



Company Presentation

Hinwil, March 2017

BELIMO[®]

Innovations in Comfort, Energy Efficiency and Safety Solutions.

Belimo is the global market leader in the development, production and marketing of actuator solutions for controlling heating, ventilation and air conditioning systems. Actuators, control valves and sensors make up the company's core business.

Where to find Belimo products?



Burj Khalifa, Dubai



National Aquatic Center, Beijing



Empire State Building, NY



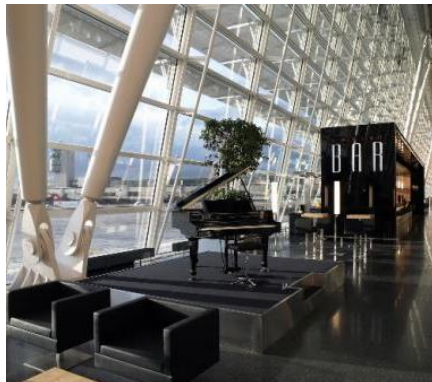
THE SQAIRE, Frankfurt (Source: Roland Horn)



Rail vehicles



Princeton University Princeton, NJ



Airport Zurich (Source: Flughafen Zürich AG)



Vessels

Comfort

Health, well-being and performance capability are dependent to a large degree on a well controlled room climate.

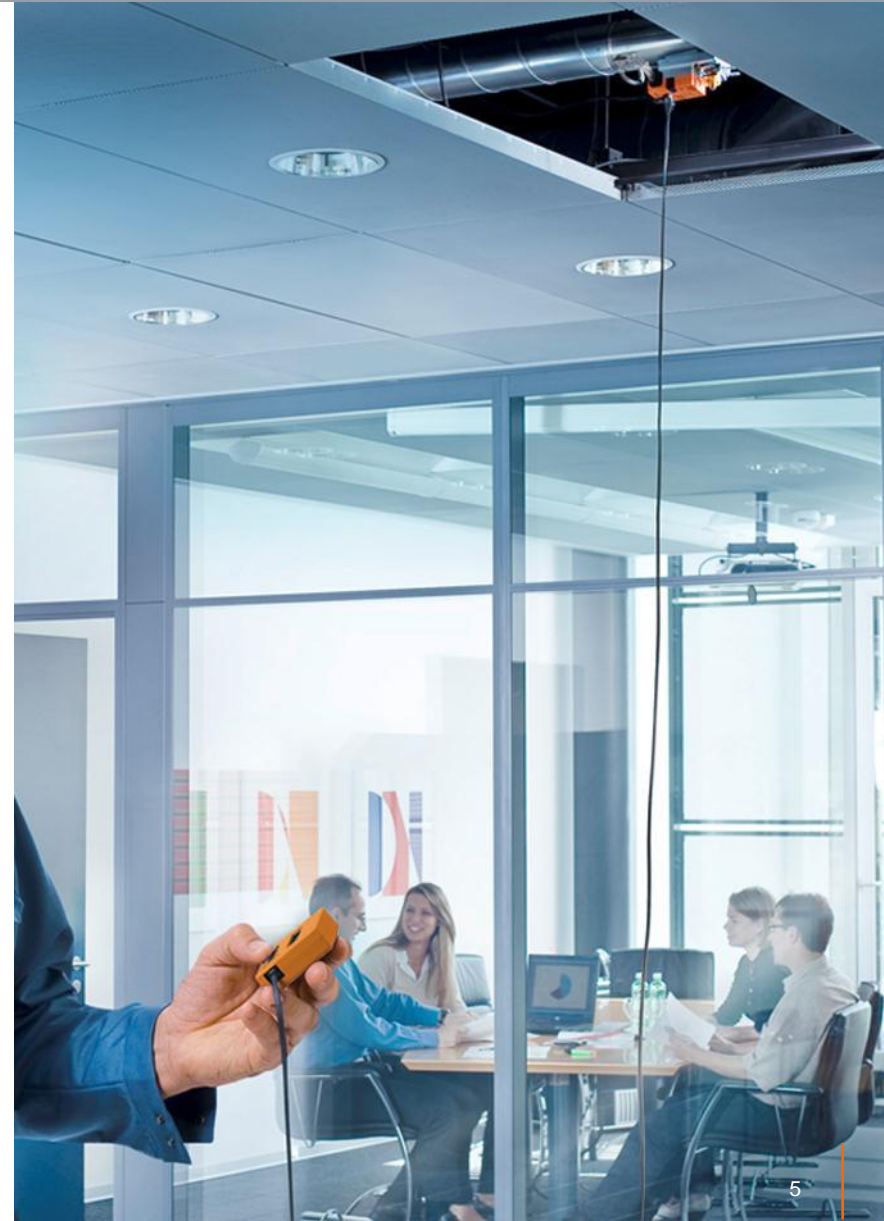


Optimized room climate

Balanced temperatures and regulated ventilation air at workplaces and in public areas

Individual air-conditioning control in zones, single rooms and apartments

Safe process air solutions in business, industry and sensitive working areas



Conditioning of air and water

Precisely positioning air dampers and valves in:

- > Air conditioning plants
- > District heating transfer stations
- > Central heating plants
- > Cooling water conditioning plants



Regulating room comfort

Delivering cooling and heating air via:

- > Ceiling-mounted air outlets
- > Supply and exhaust air grilles
- > Slotted outlets
- > Fan coils
- > Variable air volume control systems
- > Underground units
- > Façade units
- > Heating and cooling ceilings



Special areas

Supply and exhaust air control and heat and cooling generation in areas with increased requirements such as:

- > Chemical and pharmaceutical industry
- > Rail vehicles, ships, other transportation
- > Wood-burning heating systems
- > Wood-drying plants
- > Livestock farming facilities
- > Cheese dairies
- > Greenhouses



General Air Solutions

Motorization of dampers in ventilation and air conditioning systems:

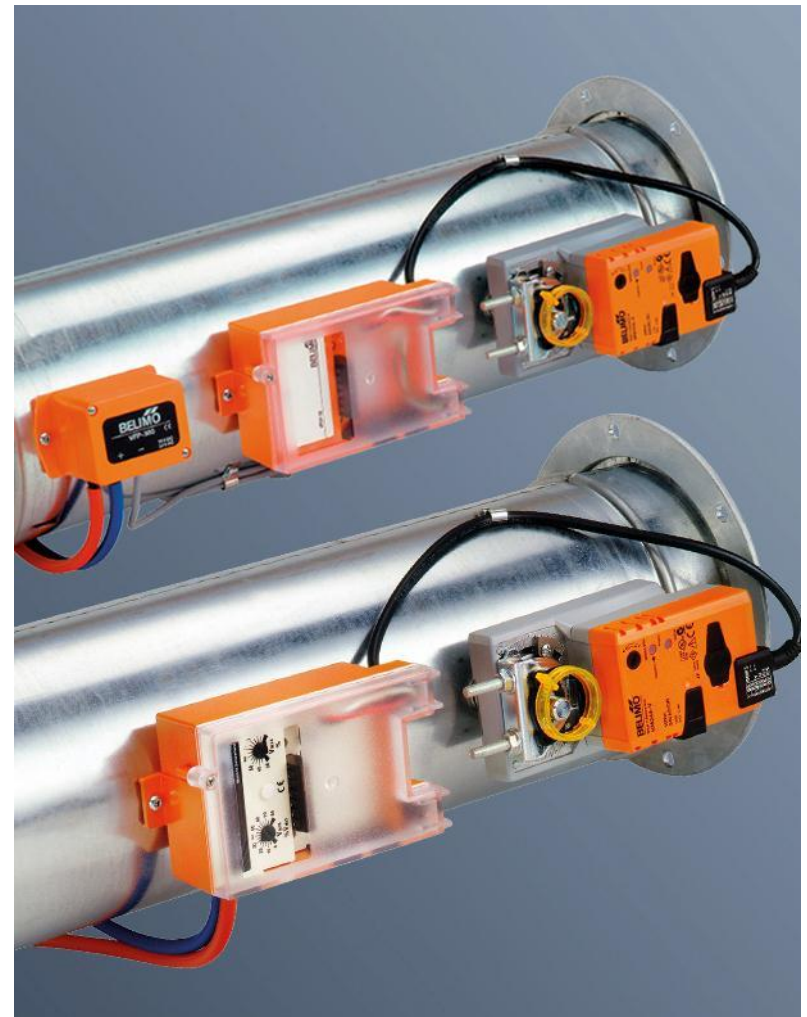
- > Rotary actuators - 90°
- > Linear actuators
- > Full-rotation actuators - 360°
- > Quick running actuators
- > RobustLine actuators for extreme environmental conditions
- > Rotary actuators for outdoor applications



Room and System Solutions

Total solutions for the variable volumetric flow control and individual control of the room climate:

- > Actuators, sensors and controllers
- > Ventilator control
- > Room controller systems



Water Solutions

Motorized valves for controlling heating and cooling hydronic circuits:

- > 2-way, 3-way and 6-way characterized control valves
- > Mechanical and electronically controlled pressure-independent characterized control valves
- > Shut-off and change-over valves
- > Globe valves



Retrofit applications

Simple retrofit and replacement of the motorisation for air dampers and valves of different manufacturers:

- > Damper actuators
- > Globe valve actuators
- > Rotary valve actuators



RETRO  FIT

Energy Efficiency

Innovative solutions for increasing efficiency begin in the details and have large-scale effects.



Increasing energy efficiency

Cutting energy consumption and operating costs

Fulfilling highest comfort requirements and ensuring maximum efficiency

Generating added value for customers and the environment

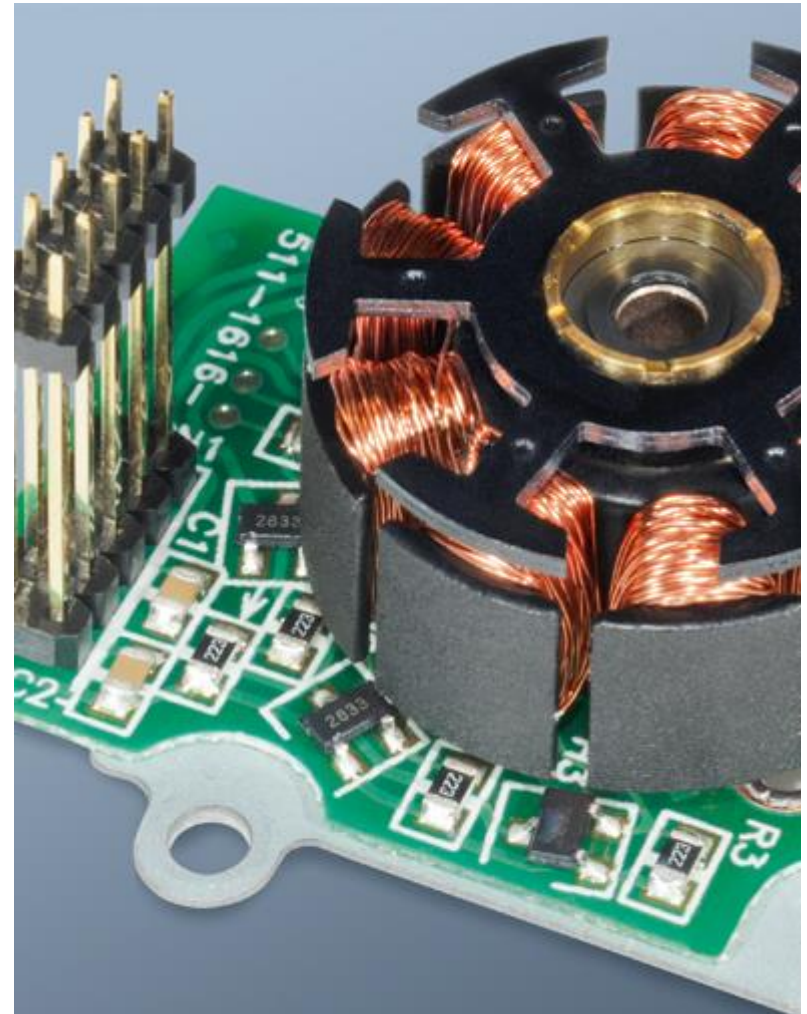


EXPERIENCE
EFFICIENCY

Cutting energy consumption

Innovative technologies for cutting the electricity consumption of the actuators:

- > Lower consumption in the holding position through dynamic motor controls
- > Reduced expenditure of energy through new, non-linear gearbox
- > Energy-saving emergency power supply storage with SuperCaps



EXPERIENCE
EFFICIENCY

Avoiding energy losses

Intelligent solutions for avoiding unnecessary energy losses:

- > Prevention of creeping circulation losses with air bubble tight closing valves
- > Massive reduction of pressure losses through demand-based control of the supply air fans



EXPERIENCE
EFFICIENCY

Monitoring energy flows

Electronically controlled Energy Valve that optimizes, documents and proves water coil performance.

- > One valve for flow, ΔT and energy measurement, control and shut-off
- > Perfectly optimized coil operation thanks to automated ΔT and flow balancing
- > Integrated energy monitoring for the checking and optimization of the hot and cold water circuits



EXPERIENCE
EFFICIENCY

A city skyline at night with a lightning bolt striking a tall building. The scene is illuminated by the city lights and the bright flash of the lightning. The sky is dark, and the buildings are lit up, creating a dramatic and somewhat ominous atmosphere. The lightning bolt is a prominent feature, striking the top of a tall building in the center of the frame. The overall color palette is dominated by the warm yellows and oranges of the city lights, contrasted with the dark blues and greys of the night sky.

Safety Solutions

Safety for people, tangible assets and investments requires experience and maximum reliability.

Safety for people and tangible assets

Sealing off fire-rated compartments against the spread of fire and smoke through the ventilation ducts

Mechanical smoke extraction from zones and rooms for evacuation and rescue work



Safety Solutions

Motorization solutions for fire and smoke dampers:

- > Fire protection actuators
- > Communication, network and control units
- > Bus integration



Safety Solutions

Motorization solutions for mechanical smoke extraction systems:

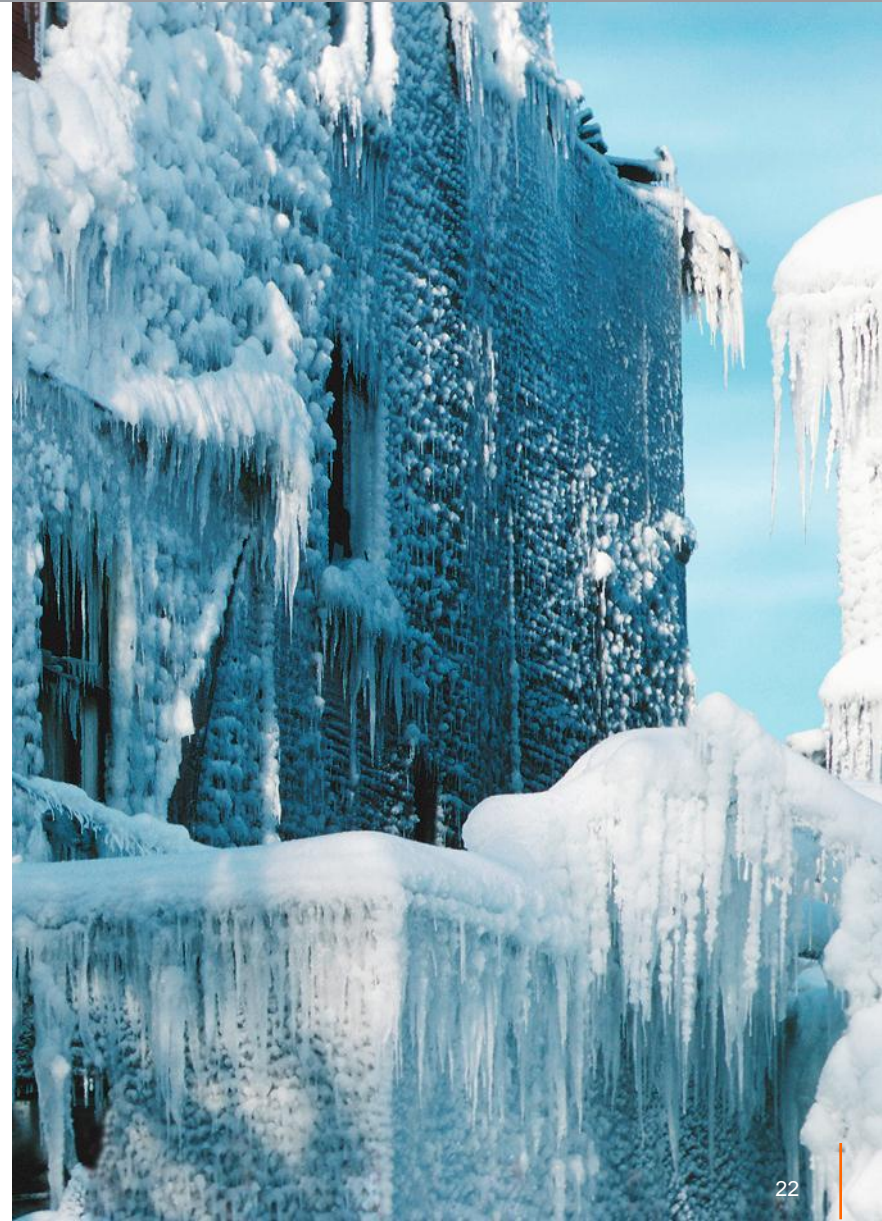
- > Smoke control damper actuators
- > Communication, network and control units



Protection for plants and investments

Prevention of plant damage caused by ice, water and steam and by the effects of extreme weather conditions

Ensuring comfort and prevention of unnecessary operational breakdowns when electricity is interrupted



General Air and Water Solutions

Fail-safe actuators with mechanical spring assembly for moving to the predefined safety position in the event of a power failure.

- > Outside air dampers
- > Ventilation in central plants
- > Humidifiers
- > Boiler sequence systems



General Air and Water Solutions

Rotary, fast running and linear actuators with individually adjustable, electronic emergency control functions for:

- > Outside air dampers
- > Ventilation plant rooms
- > Sensitive working areas
- > Increased comfort requirements
- > Apartment ventilation systems
- > And more



Facts & Figures



The Belimo Mission



«Being market leader is an obligation and is a source of motivation».

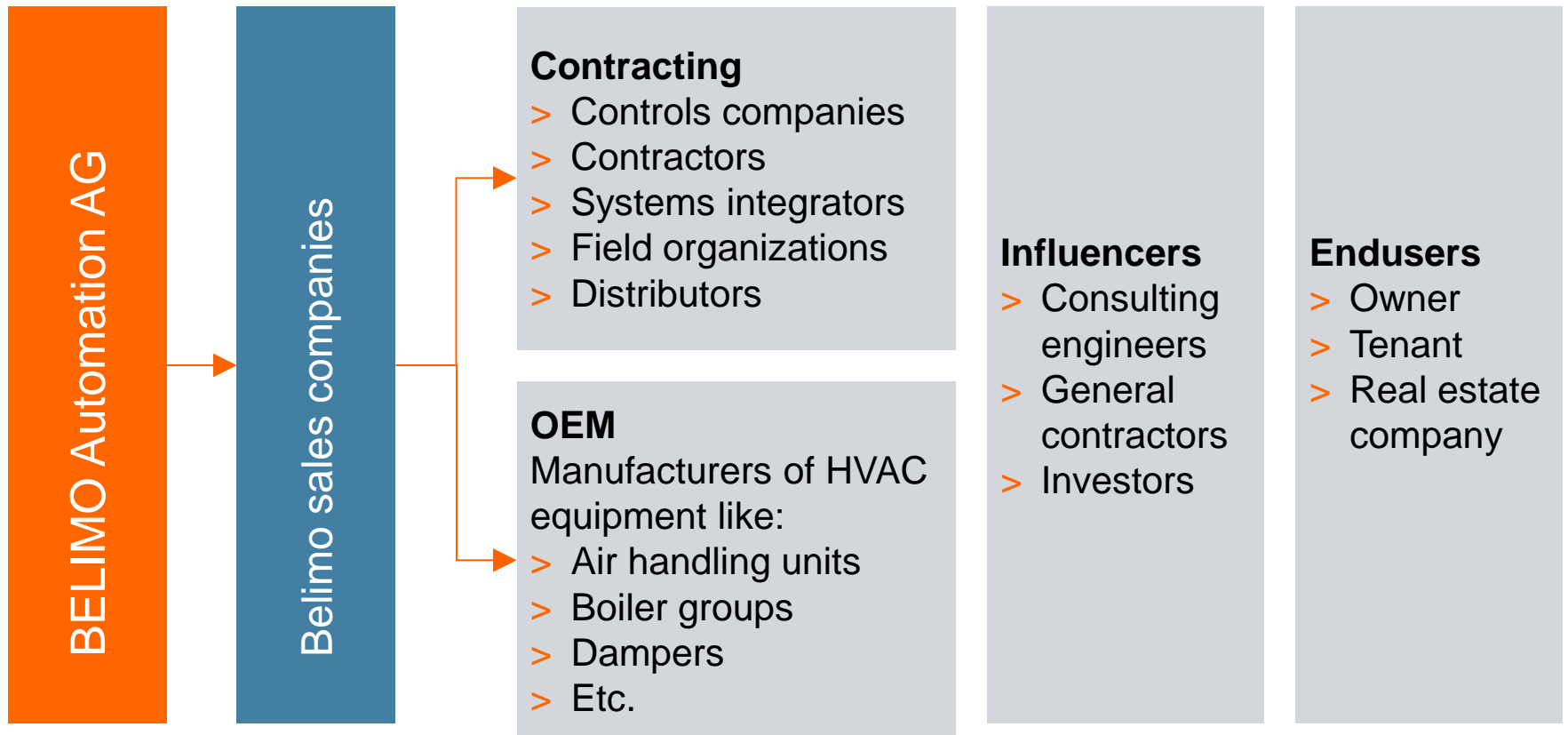
H.P. Wehrli, Chairman

Belimo is the global market leader in the development, production and marketing of actuator solutions for controlling heating, ventilation and air conditioning systems. Actuators, control valves and sensors make up the company's core business.

Belimo's aim is to be a trusted partner across the globe for its customers, offering them the added value they expect. Research and market-relevant innovation as well as rapid and customized execution are key. Commitment, credibility and reliability characterize our behavior.

Belimo delivers more than just products. We support our customers with innovative, efficient and energy-optimizing solutions and bring success to both our customers and ourselves. We are close to our customers throughout the world, we speak their language and we understand them. Everything we do gives them the reassurance that they have chosen the very best.

Our customers

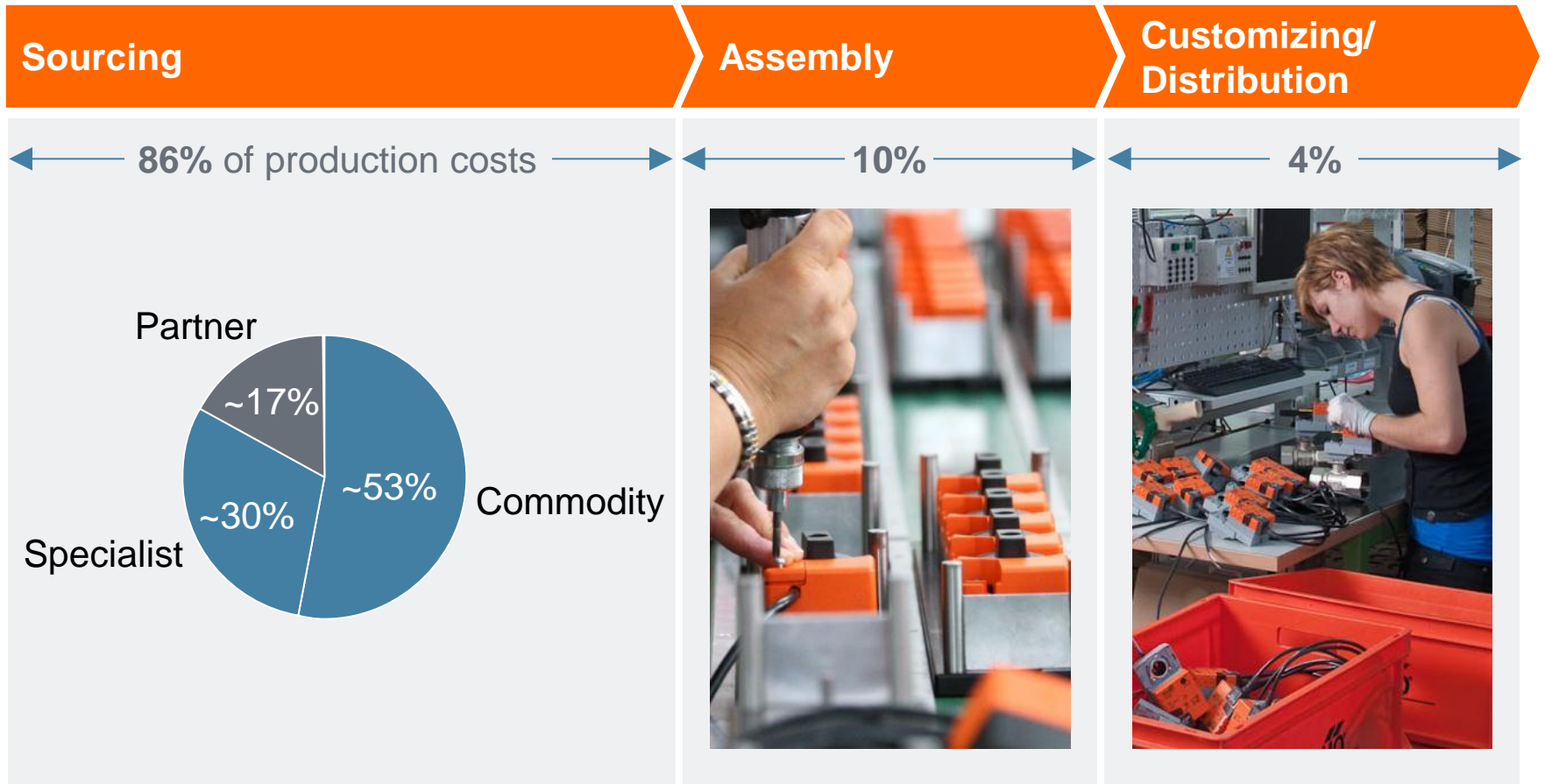


Belimo locations

Active worldwide and at home in more than 80 countries



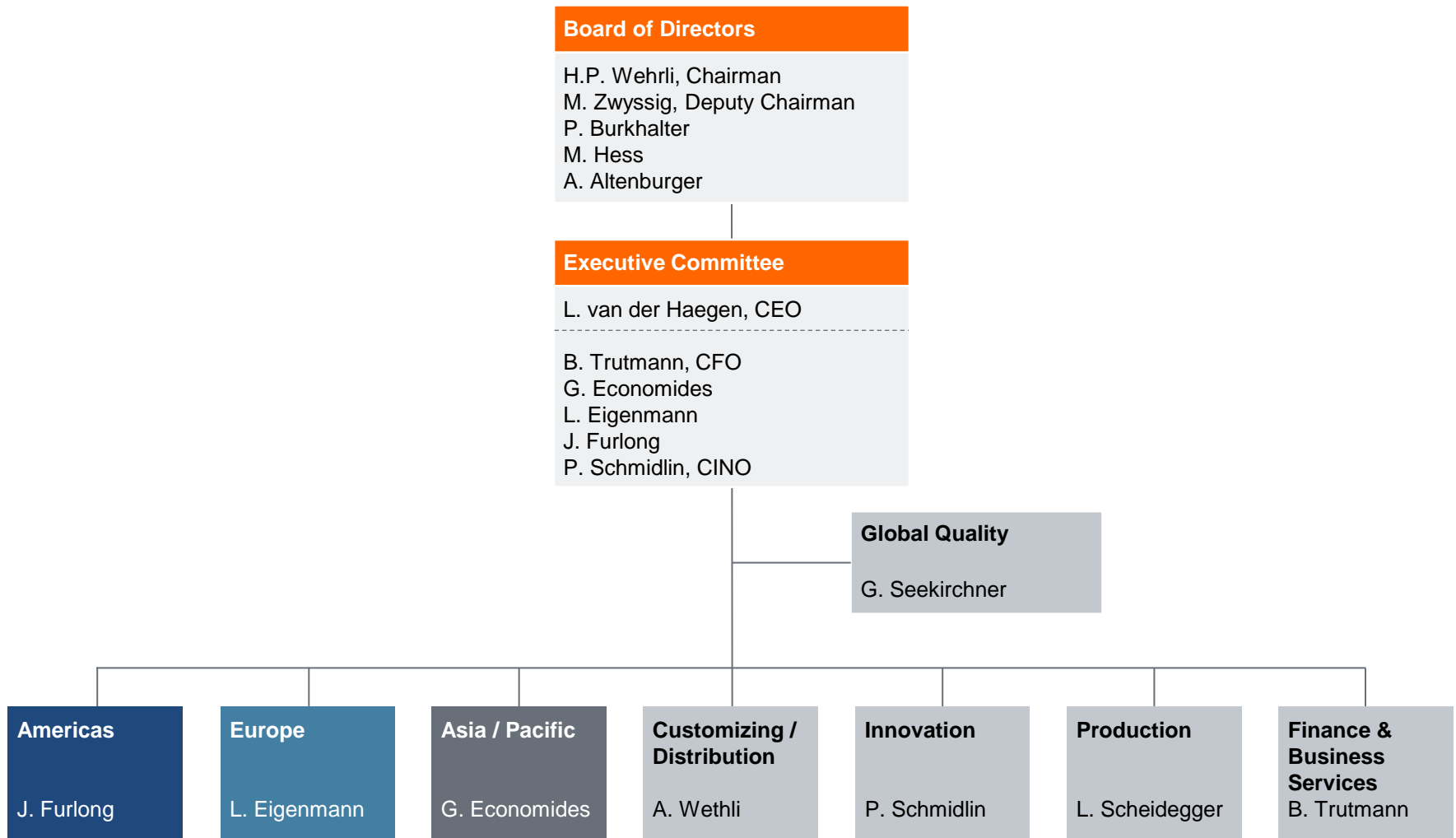
Focus on final assembly, testing and customizing



Belimo key figures 2016

Group net sales	CHF m	533.7	+ 8.2%	
Net sales by regions	Europe	CHF m	259.2	+ 6.2%
	Americas	CHF m	210.0	+ 9.4%
	Asia/Pacific	CHF m	64.5	+ 12.5%
Operating income (EBIT)	CHF m	87.0	+ 16.5%	
Net income	CHF m	69.8	+ 24.1%	
Employees (FTE's)		1440	+ 2.2%	
Founded		1975		
Headquarters		Hinwil, Switzerland		
Swiss Stock Exchange		Listed since 1995		

Group structure



Belimo sells «peace of mind»

Tested components with comprehensive additional product services



5 year warranty



**Located around
the globe**



**Complete product
range**



Tested quality



**Short delivery
times**



**Comprehensive
support**

«Swissness» – reliable quality is appreciated

- > Each individual actuator – around 5.9 million in 2016 alone – is thoroughly tested before it is sent out
- > Specialized know-how and the legendary «Swiss quality» make it possible to provide a five-year warranty on the entire product range



Research and development

- > Belimo has set standards in the field of HVAC actuator and valve technology since 1975 with its consistent orientation to market requirements and pioneering innovations
- > The Belimo Group invested 7.1% of its net sales – this being 37.7 million Swiss francs – in research and development in 2016



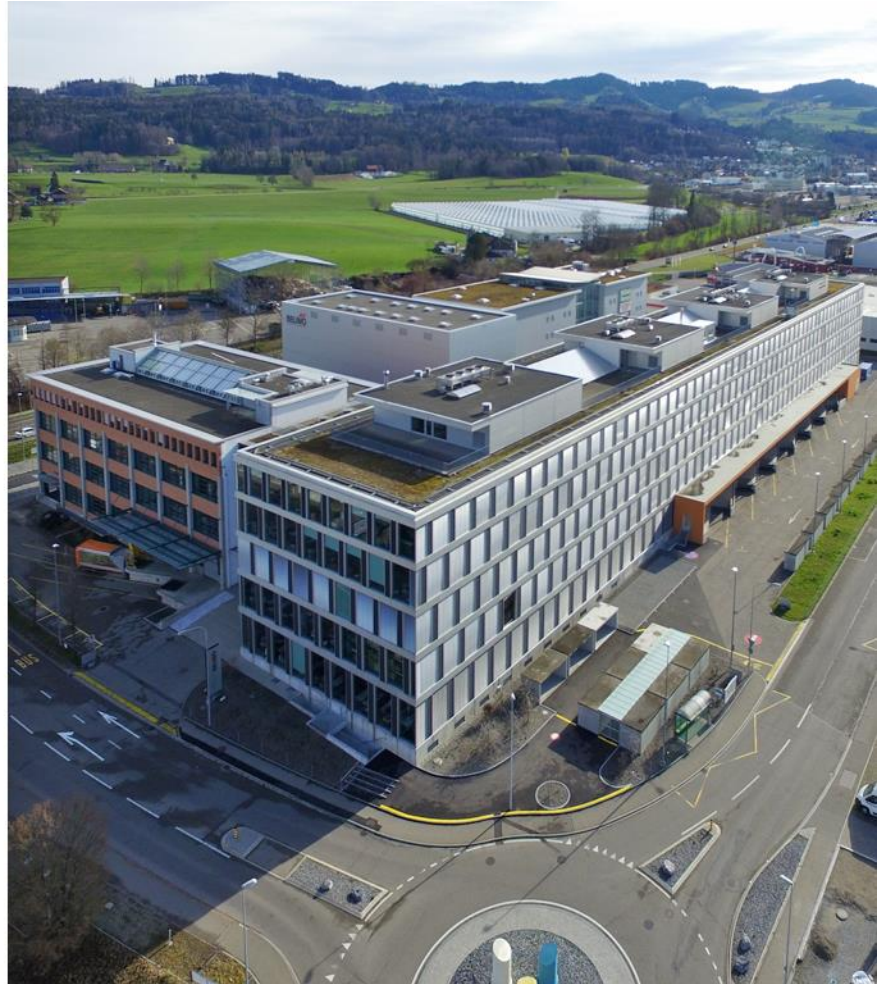
Contact



BELIMO Holding AG
Brunnenbachstrasse 1
CH-8340 Hinwil
Switzerland
Phone +41 43 843 61 11
Fax +41 43 843 62 41
e-Mail: ir@belimo.ch

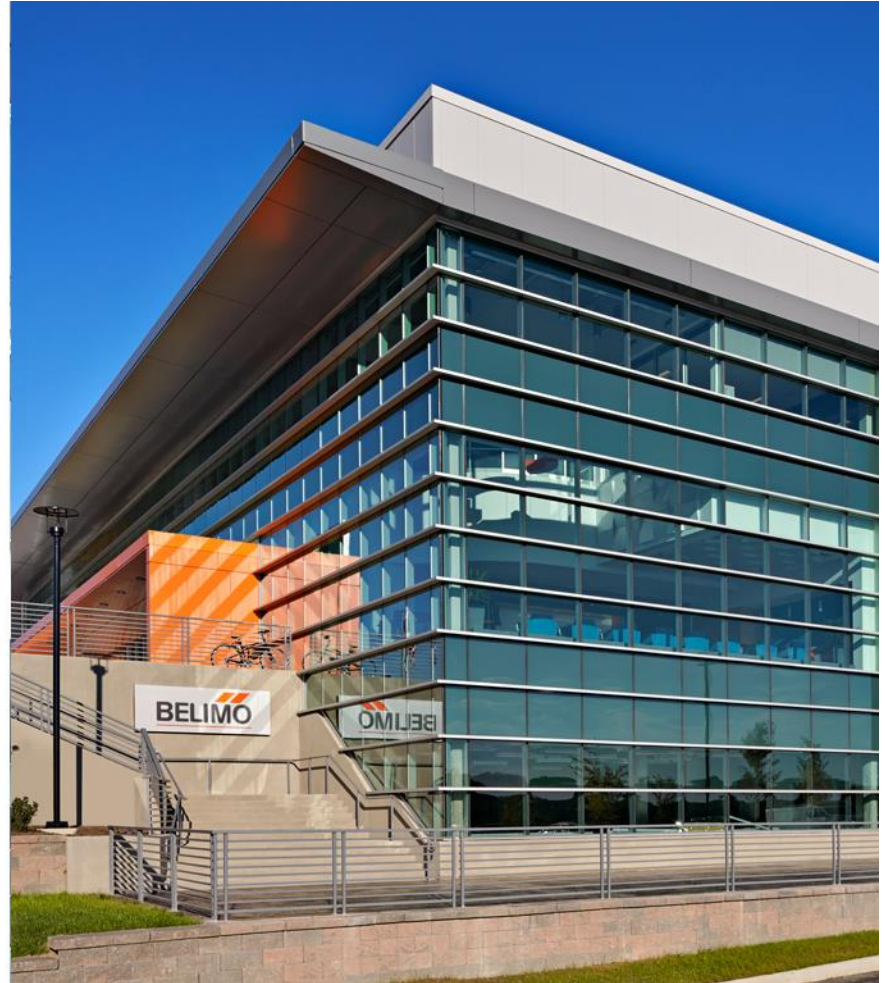
www.belimo.com

Headquarters Europe: Hinwil - Switzerland



 [back](#)

Headquarters Americas: Danbury, CT - USA



 [back](#)

Headquarters Asia/Pacific: Hong Kong, China



 [back](#)