



# Pfeiffer Vacuum

3rd ASPERA Technology Forum  
13 – 14 March 2012 *Lichtenberg-Haus, Darmstadt*

Company presentation

E. Nennstiel, Dr. R. Kerl

# Content

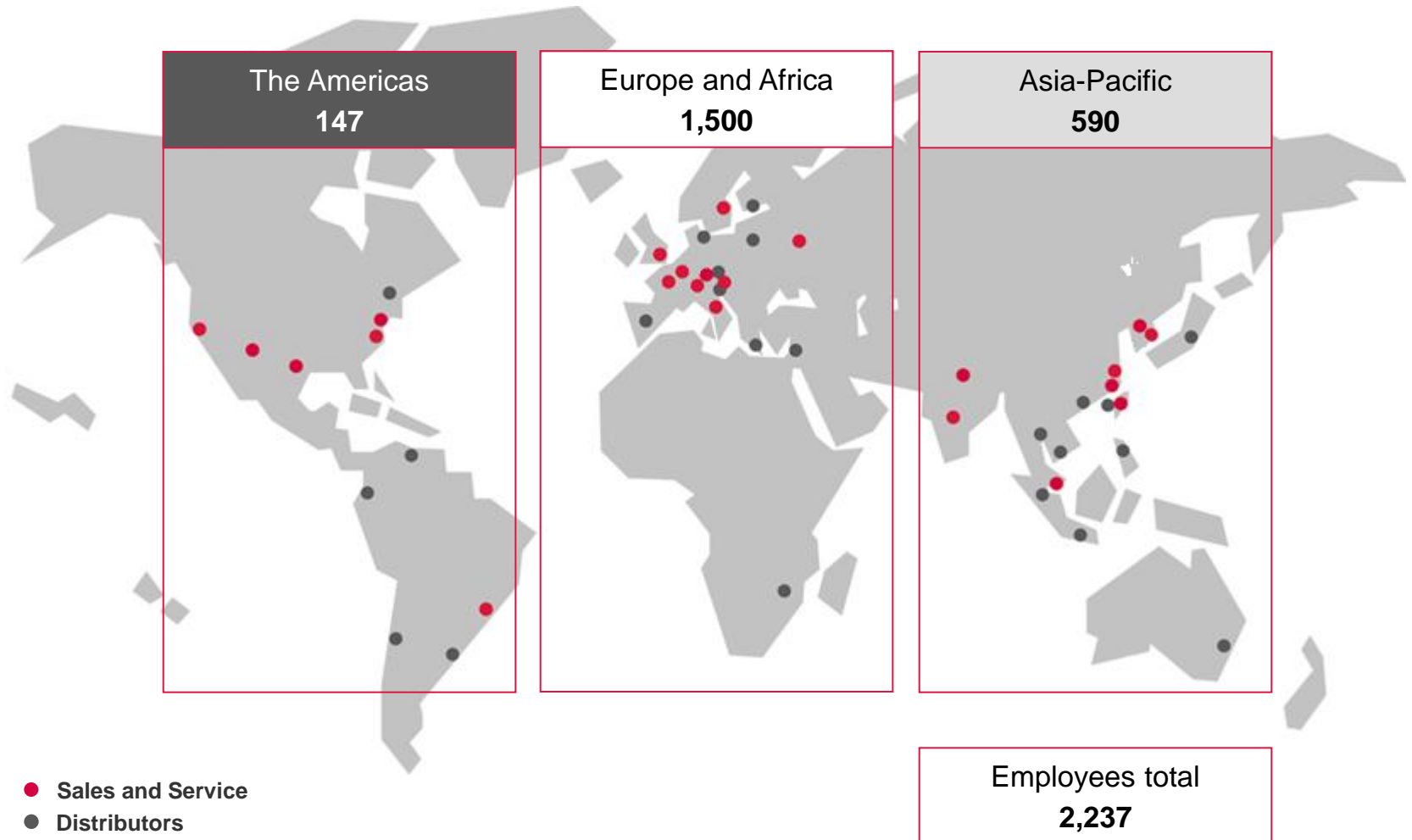
- Pfeiffer Vacuum at a glance
- Market segments
- Product portfolio – Vacuum solutions



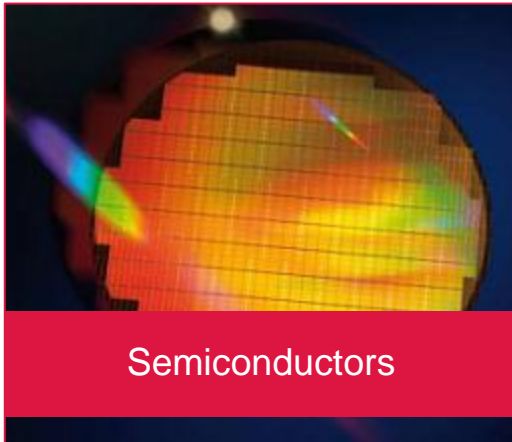
## Pfeiffer Vacuum at a glance

- For over 120 years has set the standards in vacuum technology
- Inventor of the turbopump
- Leading supplier for vacuum solutions for evacuation, measuring and analyzing vacuum
- Production plants in Asslar /Germany (Headquarters = HQ), Annecy/France, Asan/Korea, Goettingen/ Germany and Cluj/Romania
- Around 2,200 employees and 16 subsidiaries worldwide

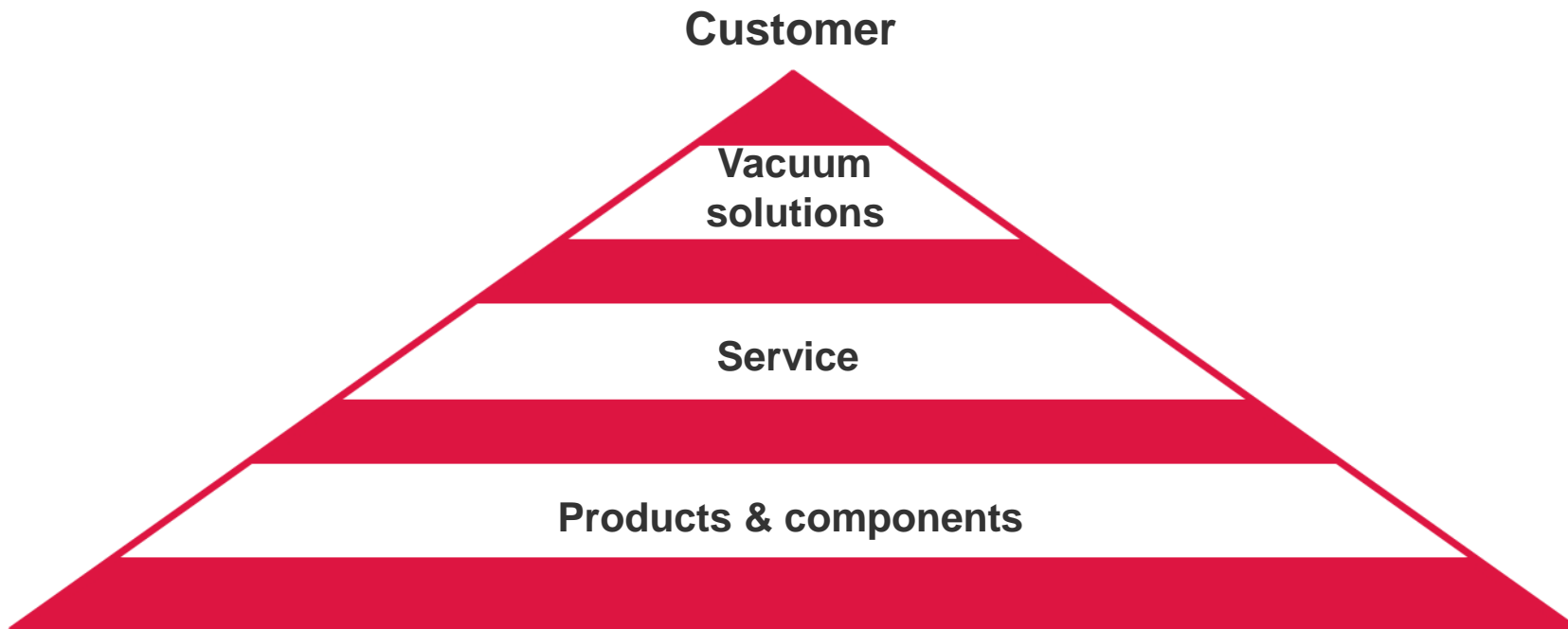
# Locations & employees worldwide



# Market segments



# Vacuum solutions



**Components Experience Quality Technology**



# Vacuum solutions



- Vacuum generation
- Vacuum measurement and analysis
- Vacuum components
- System technology

- Vacuum chamber
- Technical service & trainings
- Genuine parts and tools

Intelligent. Flexible. Efficient.



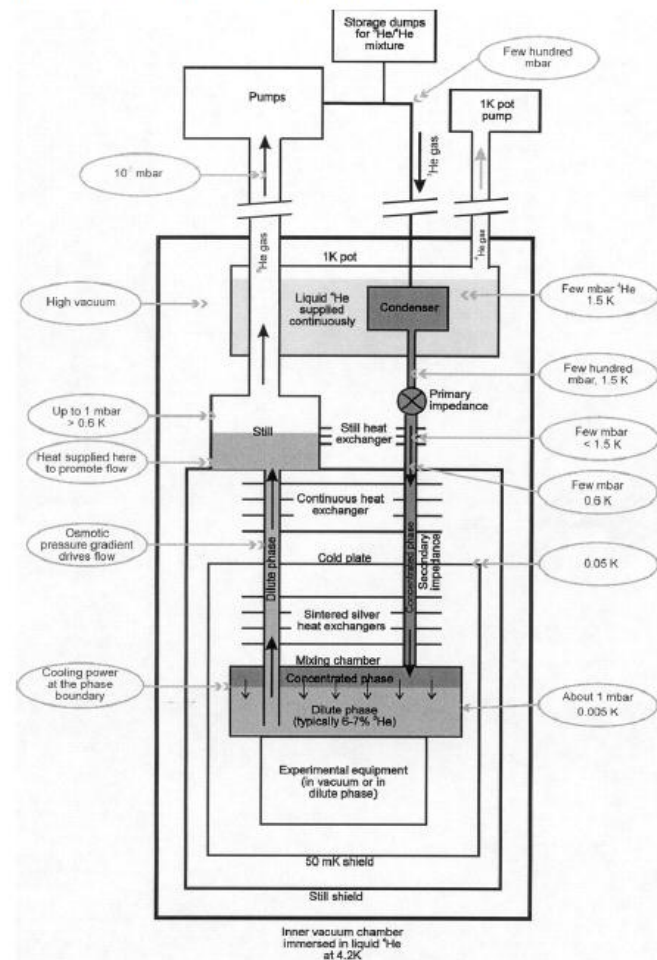


# Vacuum solutions, Example 1

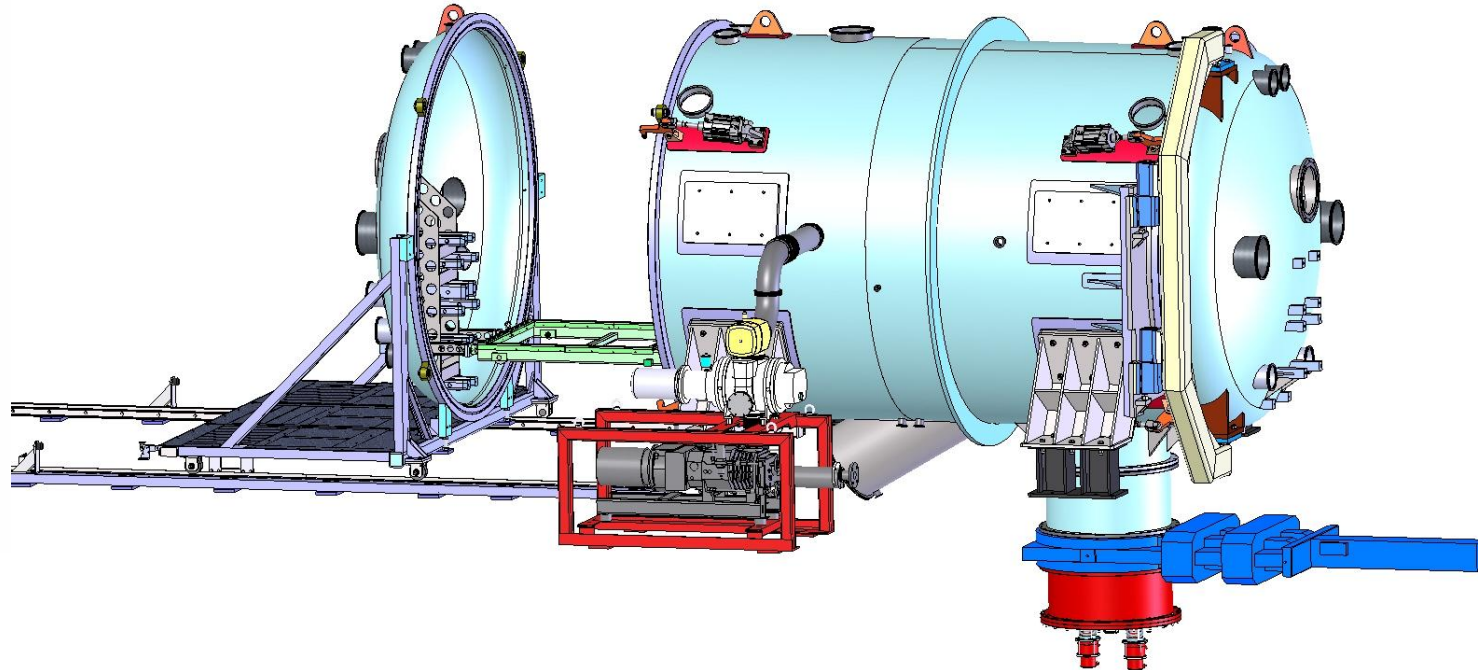
- dilution refrigerator (3He/4He)



Fig. 9: Schematic diagram of dilution refrigerator



# Vacuum solutions, Example 2



## Vacuum solutions, Example 2

### Some Facts

- Chamber for space simulation Ø2.500mm, length 4.750mm
- Track system inside, connected with the movable door
- Doors and flanges elastomeric sealed
- Pressure appr.  $1 \times 10^{-7}$  mbar
- Construction and mounting at Trinos
- Pumping Units: (Kryo, Backing Pumps by PV)

# Vacuum solutions

- [www.pfeiffer-vacuum.com](http://www.pfeiffer-vacuum.com)
  - eVacuum app for all iOS and Android devices
  - Know-how book
  - Online product catalog
  - Product selector
  - Application reports



A PASSION FOR PERFECTION

PFEIFFER  VACUUM

