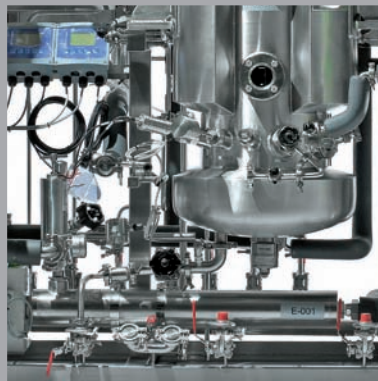
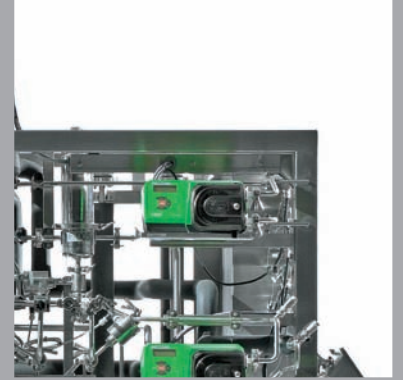


# Outstanding services

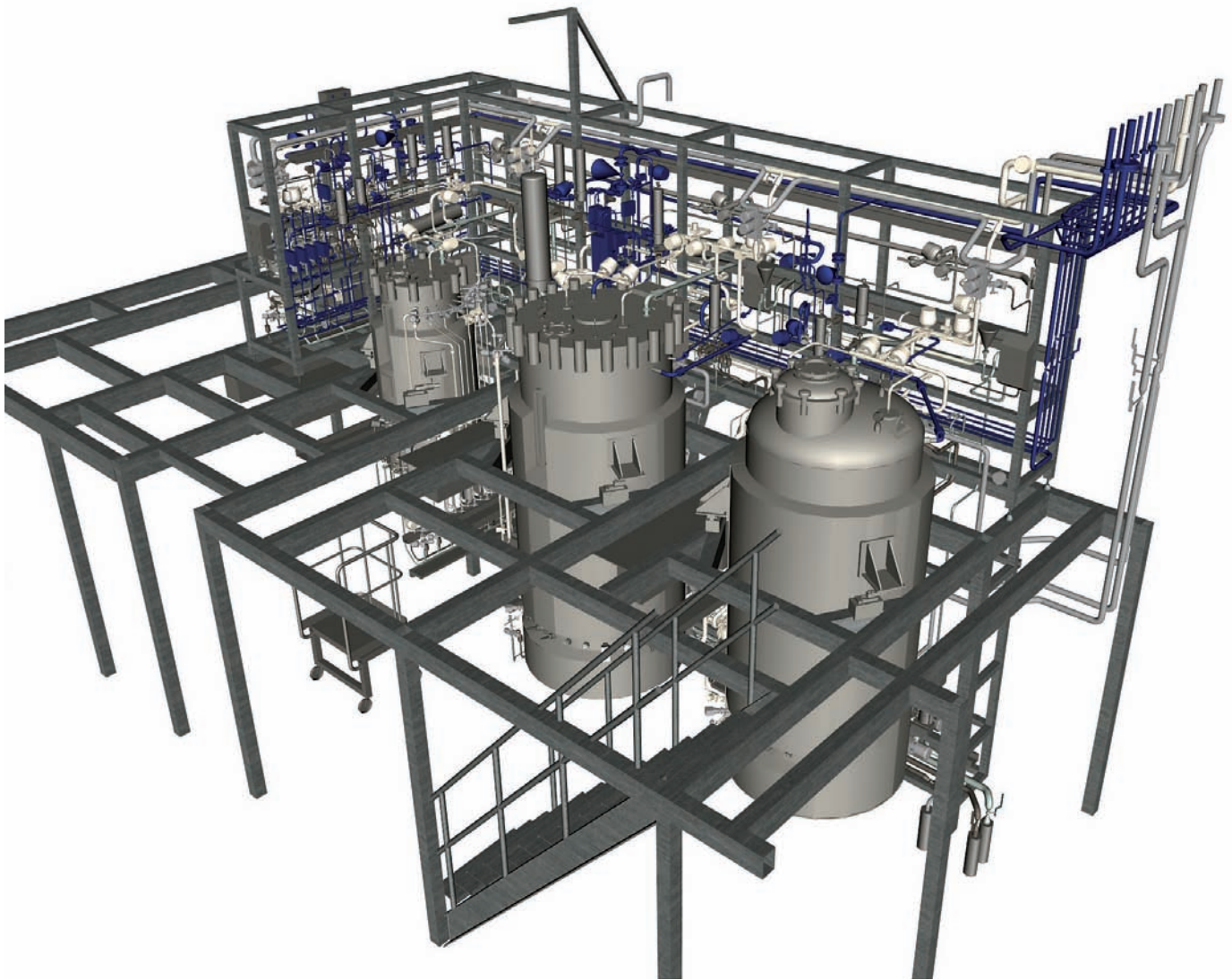


Bioreactor systems  
Fermentation equipment

Plants, systems and equipment for

- biotechnology
- pharma
- fine chemicals

Your  
experienced  
partner!



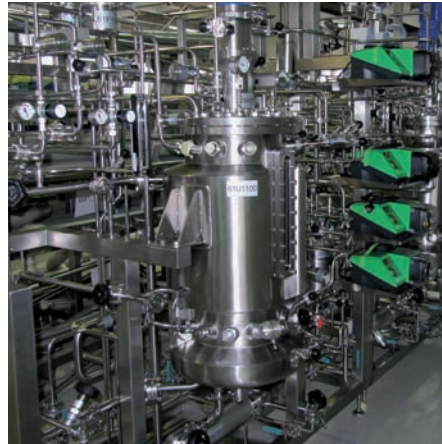
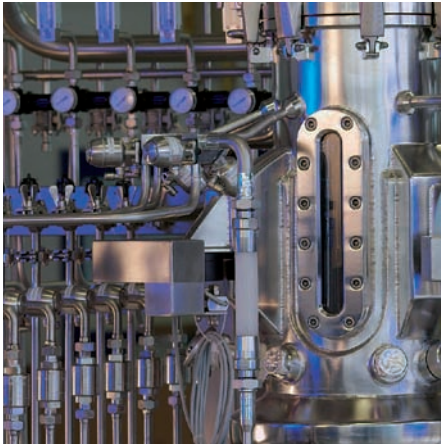
We at BIS Industrietechnik Salzburg have many years of experience in planning, fabricating and installing of customized and tailor-made bioprocess equipment such as bioreactors, media preparation and storage systems as well as CIP/SIP systems.

Designed as self-contained, frame mounted systems, these skids and superskids are fabricated in our workshop in Salzburg which is fully equipped with state-of-art machinery and technology, allowing fabrication according to cGMP and hygienic design requirements.

Our process-oriented project management and coherent quality assurance system enables us to realize your project fully matching your specifications and to meet even the most challenging milestones and timelines.

**BIS Industrietechnik Salzburg—  
your experienced partner for**

- bioreactor systems
- fermentation equipment
- media preparation and storage systems
- CIP/SIP systems
- waste water treatment systems



## BIS Bioreactor—our new product line

The **BIS Bioreactor** represents the essence of our expert knowledge and has been designed with the utmost care. It is built using high quality, state-of-art components and is equipped with user-friendly E/I&C, automation and software.

Whether for bacterial or cell culture, **BIS Bioreactor** offers the right solution. The bioreactors have been designed in a modular way, allowing you to choose from a large variety of options and thereby adapting the bioreactor to your specific needs.

[Contact us for your tailor-made offer!](#)

### Vessel

- Working volume: 15/30/60/120/250/500/1000/2500 l
- H:D = 3:1/2:1
- Material AISI 316 L
- Surface 0,8 µm e-polished
- Sight glass with illumination
- Agitator with 6-blade/marine impeller
- Bottom/top drive
- Shaft with double mechanical seal / magnetic coupling
- Open/closed sampling system
- Bottom drain valve

### Heating/cooling

- Closed loop system with heat exchanger for steam and circulation pump
- Electrical heater

### Exhaust air

- Exhaustfilter 0,2 µm
- Heater
- Reflux cooler

### Aeration

- Gas-mixing station
- Massflow controller
- Aerationfilter 0,2 µm
- Sparger for submerge aeration
- Surface aeration

### Measurement and controls

- rpm
- Pressure
- Temperature
- Anti-Foam
- Level
- pH
- DO
- Conductivity
- Weight
- etc.

### Feeding

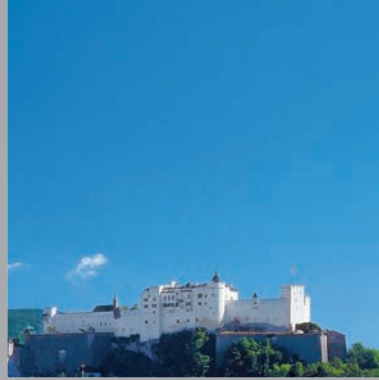
- 4 peristaltic pumps for pH and media

### SIP/CIP

- Manual or fully automatic SIP and CIP



# Solutions for Industrial Services



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