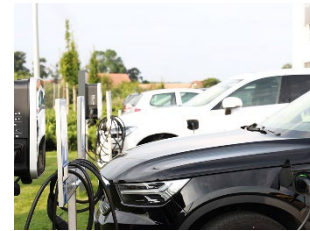
- Leading provider in „Pharmaceutical Contamination Control Technology“ (Isolators, cRABS, LAF systems etc.)



- Fulfillment of the highest cGMP Compliance demands of the pharmaceutical industry („Big Pharma“)



- Sustainability (climate protection, education, appreciation, diversity, health etc.)



- Founded in 1982 by Mr. Franz Ziel
- Pioneer in the field of cleanroom technology in Germany
- Biggest German Isolator / RABS manufacturer
- Specialized in innovative customized and standard equipment
- Focused on GMP Compliance Services

40 +

Years of experience

230

Employees

34

Nations have been supplied

100 %

*Products for the
pharmaceutical industry*



Ralf Eßling
COO

Olaf Ziel
CEO

*100% Family-
owned Company
operating in the
2nd Generation*

PROTECTING LIFE WITH TECHNOLOGY



Achievement of the yearly defined total order quantity by means of customer oriented and entrepreneurial acting



Top Quality and
competitive Prices



Sustainability



Innovation

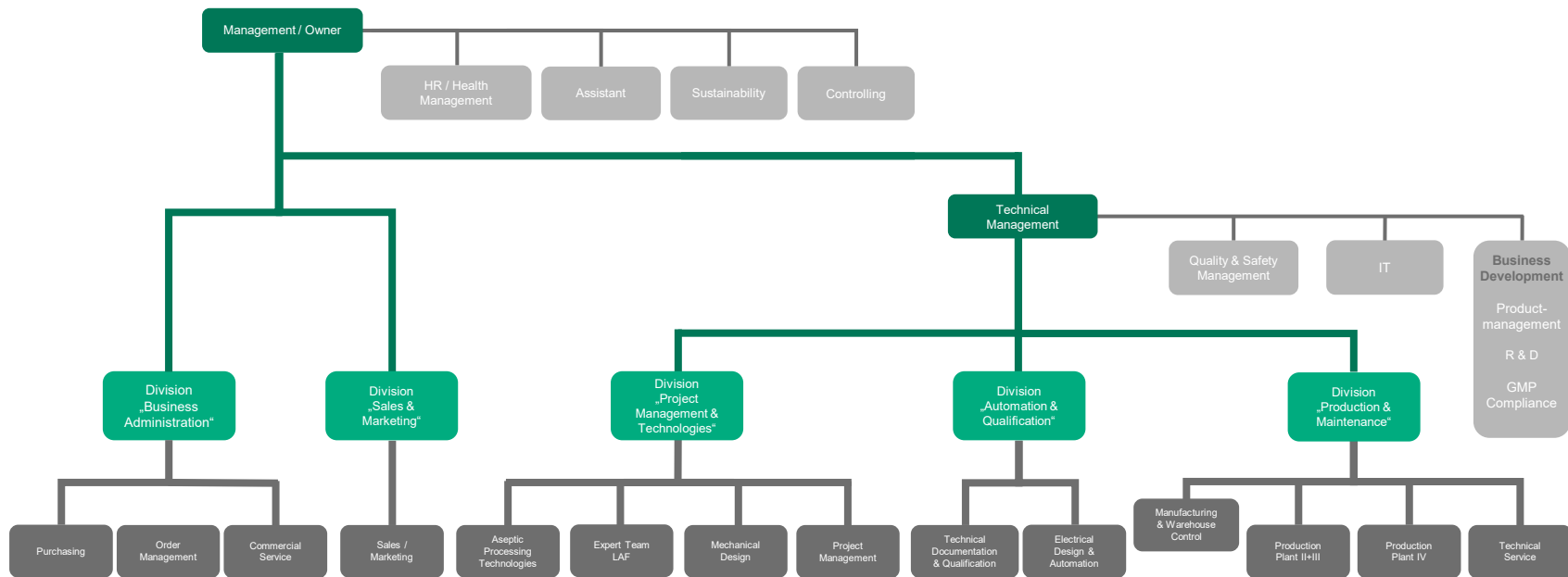


Optimal
Digitisation

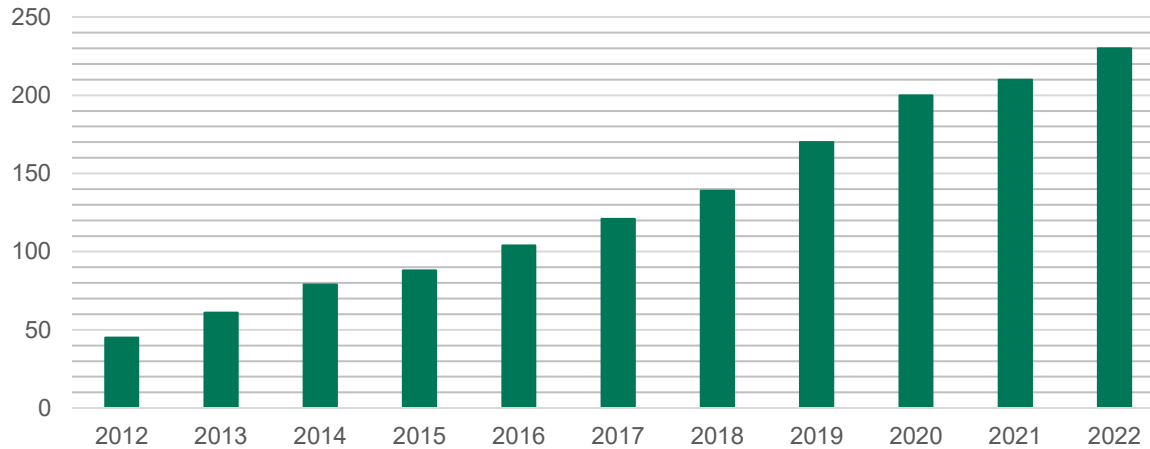


Top 1 Employer in the
Area

Strategic Aims



Continuous Growth



*Average
Employee Age:
35 Years*



Employees

Our Training Professions/ Dual Degree Courses

- Electronics technician for automation and systems technology (m/f/d)
- Technical product designer for machine and plant design (m/f/d)
- Mechatronics engineer (m/f/d)
- Industrial clerk (m/f/d)
- Warehouse logistics specialist (m/f/d)
- Dual study programme in electrical engineering (m/f/d)
- Dual study programme in mechanical engineering (m/f/d)



*Aim: At least 10%
Trainees*



„ZEAL“

Definition:

Enthusiastic dedication to a matter, an ideal or an aim = „Ziel“!

Our mascot Zeal stands for our company values and the cornerstones of our corporate culture:

Protection, purity, sterility, reliability, trustworthiness, technology, professional superiority, sovereignty.



We introduce: Zeal our Company Mascot!



James L. Drinkwater PE

*Franz Ziel Head of GMP
Compliance and Aseptic
Processing Support*



Dr. rer. nat.
Birte Scharf

*GMP Compliance
and Aseptic
Processing Support*



Dr. rer. nat.
Hussein Bachir

*GMP Compliance
and Aseptic
Processing Support*



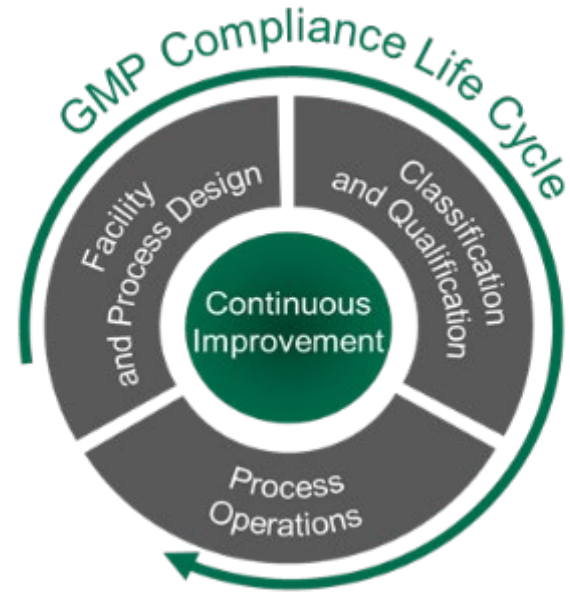
Dr. rer. nat.
Marina Gole

*GMP Compliance
and Aseptic
Processing Support*



Contamination Control from the Start

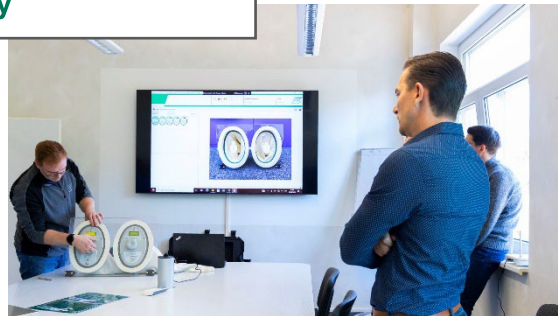
- Process integration / review
- Support at URS generation
- GMP Compliance gap analysis
- Support at CCS creation
- Support at risk assessments
- Support at project related developments
- Qualification and training support during the entire project





ZieLEARNING

Franz Ziel Academy



Modern premises for internal and external trainings (product, GMP Compliance etc.)



ZieLearning: Franz Ziel Academy



Users of the LMS system have their own digital study environment where e-learnings can be performed

GMP Compliance Service



Isolator / RABS



LAF Systems



Material Transfer



Aseptic Processing
Technologies



Accessories



Technical Service

Technical
Products
(Hardware)



Rapid Decon Hatch
for In-line-Sterilisation



Glove Testing System
(FZ-GTS 4.0)



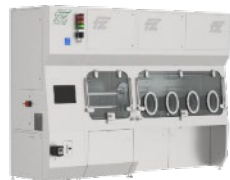
LAF-units to provide a protective
(localised) unidirectional Airflow
(UDAF)



Rapid Decon Station
for Off-line-Sterilisation



Isolator



Isolator
for Sterile Tests



Technical Support, Service, Calibration,
ISO 14644 Measurements



GMP / FDA
compliant vH_2O_2 Cycle
Development



CFD-Simulation



GMP Compliance Training
„Know-How-Transfer“



Microbiological Laboratory Services
 vH_2O_2 studies

Services



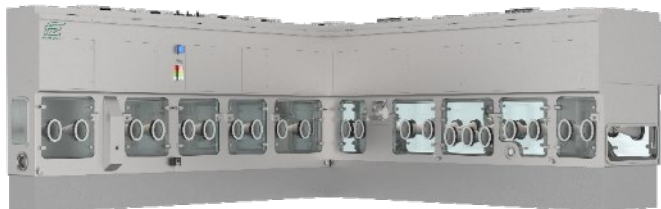
All-embracing Systems



Isolator for Personal Protection



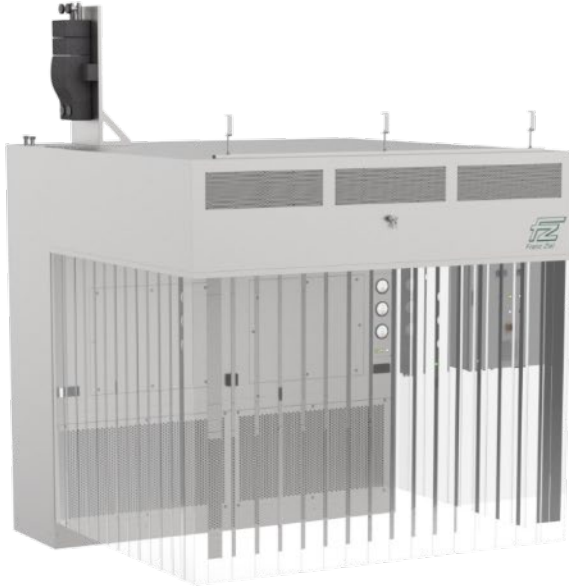
Isolator for Personal- and Product Protection
(Filling machine / Lyophilizer)



Isolator for Product Protection
(Filling machine / Lyophilizer)



Isolator for Sterile Tests



LAF Weighing Booth



LAF Unit



Rapid Decon Hatch
(vH₂O₂)



Rapid Decon Station
(vH₂O₂)



Sterilisation
Tunnel



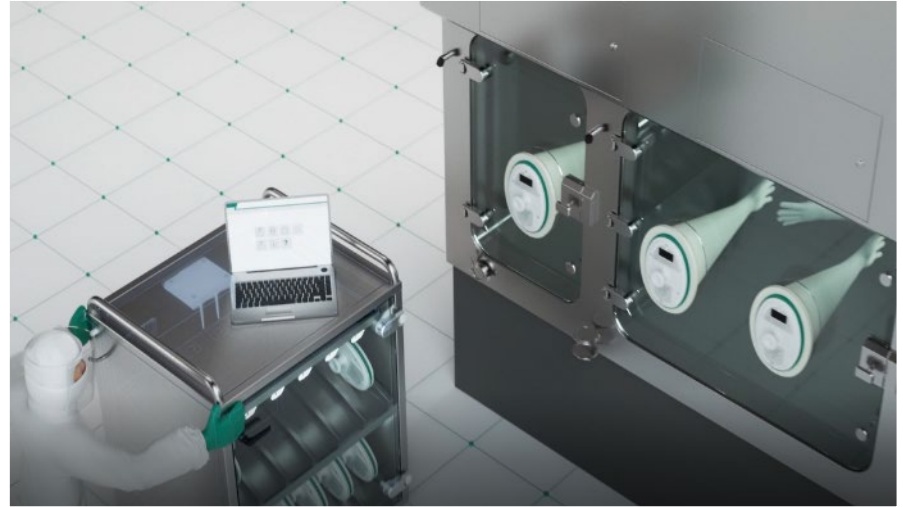
LAF Trolley
(battery operated)

- Analytic vH_2O_2 studies
- Examination of biological indicators (BPQ)
- Cycle development (vH_2O_2 bio-decontamination)
- No-touch-transfer qualification
- Risk assessment environmental monitoring
- Support in the preparation of the Contamination Control Strategy
- GMP Compliance training

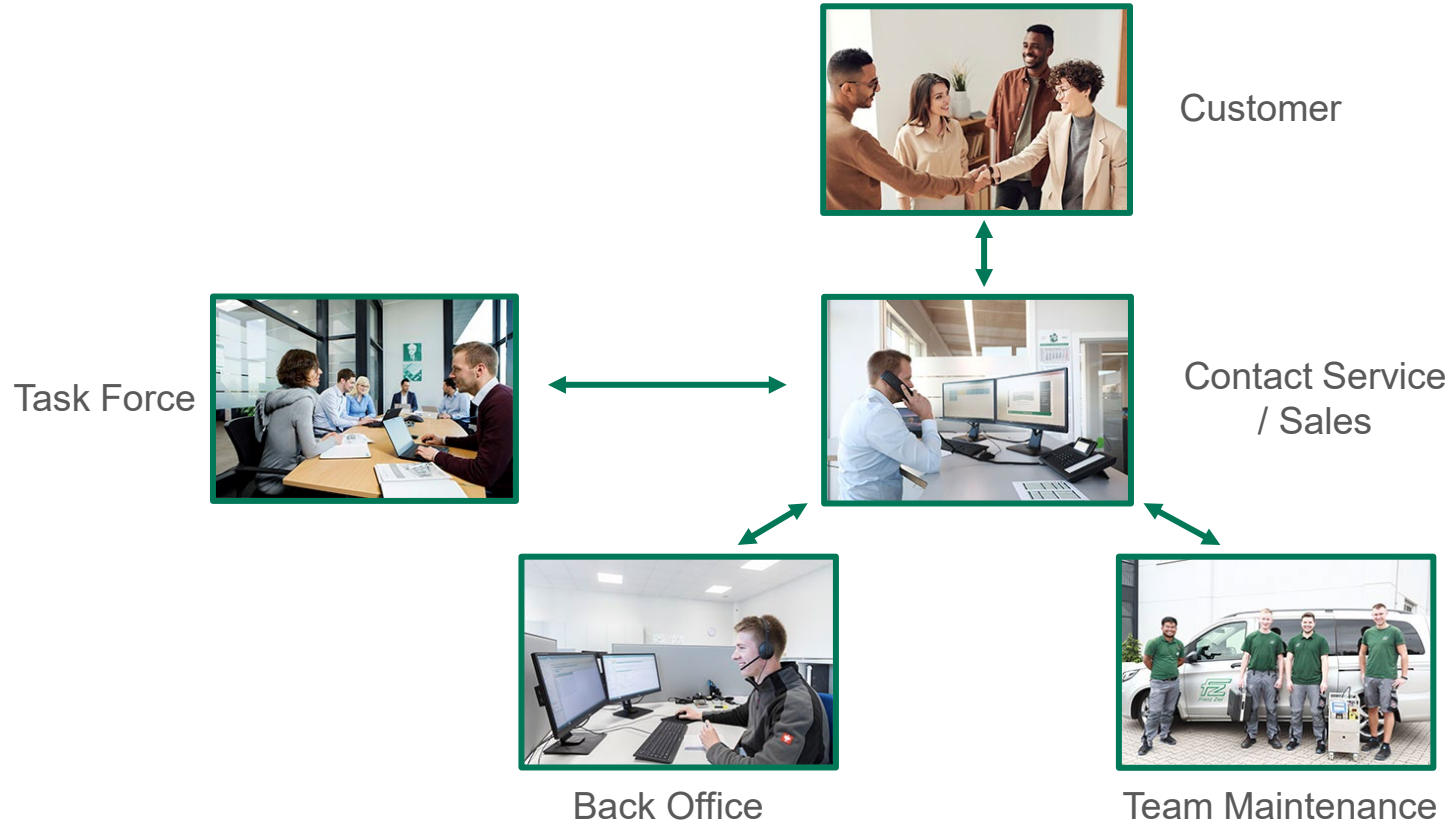


FZ-GTS 4.0

- Server client solution
- Active directory
- OPC UA/ SCADA
- Multiple glove testing (WLAN)
- Audit trail
- GAMP 5
- CFR21 part 11 compliant
- Batch reports (integrated in Isolator report)



Our Service DNA: Customer First!



BAUSCH+STRÖBEL

LS BÖHLE

CHRIST

Flexicon
Liquid Filling

GEA
Engineering
for a better
world.

groninger

HH Harro Höfliger

HOF

IMA
Sustain Ability
SPA

KÖRBER

OPTIMA

PLÜMAT
Packaging systems

RYCHIGER

ROTA

References

FZ
Franz Ziel®

Partner & OEMs



References
(Excerpt)



Customers

In accordance with our guiding principle „**PROTECTING LIFE WITH TECHNOLOGY**“ our work is inspired by the 17 global aims listed in the UN-Agenda 2030 for sustainable development:



Energy

- Use of heat pump technology
- Reduction of CO² footprint through photovoltaics
- Environmental protection through energyefficient plants
- Reduction of air travel
- Electrical (hybrid) company cars
- Possibility of e-bike leasing by employees
- Objective for 2023: Ascertaining of direct and indirect greenhouse gas emissions



Employee Well-Being and Health

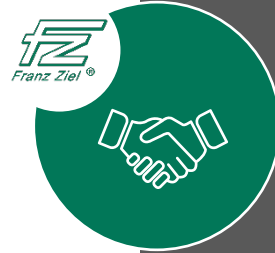
- Remote working options
- Excellent workplace conditions
- Active health management
- Occupational safety management
- High-quality employee training



Sustainability

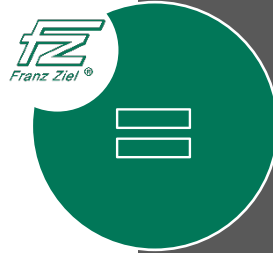
Societal Responsibility

- Investment in education
- Social commitment
- Assumption of responsibility in times of crisis
- Data protection
- Know-how transfer via LMS



Corporate Culture

- Open minded culture of error
- Equality and diversity
- Promoting of teamspirit
- Creation of meaning & strengthening of competence
- Hybrid project management





GMP Compliant Solutions for Barrier Technologies and Environmental Control of Pharmaceutical Processes

Thank you for your attention!

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