# Thinking solutions.



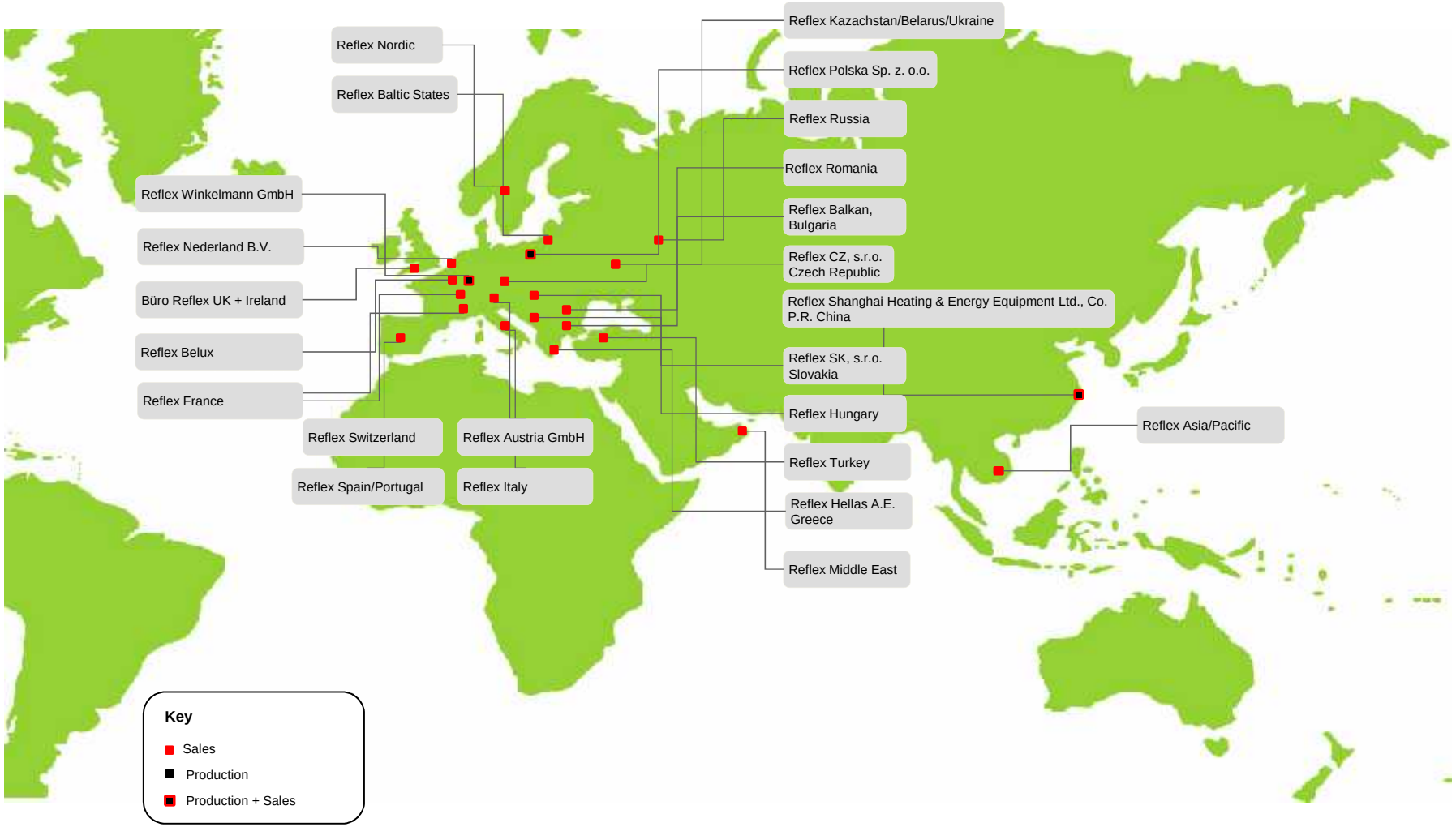
## Reflex Asia Pacific– part of Reflex Winkelmann GMBH

# The Reflex solutions




A seamlessly integrated service spectrum for systematic solutions.

# The international sites






# Asia Pacific Office

Base : Reflex Gmbh Singapore Office

Type: Representative Office

Reason for this: Local Centre for technical help and Business development of Reflex Equipment.

My Experience: I have done the same thing in UK where had the technical knowledge to select the correct systems in Chilled Water / heating / Data Centres etc. and other products.

**Reflex Winkelmann GmbH & Co.**
**Gersteinstr. 19**

**D - 59227 Ahlen**





# The Reflex employees & turnover

Total 430*

Reflex Winkelmann GmbH
110 employees

Reflex Polska SP. z o.o.
320 employees





*Valid 1st quarter 2013

Turnover € 500 mio Group
€ 150 mio Heating/Water Div

# Reflex Winkelmann GmbH

Reflex provides first-class German engineering and know-how in developing innovative, high-quality products and services for secure, comfortable and efficient operation of water supply engineering.

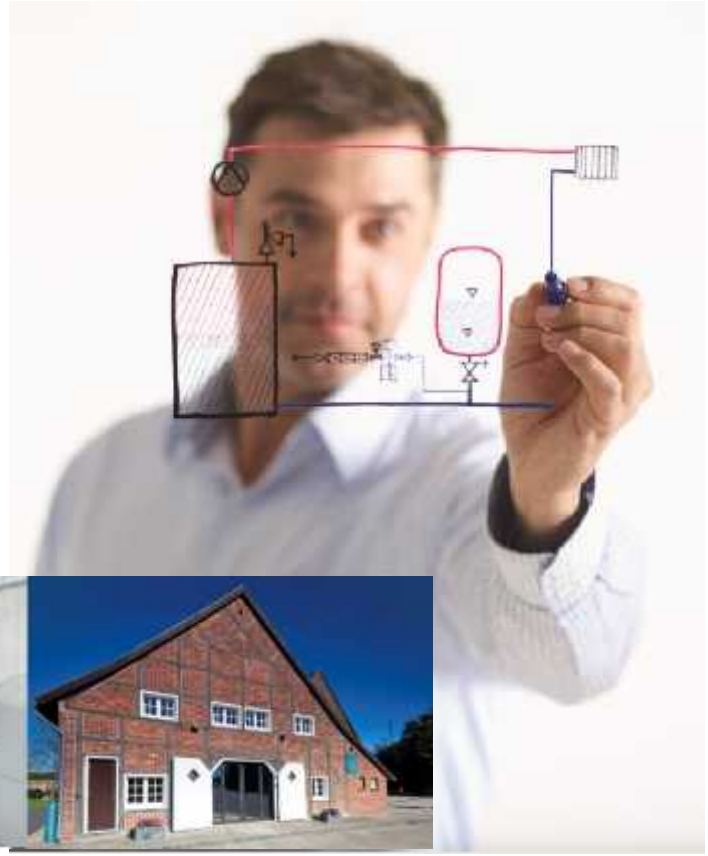
In particular, with its comprehensive system solutions Reflex offers products that also meet the highest standards required for pressurisation, deaeration, separation technology, water treatment technology and make-up as well as heat exchange.

Reflex offers exceptional solutions

- High quality standard
- Seamlessly integrated service spectrum
- First-class German engineering
- Many years of experience
- High level of professional competence
- Service-oriented approach and expert consultancy
- International representation

# Reflex Services

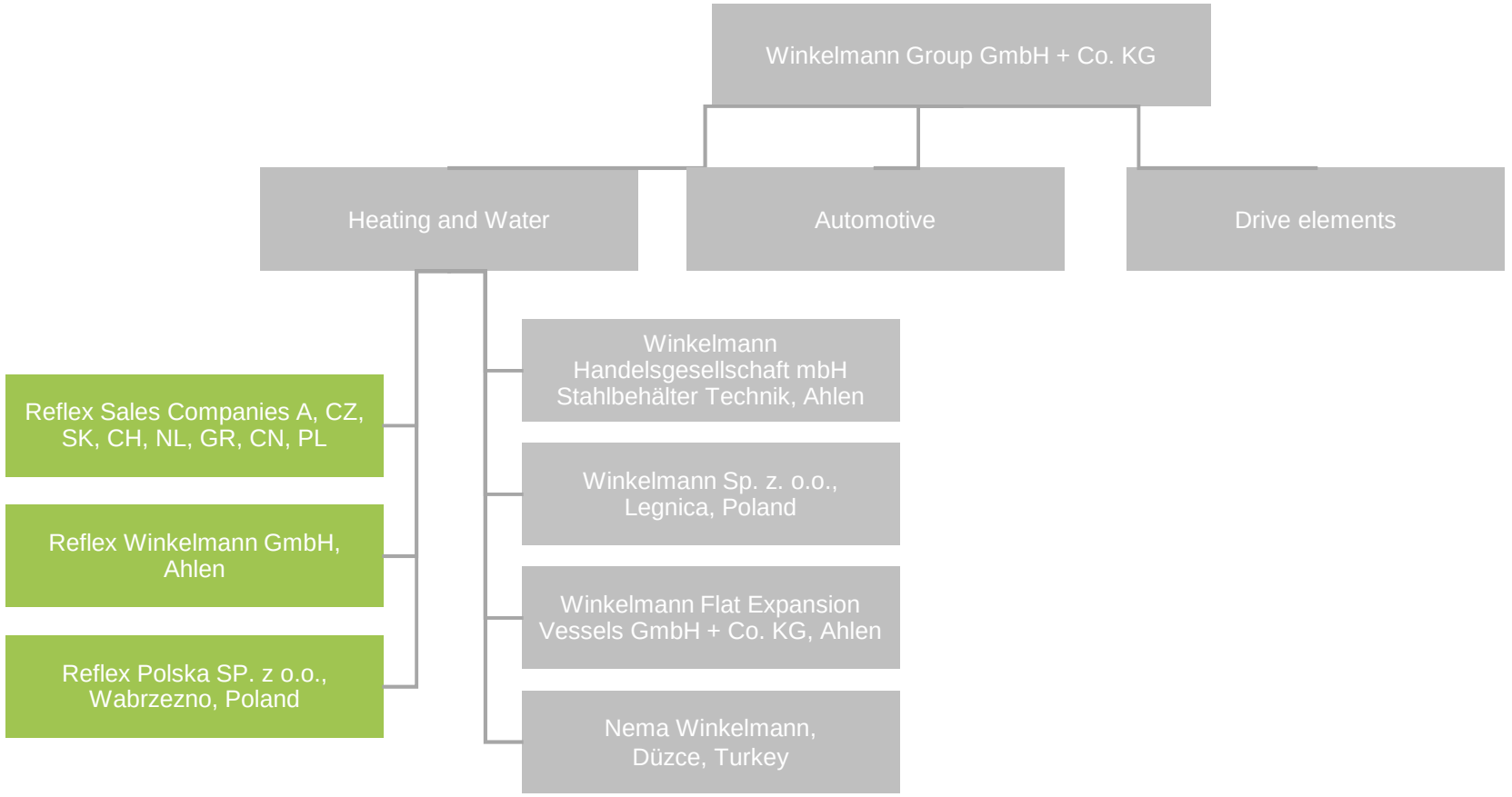
- Rapid response Works' Customer Service and spare part services
- Professional commissioning service
- Inspection and maintenance work
- Technical planning support
- Calculating software Reflex Pro
- Comprehensive, qualified product information
- Reflex seminar and training centre with an extensive range of training sessions





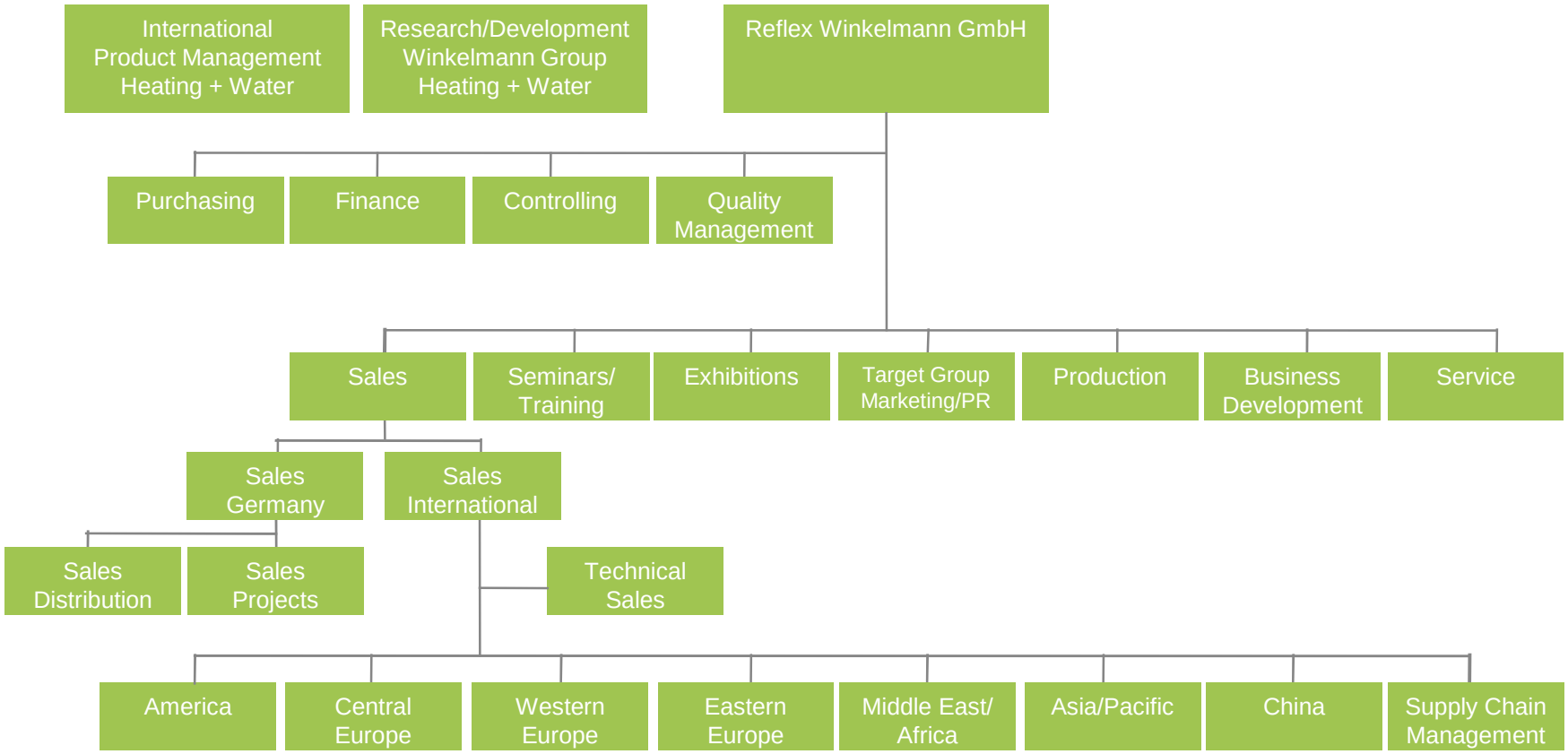

Reflex offers its customers advice, expertise and support – above and beyond the performance of its products.

# Integration into the Winkelmann Group




The expertise of a specialist, integrated into the structure of an efficient international group.

# Reflex Winkelmann GmbH




Market-oriented decision structure for the highest level of process reliability and customer proximity.

# Reflex turnover

Reflex total approx.
€ 153 million

- Reflex Winkelmann GmbH
- Reflex Polska SP. z o.o.
- Reflex Nederland B.V.
- Reflex CZ s.r.o.
- Reflex Hellas A.E.
- Reflex Austria GmbH
- Reflex Schweiz GmbH
- Reflex (Shanghai) Heating & Energy Equipment Co. Ltd.
- Reflex Slowakei, s.r.o.

*Valid financial year 2012

reflex
Thinking solutions.

# Product Portfolio 2015

# Expansion Vessels

## Reflex Type N/NG/G

For closed heating, solar and cooling water circuits



## Refix Type DE/DC

For potable water heating and pressurization stations



The classic diaphragm expansion vessels in tried and tested Reflex quality.

# Pressurization stations

## Reflexomat

Compressor-controlled pressurization with the highest degree of precision pressure maintenance +/- 0.1 bar



## Variomat / Giga

Making-up, deaeration and pressurization in a space-saving, pump-controlled system with an enormous scope of services



Intelligent compressor  or pump-controlled pressurization –
for well thought-out solutions for residential to large systems.

# Deaeration & separation technology

## Servitec

Patented vacuum degassing of system media for efficient flow and heat transfer



## Ex-separator

Relable deaeration, micro-bubbles, dirt and sludge separation



Remove foreign bodies and gases effectively with Reflex system for deaeration as well as mechanical separation technology.

# Water make-up systems and water treatment technology

## Fillcontrol, Fillset, Fillsoft

From the softening fitting to automatic make-up with system separation, products from Reflex ensure the capability of the unit, reduce wear and tear and lead to the highest level of functional reliability.



Reflex provides  operating reliability in modern supply engineering with a wide range of components for water management.

# Reflex Control

## The new benchmark in system control

Innovative control concept for the optimal level of operating comfort and simple networking of Reflex solutions for pressurization, making-up and deaeration. Control Touch as operating panel with touch intensive display as well as key-based Control Basic in the following product series:



Reflexomat



Variomat



Servitec



Fillcontrol

The comprehensive control concept Reflex Control revolutionalizes the networking of individual products into well thought-out solutions that function better.

# AGENDA

**Reflex Winkelmann Corporate**

**Overview on systems**

**Pneumatic Systems / Pump Systems**

**Deaeration Servitec – Vacuum Degassing**

**Reflex Selection Programme and online aids.**

**Questions**

# REFLEX INFORMATION

Product Guide 2015

Reflexomat  Technical Brochure

Variomat Technical Brochure









# Website: reflex.de downloads



1. Product Literature
2. Drawings in DXF(2D) /STP(3D)/ DWG(3D)/PDF(2D)
3. Selection Tools for systems/heat exchangers etc.
4. Apple APP download – selection to 1 MW
5. Technical Brochures

# Reflex at ISH Fair Germany  2015



# PRESSURIZATION SYSTEMS

Reflexomat Compact – Basic compressor driven
500 ltr. <2 mw

Reflexomat – Compressor
< 24 mw

Variomat – pump
< 8 - 11 mw max

Variomatgiga – pump
< 18 mw modular
> 20 mw bespoke unit





