

Company Profile

Kobold Group



Overview



Share holder: Dipl. Ing. Klaus Kobold

Date of foundation: 1980, January 1st (KOBOLD Messring GmbH)

Products: Process instrumentation for flow, level, pressure, temperature, food industries, and analysis technologies

Applications: All industries, e.g. machinery, chemical, petrochemical engineering, food & beverage, power & automotive industry, power stations, water-treatment plants

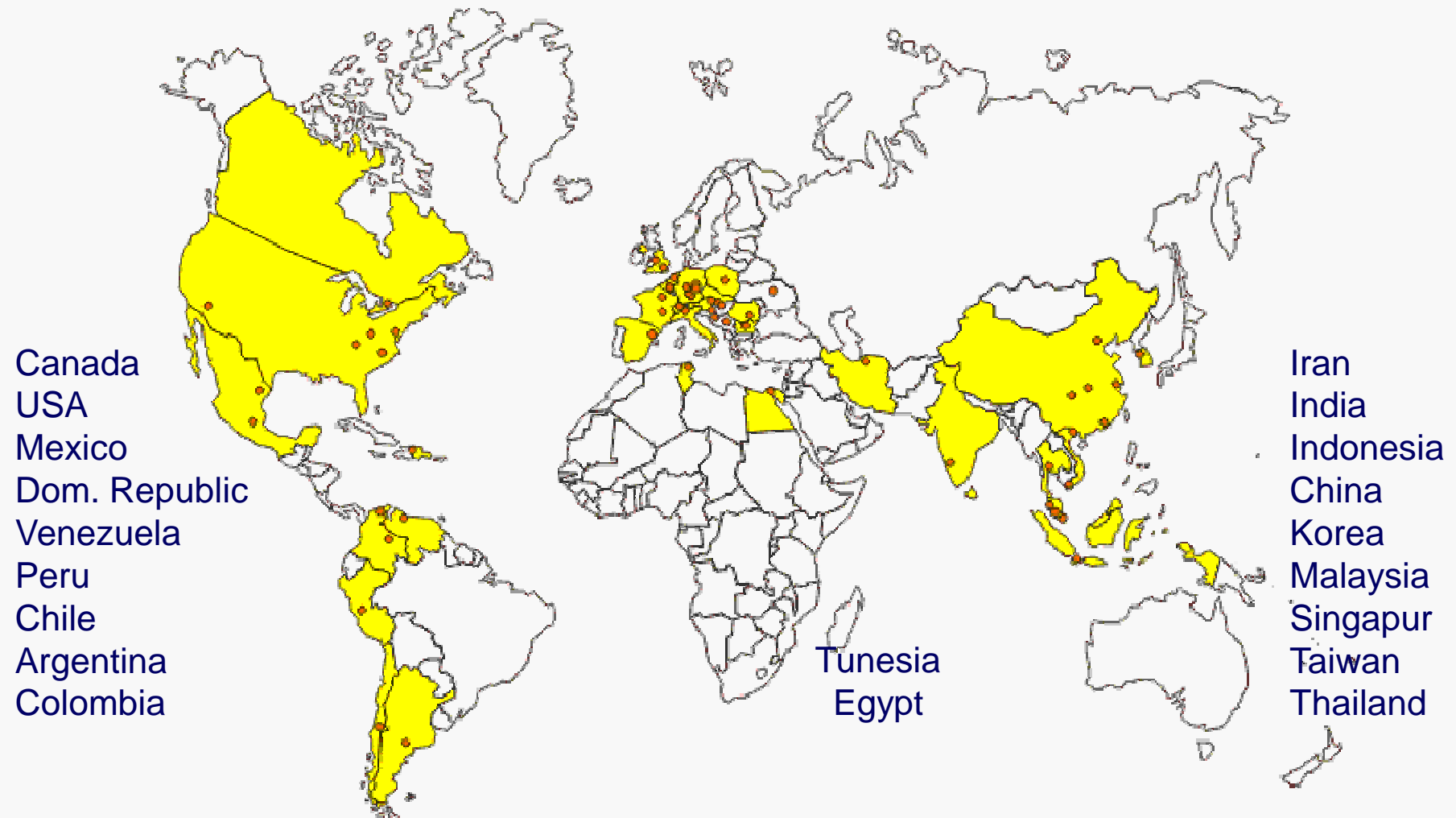
Employees: approx. 330 worldwide

Markets

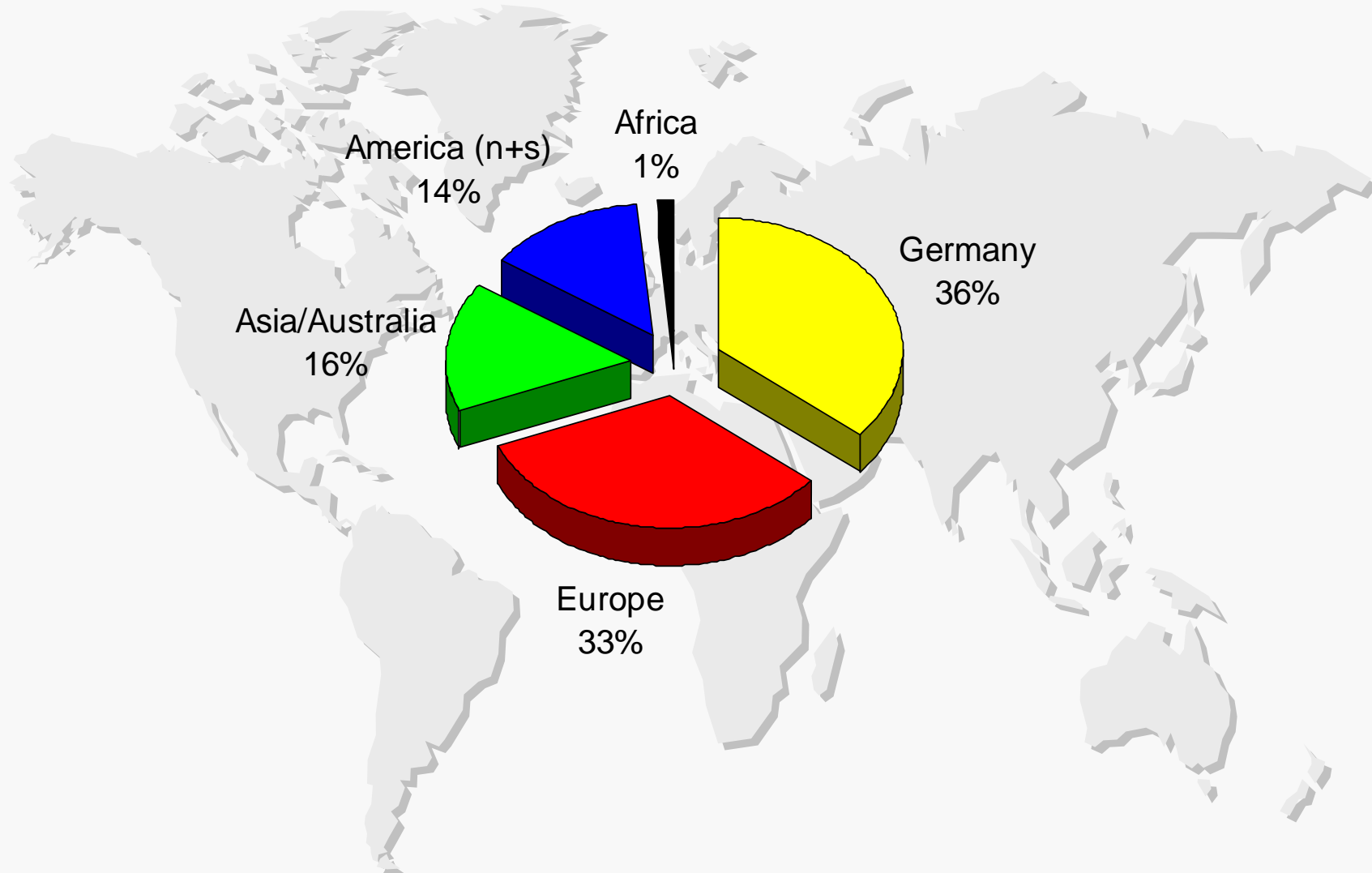
Kobold offices worldwide



Germany - Austria - Belgium - Bulgaria - Czech Rep.- France - Hungary - UK - Italy - Netherlands - Poland - Romania - Spain - Switzerland - Turkey



Market Shares



Productions

Assembling and Calibration

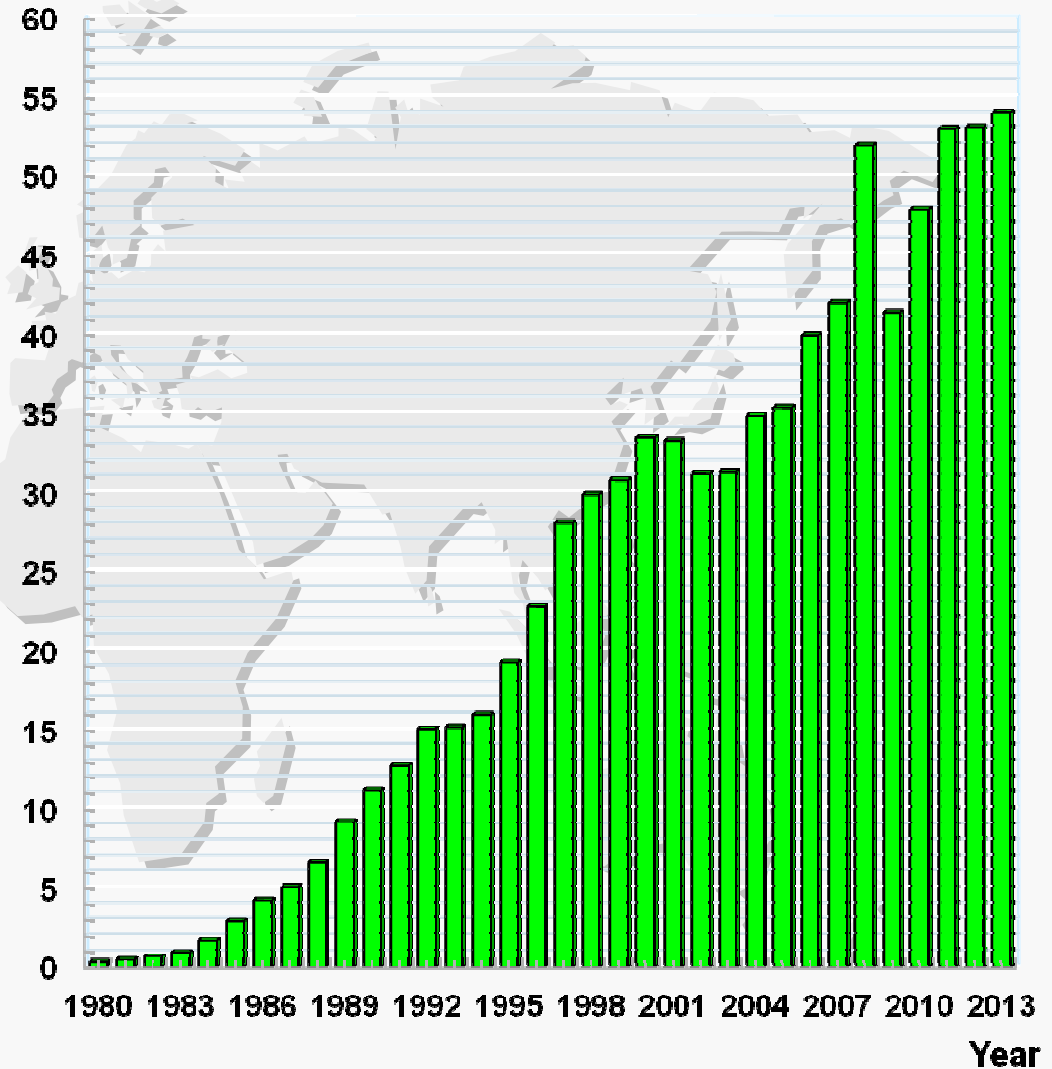


Turnover



1992: 15,1 Mio. Euro
1993: 15,2 Mio. Euro
1994: 16,0 Mio. Euro
1995: 19,3 Mio. Euro
1996: 22,8 Mio. Euro
1997: 28,1 Mio. Euro
1998: 29,9 Mio. Euro
1999: 30,8 Mio. Euro
2000: 33,5 Mio. Euro
2001: 33,3 Mio. Euro
2002: 31,2 Mio. Euro
2003: 31,3 Mio. Euro
2004: 34,9 Mio. Euro
2005: 35,4 Mio. Euro
2006: 40,0 Mio. Euro
2007: 42,3 Mio. Euro
2008: 52,3 Mio. Euro
2009: 41,4 Mio. Euro
2010: 47,9 Mio. Euro
2011: 53,0 Mio. Euro
2012: 53,1 Mio. Euro
2013: 54,1 Mio. Euro

Mio. Euro



Products



Flow

- Variable area flow meters monitors
- Paddle flow meters / monitors
- Turbine flow meters
- Rotating vane and turbine flow meters
- Oval wheel counters, gearwheel helical spindle flow meters
- Differential pressure flow meters
- Calorimetric flow meters / monitors
- Thermal mass flow meters
- Magnetic inductive flow meters
- Vortex flow meters
- Coriolis flow meters



Pressure

- Bourden tube pressure gauges
- Diaphragm pressure gauges
- Pressure gauges with contacts
- Differential pressure gauges / switches
- Differential pressure transmitters
- Digital pressure measuring instruments
- Diaphragm seals
- Pressure sensors
- Pressure switches

Products



Level

- Guided radar level meters
- Magnetic level switches and float type level transducers
- Bypass level indicator / switches
- Ultrasonic level meters / switches
- Capacitive level meters / switches
- Conductive level switches
- Optical level switches
- Rotating vane and membrane level switches



Temperature

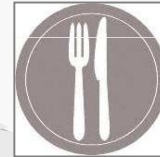
- Thermostats
- Temperature switches
- Dial thermometers
- Digital thermometers
- Resistance temperature probes
- Thermocouples
- Temperature indicator units
- Hand thermometers
- Infra-red temperature gauges

Products



Analysis

- Measuring Instruments for
 - pH / ORP / conductivity
 - Humidity
 - Turbidity



Food Technology

- Flow
- Pressure
- Level
- Temperature
- Turbidity
- Conductivity



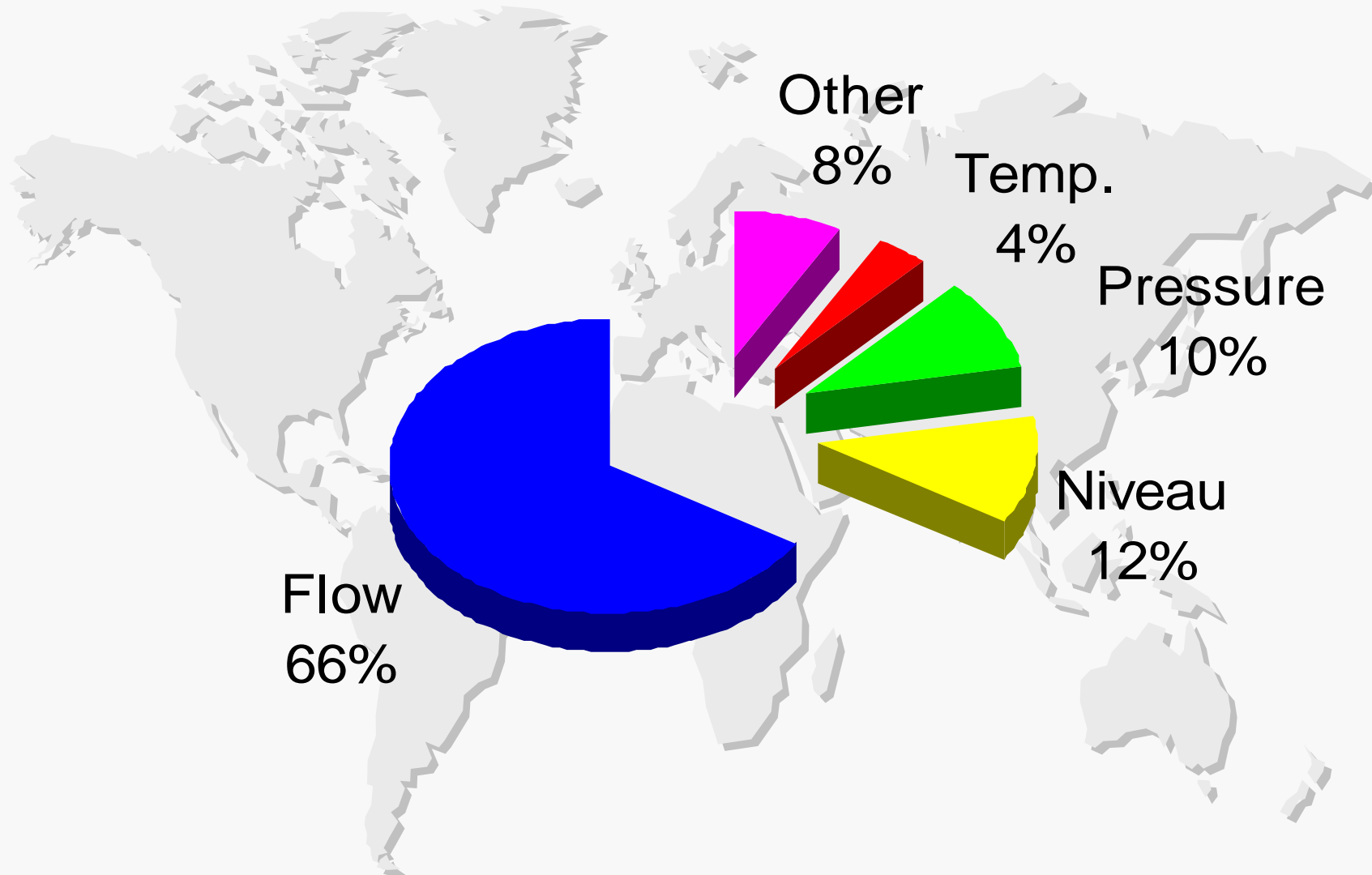
Accessories

- Ball valves with and without actuators
- Shut-off valves
- Needle valves
- Automatic flow regulators
- Contact protection relays
- Control electronics and indicators for flow, level, pressure and temperature products
- Timekeeper
- Incremental counter

Other

- Complete process control packages
- Special instruments for flow, pressure, level, temperature, turbidity
- Service and repair

Product Mix



Applications

Renewable Energy Industry



Biogas

Measuring of gas flow



Wind energy

Measuring of lubrication oil



Applications

Traffic Industry



Ventilation systems for trains in
New York

Controlling of air flow



Fuel monitoring systems in ships
measuring of pressure

For indication of fuel line blocking



Applications

Heavy Industry



Tunnel boring machines

Monitoring of hydraulic oil pressure



Waste water treatment

Measuring of flow, pH, turbidity



Applications

Domestic and Medicine Industry



Industrial washing machines

Messung Wasserverbrauch



Computer tomography system

Measuring of cooling water



Applications

Automation Industry



Low flow detection in welding robots



Laser cutting machines
Controlling of cooling water



Applications

Food Industry



Distillery

Temperature, pressure



Controlling of animal food

Level monitoring

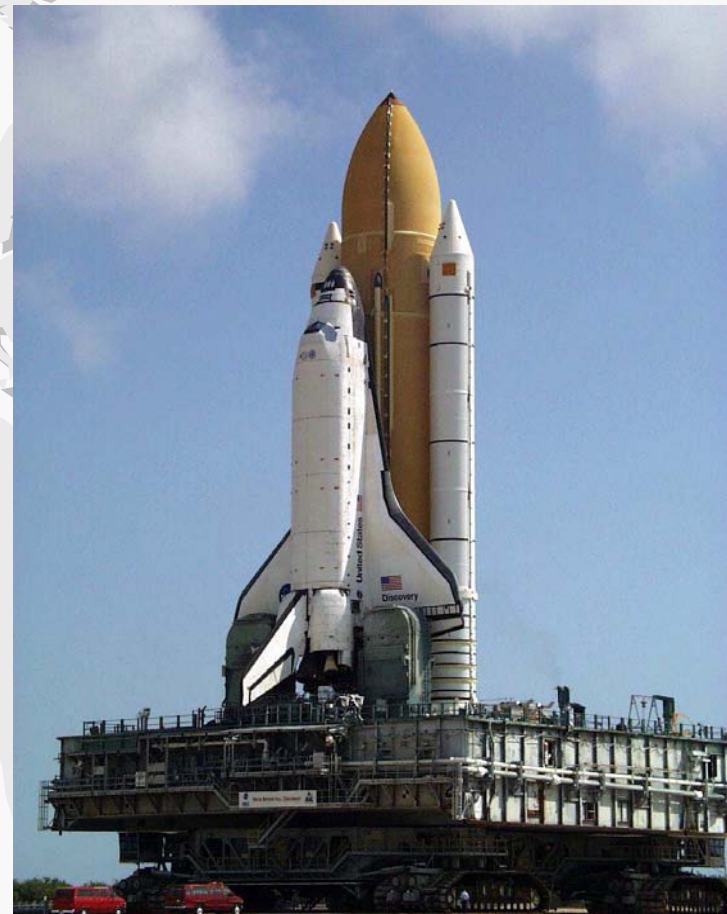


Applications

Space Travel Industry



Transport Space Shuttle
Monitoring hydraulic steering



Applications Heinrichs

Traffic Industry



CNG gas stations



Hydrogen fueling stations



Aircraft refueling



Diesel train stations



Ship loading

Applications Heinrichs

Chemical Industry



Sulfur loading



Bitumen production



Phosgene gas production



Road construction