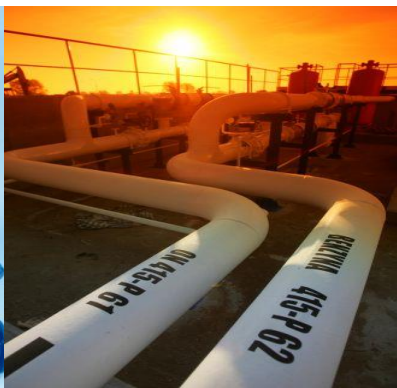


# Fabryka Armatur „Głuchołazy”



**ARMATURA PRZEMYSŁOWA**



# Company and Product Presentation

- Overview
- History of the Company
- Products
- Quality Standards
- Technical Abilities
- Sales and Distribution



# Overview

- Field of activity: Designing and production of high quality globe valves, gate valves, check valves and strainers
- Location: Glucholazy, Poland
- Current employment: 102 workers
- Yearly turnover: 3 milion EUR
- Production area: 6900 m<sup>2</sup>
- Managment Standard: ISO9001:2008
- Tradition in manufacturing: 96 years



# Overview



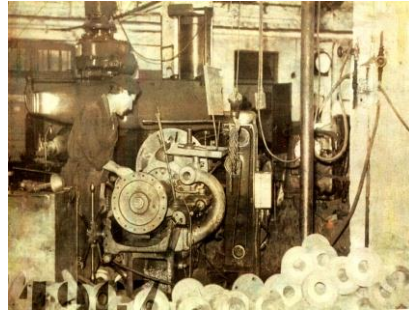


# History of the Company

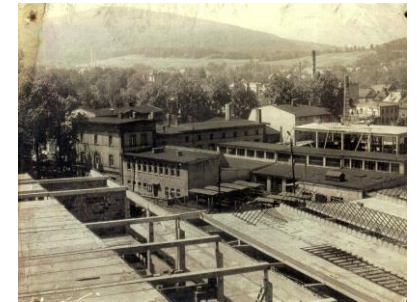
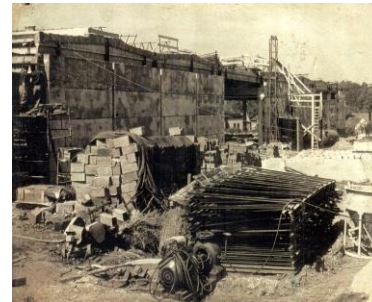
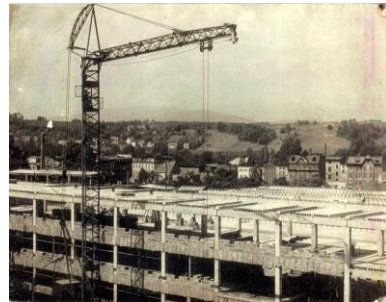
- **1919**- early days of company go back into year 1919, when our company existed under the name „Jennert und Schulz Armaturenfabrik und Eiseangiesserei Zigenhals” and focused on production of cast iron valves
- **1945** - Polish Government nationalized the property of former owners and created government company under its current name - Fabryka Armatur „Głucholazy”
- **1966-1972** – extension and modernization of machine park, construction of new production plant - change in the profile of production in favor of forged and cast steel valves.
- **1991** - beginning of privatization and transformation of the company into company of Dept. of Tresaire
- **2002** - company "UNIA" Sp. z o.o. from Bialystok, NE Poland became owner of majority of shares.



*After 2nd World War period.....*



*.....developement and progress.....(1972-1975)*



*.....today*



# Products

Fabryka Armatur „Głucholazy” manufactures industrial valves in the following range of working parameters:

- nominal pressure PN: 1,6 ÷ 50,0 MPa,
- temperature range of medium: -196°- 650°C,
- dimension range DN: 4 ÷ 400 mm.



# Products

We produce from cast steel, forged steel, range of alloys steels and stainless steel.

We offer industrial valves in wide range of types and variants, especially:

- Globe valves
- Gate valves
- Check valves
- Strainers
- Globe valves with throttling disc



Our valves can be equipped with electromechanical, pneumatical and hydraulical actuators.



# Products

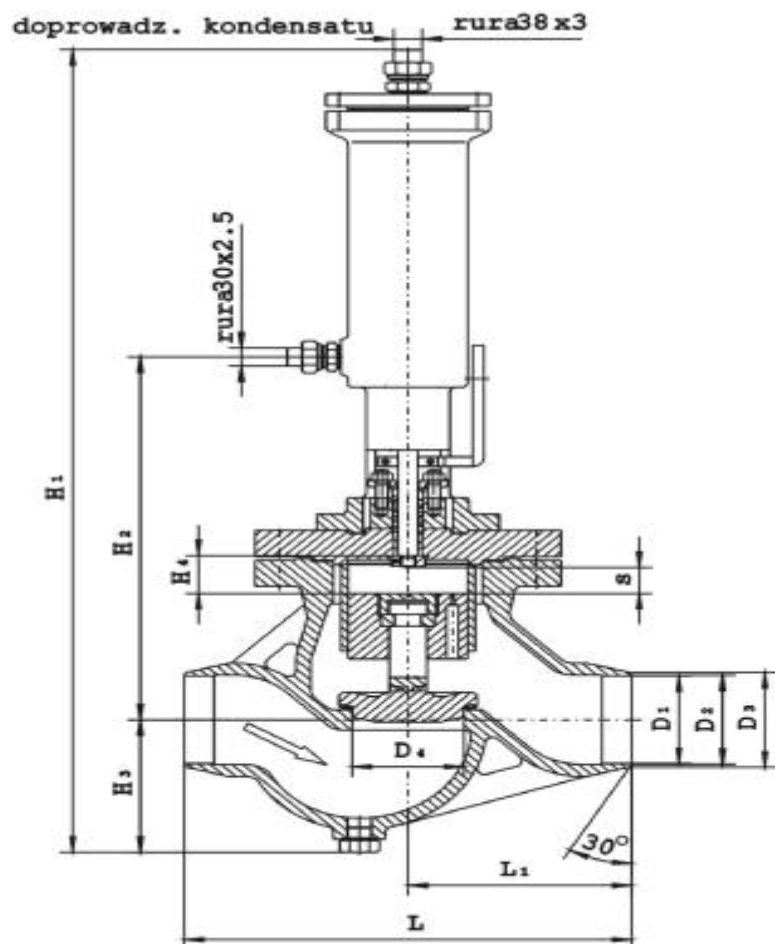
Our production encompasses also specialistic armature:

- Hydroinjection valves DN 32-50
- Quick-closing valves DN 15-150 PN 16-25
- Minimal flow valves DN 50 PN 320
- Check valves (lift and swing type) for turbine steam heaters type ZZW, DN 100-400



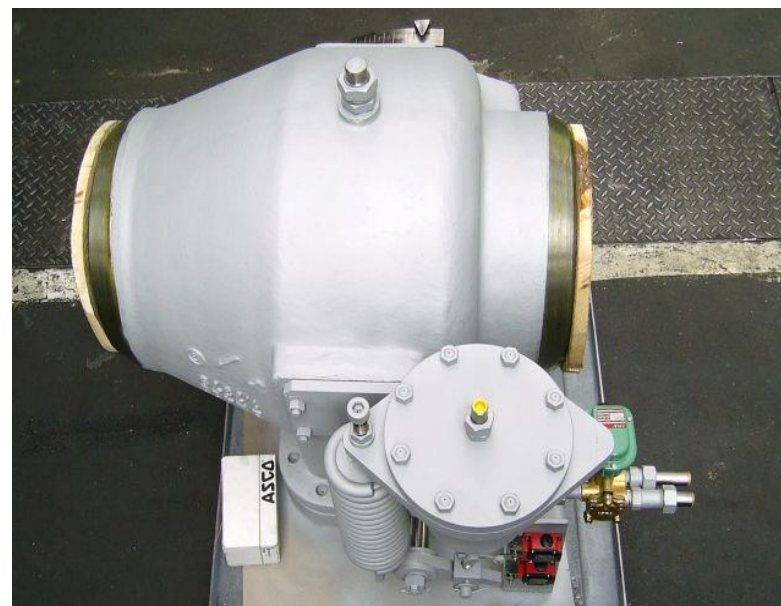
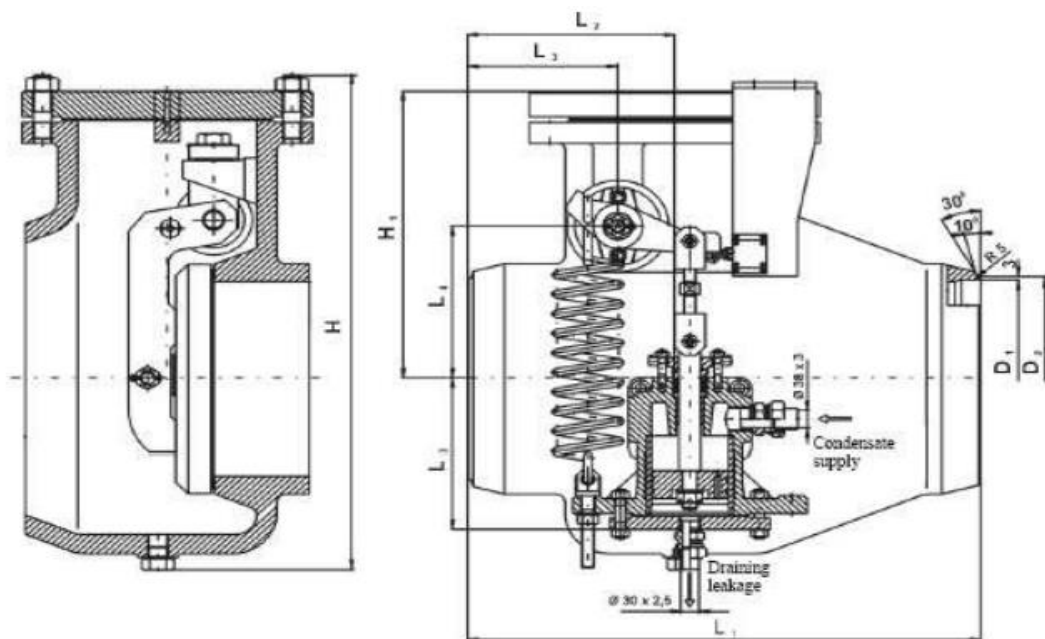
# Products

## Check valve ZZW in DN 100 - 300



# Products

## Check valve ZZW in DN350 - 400





# Products

## Globe Valve 218 and High Pressure Valve 530S





# Products

## Valves 450S



# Quality Standards

- ISO 9001:2008 Management System
- Pressure Equipment Directive 97/23/EC
- Approvals from Classification Societies



- Detailed Quality Control
- Reliable Materials
- 100% Product Testing

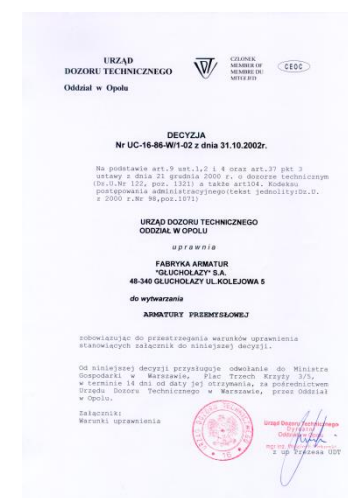
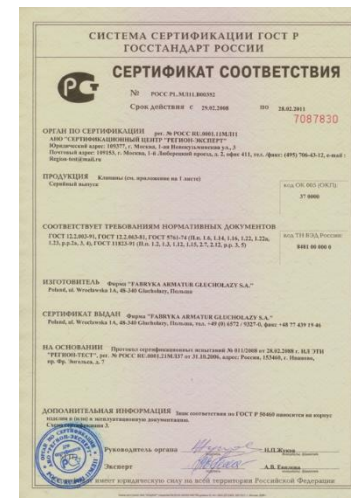
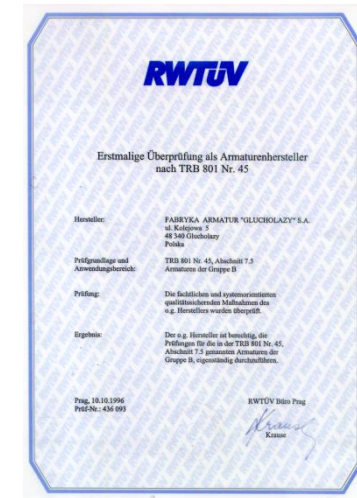


# Quality Standards





# Quality Standards





# Quality Standards



# JAKOŚĆ ROKU 2012



# Technical Abilities

Basic technological process in FAG S.A. is machining, realized mainly on:

- CNC machines
- single- and multispindle machines
- machining centre

Remaining technological processes cover:

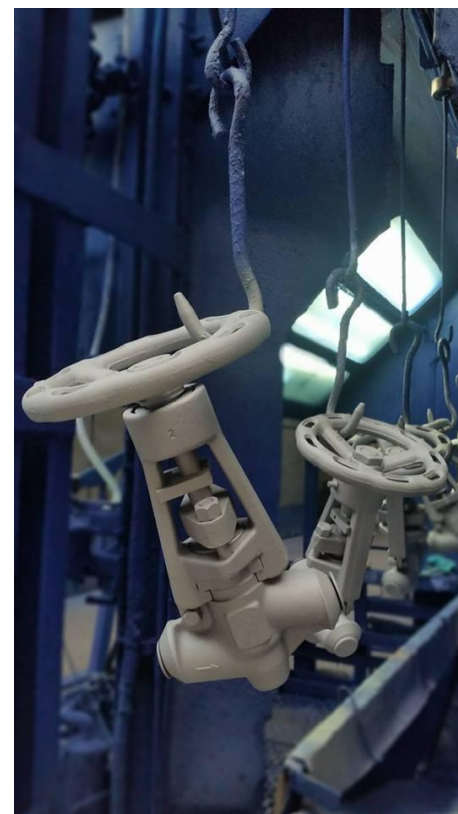
- heat treatment
- welding and pad-welding
- shower painting
- final assembly of ready products



# Technical Abilities

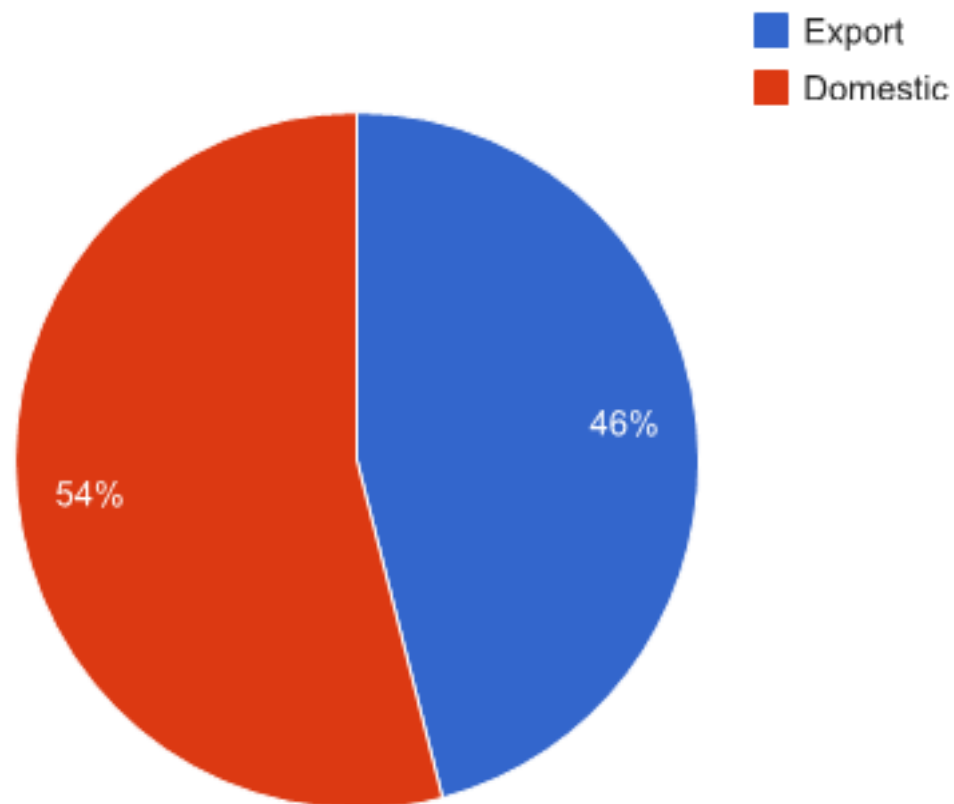
Painting process is done through airless spraying method by water-diluent paints.

According to requests of our customers we are able to paint the valves in accordance with ISO 12944 including the highest corrosion protection – C5M.



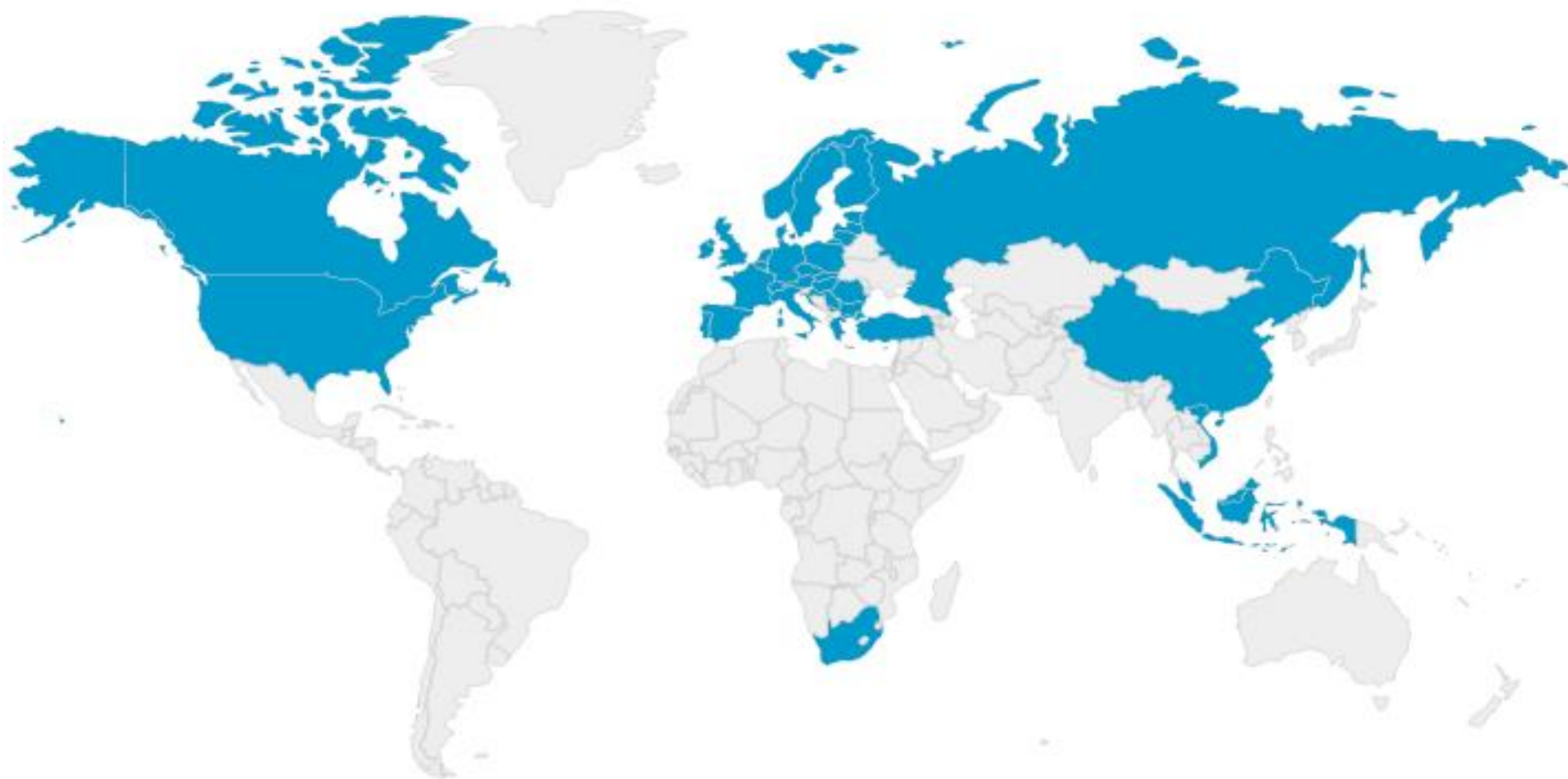
# Sales and Distribution

## Export – Domestic Market Relation





# Sales and Distribution

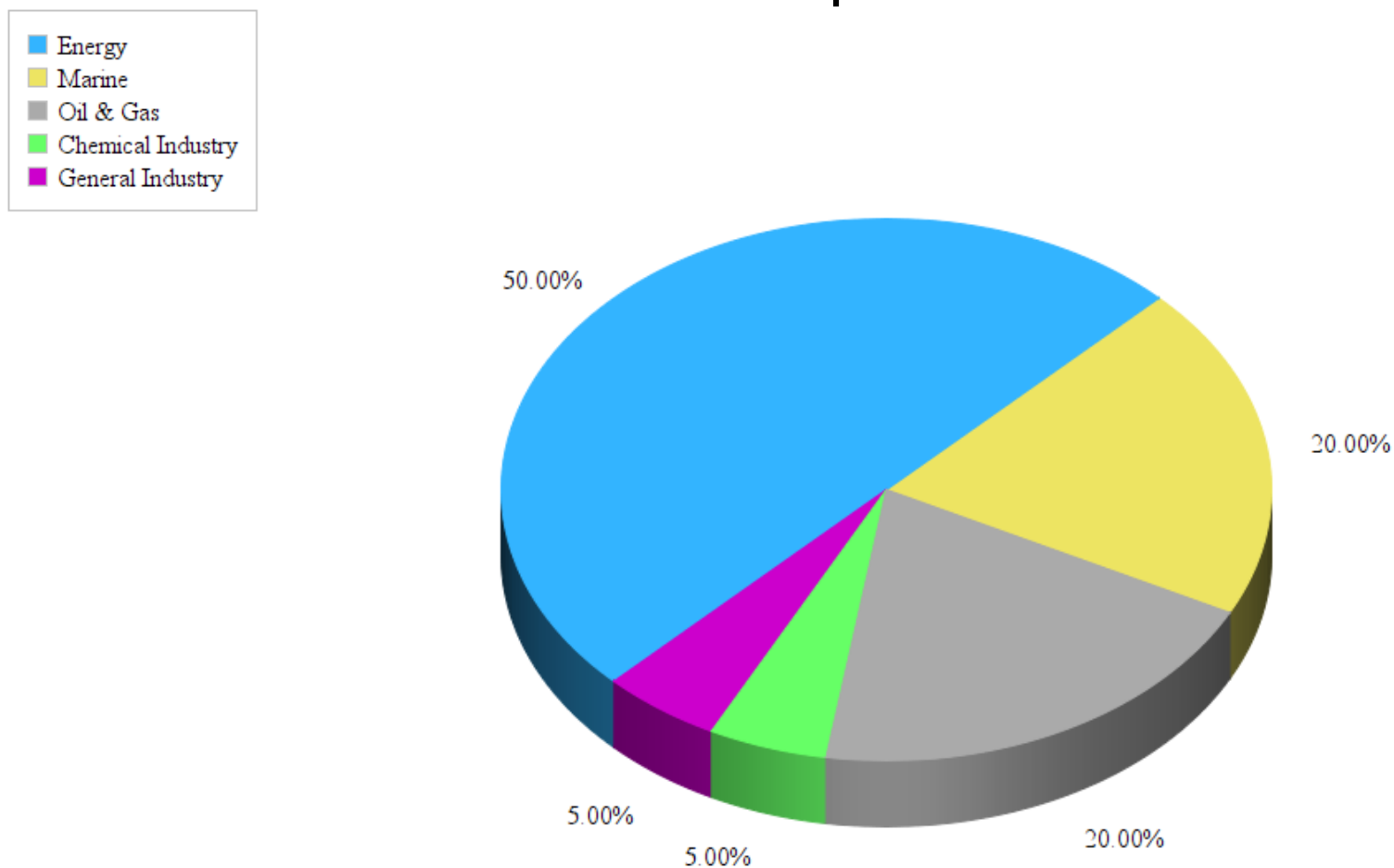


# Sales and Distribution



# Sales and Distribution

## Main Recipients





# Energy Sector





# Energy Sector



With cooperation with our distributor Mpower Group we had supplied our products for various installations to the major power plants around the world. To the most important projects in those area we can include:

## **Slovakia:**

Nuclear Power Plant Mochovce (2009/2012)

Nuclear Power Plant Bohunice (2011)

Realized by Enel and Slovenske Elektrarne



# Energy Sector

## Czech Republic:

Temelin Nuclear Power Plant (2009-2012)

Dukovany Nuclear Power Plant (2009-2012)

Tusimice Power Plant (2010)

Ledvice Power Plant (2011)

Prunerov Power Plant (2012)

Pocerady Power Plant (2012)

Realized by CEZ Group.





# Energy Sector

## Russia:

Adlerskaya CHP (2010-2011)

Pravoberezhnaya CHP (2009-2012)

Yuzhnaya CHP (2009,2012)

Pervomayskaya CHP (2011)

Vasileostrovskaya CHP (2009)

Realized by GTGC-1



# Energy Sector

Around the World:

Great Manchester (UK) Waste to Power Plant  
Realized by Keppel Seghers



CCTG Power Plant in Toul (France)  
Realized by Siemens



Power Plant in Antalya (Turkey)  
Realized by AKSA Energy



And many other powerplants in Ukraine, Estonia, Sweden,  
Finland, Latvia, Spain, Chile, Venezuela.

# Energy Sector

In the domestic market from many years we are cooperating with our partner ALSTOM to supply the high quality fittings to major polish power plants and CHPs.





# Energy Sector

**ALSTOM**

Elbląg 2004-10-15

**Power Service**

ALSTOM Power Sp. z o.o. w Warszawie  
Oddział w Elblągu

**Fabryka Armatur „Głucholazy” S.A.**  
**ul. Wrocławska 1A**  
**48-340 GŁUCHOŁAZY**

**LIST REFERENCYJNY**

Informujemy, że Firma Fabryka Armatur „Głucholazy” S.A. w roku 2004 zrealizowała na nasze zamówienie dostawy armatury (przepustnice, kłapy zwrotne, zawory) dla projektu „GDAŃSK”.

Dostawy zostały wykonane w uzgodnionym terminie i zgodnie ze specyfikacją wymagań jakościowych.

Jednocześnie informujemy, że nadal współpracujemy z Firmą Fabryka Armatur „Głucholazy” S.A. w zakresie dostaw armatury.

Z poważaniem,

WICEPREZES / ZARZĄDU  
Dyrektor Zakładu Serwisu

mgr inż. Bolesław Ludwik Łuniewicz

**ALSTOM**

Elbląg 2004-12-10

**Power Service**

ALSTOM Power Sp. z o.o. w Warszawie  
Oddział w Elblągu

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Dyrektor Zakładu Serwisu

mgr inż. Bolesław Ludwik Łuniewicz

# Energy Sector

Together with ALSTOM we had supplied our fittings to the following objects:

CHP Gdynia

CHP Gdańsk

CHP Bielsko Biała

Power Plant Łaziska

Power Plant Pomorzany



# Energy Sector

Moreover our products are working on the following power plants:

Power Plant Bełchatów

Power Plant Jaworzno

Power Plant Kozienice

Power Plant Łagisza

Power Plants Pątnów-Adamów-Konin





# Oil & Gas Industry

We are longterm supplier of major polish oil companies Orlen and Lotos. By our distributor we are also cooperating with slovakian oil company Slovnaft



# Marine Industry

We are supplier of valves for marine industry for major polish and world companies. We are cooperating with shipyards in Gdansk and Szczecin. Moreover our range of quick closing valves finds its recipients in ship building companies in all over the world. We had great opportunity to deliver our products for the world's biggest transatlantic liner of its time – RMS Queen Mary II



# Marine Industry



# Chemical Industry

Our products from many years has been supplied to leading polish chemical plants. One of our biggest customer in that matter is nitrogen plants in Puławy. Moreover we are coopereting with one of the leading Hungarian chemical company.





# Fabryka Armatur „Głuchołazy”

**Thank you very much for your attention!**



**ARMATURA PRZEMYSŁOWA**

**Wrocławska 1A  
48-340 Głuchołazy  
[fag@fagsa.com.pl](mailto:fag@fagsa.com.pl)  
[www.fagsa.com.pl](http://www.fagsa.com.pl)**