

NEUSCHWANSTEIN CASTLE



***Power Supply Solutions***

***Innovation and Quality  
from Germany and Austria***

www.artconcept-werbeagentur.de



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***Innovation and Quality***

► **COMPANY PROFILE**



The GUSTAV KLEIN company was founded in Schongau, Germany, in 1948. In 1969 a subsidiary factory was opened in Inzing, Austria, west of Innsbruck. The GUSTAV KLEIN company has 240 employees in the two factories.



## In House Competence by

- 1 Development
- 2 Production
- 3 Testing
- 4 Service
- 5 More than 65 years experience



**Dipl.-Ing. Günther Stensitzki**  
President and owner

For more than 65 years Gustav Klein is producing power supplies for industrial applications. Meanwhile we delivered 300.000 systems in 89 countries. Innovative technique and an outstanding standard of quality lead to a long lifetime and high availability.

By our long experience und via the flexibility of an in-house production, we are able to realise also complex project specific power supplies. Because of our continuous development of new products and applications we will also in the future be able to supply real secure systems.

## Milestones from 1948 until today

1948



Foundation Schongau

1969



Foundation Inzing

1970

First switch mode units

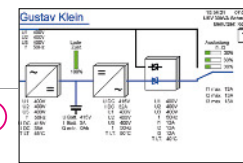
1996

IGBT UPS

1997

**BAYERNWERK**  
Energie fürs Leben  
first mains backing system with battery storage

2000



Touch Screen Display

2007

Battery simulation  
10 - 1000 V  
800 kW

2011



Mains Simulation

2012



First Multi-Channel-System 250 kW  
4x 800 V 800 A

2016

First Power Electronics for large storage  
> 10 MW





## Power Supply



## Test- and Simulation Systems

### Rectifier



- 24 V – 1000 V DC
- 5 – 1500 A
- Thyristor Rectifier
- Switch mode Rectifier
- Transistor Rectifier

### DC-Converter



- 24 – 1000 V DC
- 0.1 – 500 kW
- System power up to 1.5 MW

### Inverter



- Input voltage:
- 24 – 1000 V DC
- 1~ up to 200 kVA
- 3~ up to 500 kVA
- System power up to 1.5 MVA

### Industrial UPS



- 1~ up to 200 kVA
- 3~ up to 500 kVA
- System power up to 1.5 MVA

### Bidirectional AC-Source



- up to 1000 V AC
- up to 800 Hz
- up to 1.5 MVA

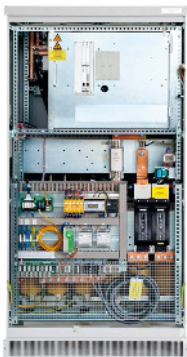
### Bidirectional programmable Battery tester



- 10 – 1000 V DC
- 10 – 500 kW single bloc

## Energy Storage Systems

### Frequency converter



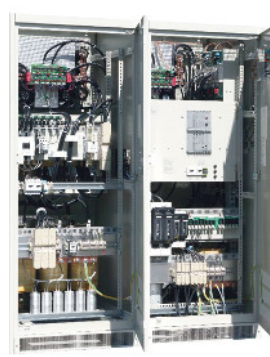
- 1 – 500 kVA
- 15 – 800 Hz

### Mains Voltage Regulator



- 1 – 1600 kVA

### BSV Systems



- 1~ up to 200 kVA
  - 3~ up to 500 kVA
- Special Power Supply for operating theater according to German Standard VDE 0558 - 507 and VDE 0100 - 710

### Active Infeed Converter



- 100 – 1000 V DC
- 40 – 500 kW single bloc
- optional parallel switchable
- Storage up to 1000 V DC

### Bidirectional DC-Source



- 5 – 1000 V DC
- 60 – 500 kW single bloc
- System power up to 1.5 MW

### Multi-Channel-System DC-Sources



- 5 – 1000 V
- 120 – 500 kW
- up to 1000 A



## References Industrial (Samples)



## References Test- and Simulation Systems



## Service and Quality

Based on our strong development team and long years of experience we will continue to grow via the combination of proven products and new developments. Specially by cooperation with strong medium sized partners we see a growing market for our products in the future.