ARAKO
ROSATOM

COMPANY PROFILE
2022

ABOUT US

ARAKO employs approximately 200 people. We build on the more than 60-year tradition of development and production of industrial valves in Opava, connected with the SIGMA concern and the Minerva company. Our product portfolio offers valves for nuclear and thermal power plants, chemical and petrochemical plants. We own design and development department and we offer to customers customer service of valves. Nowadays we export to 25 countries and we are specialists in the production of nuclear valves.

QUALITY AND CERTIFICATIONS

We emphasize on quality and modern working environment. We pay attention to increasing customer satisfaction, improving the efficiency of internal processes and producing the highest quality valves. We own a complex of internationally recognized certificates focused on quality management, production processes and the product itself.

SYSTEM CERTIFICATES

- ISO 9001:2015 – Quality Management System
- ISO 14001:2015 – Environmental Management System
- ISO 45001:2018 – Occupational Health and Safety Management System
- Directive 2014/68/EU (module H) – Assessment of the Quality System
- EN ISO 3834-2 – Quality Requirements for Fusion Welding of Metallic Materials
- ISO 9001:2015 (ГОСТ Р ИСО 9001-2015) - Quality Management System – Certification system of ROSATOMREGISTR

PRODUCT CERTIFICATES

- Certificate on EC Revision of the Type (module B)
- Certificates AD 2000-Merkblatt HP 0 / HP 100 R
- Certificate VDI 2440:2000 (TA LUFT)
- Certificate EN ISO 10497:2011 and API Standard 607 (Fire safe)
- EAC Declaration of Conformity
- EAC Certificate of Conformity
- Certificates of Conformity of the type for Ukraine

SUPPLIER CERTIFICATES

ČEZ, a. s., Czech Republic; **ŠKODA JS**, a. s., Czech Republic; **GP NAEK** Energoatom, Ukraine; **PAKS** NPP, Hungary; **Turkish Atomic Energy Authority** Certificate of manufacturer approval (deliveries for nuclear power plant Akkuyu); **Rosenergoatom**; Russian Federation

HISTORY OF ARAKO

- **1945** Minerva Opava, sewing machine factory - predecessor of ARAKO
- **1953** Beginning production of industrial valves
- **1976** Development and production of the first valves for the nuclear industry
- **1980** The company is incorporated into the VHJ SIGMA concern
- **1992** **Foundation of ARAKO spol. s r.o.**
- **1997** Construction of a new production and storage hall
- **1998** Adoption of a new production program in Germany, including a prototype of the product - Gate Valve S38
- **2003** Completion of development and commencement of production Pneumatic Control Valve Y70
- **2005 - 2008** Delivery of valves for 1-2 units in Kudankulam NPP (India)
- **2006** Completion of development and commencement of production High-Pressure Shut-Off Globe Valve V46.2
- **2007** **ARAKO becomes part of the group Atomenergomash, engineering division of ROSATOM**
- **2008** Completion of development and commencement of production Blow-Out and Pickling Device - special for SIEMENS
- **2010 - 2013** Extensive modernization of production facilities
- **2010 - 2016** Delivery of valves for 3-4 units in Mochovce NPP (Slovak Republic)
- **2016 - 2018** Confirmation of contracts for the supply of valves for projects Akkuyu NPP, Paks NPP, El Dabaa NPP
- **2020** ARAKO is undergoing rebranding and changing its exiting Logotype

ARAKO PRODUCTION

VALVES FOR NUCLEAR ENERGETICS

We have been specializing in the production of nuclear valves for 43 years and we are able to offer following:

- Gate Valves
- Globe Valves with Bellows
- Quick-Acting Globe Valves with Bellows
- Check Valves
- Pneumatic Control Valves
- Globe Valves KIP with Bellows
- Globe Valves KIP with Packing

Gate Valves | PN 10-630 DN 40-500, 800

Gate valves are used where a minimum flow restriction of working medium is required. We offer a cast and forged Gate Valves with a rising or non-rising stem, with a flexible or split wedge, in a welded or flanged design, with a control: hand wheel, gearbox, electric drive, remote control and more.

Globe Valves | PN 10-630 DN 6-200

These valves are mainly used in power engineering, chemical industry and other industries where the functionality is required at high pressures and temperatures. The shut-off valve ensures 100% tightness of the closure. The control design with a profile closing element, usually of a parabolic shape, serves to throttle the working medium on the basis of specific flow parameters of the working substance. Valve bodies are made of cast and forged materials. Because of a longer service life, the hard facing of disc and body is provided with the hard metal of the type Stellite 6th.

Check Valves, Swing Check Valves | PN 10-630 DN 10-400

These valves protect the pipe section or equipment against harmful kickbacks of the working fluid. They open spontaneously by the pressure of the flowing substance and close by the effect of its back pressure or only by stopping the flow of the working medium. We produce our Check Valves and Butterfly Valves in a welded or flanged design, in a horizontal or vertical piping, both from a cast and forged materials.

Strainers | PN 10-320 DN 10-200

They are used to trap mechanical impurities contained in the working medium. Any impurities will remain in the filter element made of special technical fabric. For high pressures, a stainless steel double-layer screen, designed in a carrier cage.

Ball Valves | PN 10-63 DN 10-150

Industrial valves are bi-directional, designed to fully open or close the flow of the working medium. Three-piece construction connected with bolt srews, allows easy repair without the need to remove flanges. Tightness is ensured by a floating ball, housed in PTFE seats.

Others

In our portfolio we also include **Blow-Down and Continuous Blow-Down Valves**, and **Special Valves**, which is Energy reducer M25. They consist of a multi-stage body, with a stable system of orifice plates and vortex chambers, in which very high pressure drops are reduced, according to exact customer requirements.

OUR SERVICES

Service and production valves
Industrial valve development
Product cooperation
METALWORKING:

- lathe-turning
- milling
- grinding

WELDING
HEAT TREATMENT
METAL BLASTING
PAINTING
PRESSURE
(including nuclear production)

ARAKO FACTS

ARAKO spol. s r.o.
Legal form: Limited liability company
Identification number: 47152371
Founded in: 1992
Since 2007 the company belongs to the Russian holding Atomenergomash, engineering division of the State Corporation for Atomic Energy Rosatom.

STATUTORY AUTHORITY OF ARAKO

Managing director: ROVSHAN ABBASOV

EXECUTIVE MANAGEMENT:

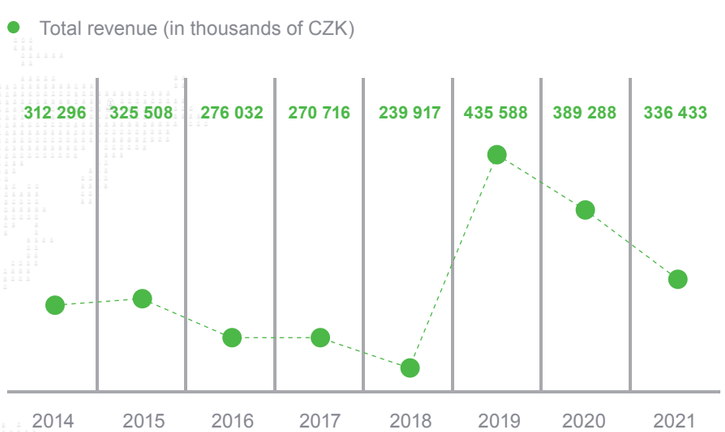
Julia Dolgusheva	Executive Director
Jaromír Petřkovský	Production Director
Patrik Chruňák	Quality Director
Petr Hlaváč	Commercial Director
Pavlína Koligová	Personnel Director
David Stanjura	Purchasing Director
Lenka Kavanová	Finance Director
Jegor Kirjanov	Project Director
Martin Klimša	Chief Designer
Josef Švamberg	Management representative for IMS

PARTNERS

AKCIONĚRNOJE OBŠČESTVO ATOMNOJE I ENERGETIČESKOJE MAŠINOSTROJENIE
Share: 497/650
Bolšaja Ordynka 24, Moscow, Russian Federation

Liges s.r.o.
Share: 153/650
Identification number: 27933270
Hviezdoslavova 2897/18, 746 01 Opava, Czech Republic

ARAKO NUMBERS



REFERENCES

NUCLEAR POWER PLANTS

CZECH REPUBLIC	TEMELÍN NPP 2 x 1000 MW, VVER 1000 DUKOVANY NPP 4 x 510 MW, VVER 440 ČEZ ENERGOSERVICE S.R.O. I & C ENERGO A.S.
SLOVAK REPUBLIC	MOCHOVCE NPP 2 x 470 MW + 2 x 440 MW, VVER 440 JASLOVSKÉ BOHUNICE NPP 2 x 560 MW, VVER 440
RUSSIAN FEDERATION	ROSTOV NPP 4 x 1000 MW, VVER 1000 KOLA NPP 4 x 440 MW, VVER 440 BALAKOVO NPP 4 x 1000 MW, VVER 1000 BILIBINO NPP 4 x 12 MW, EGP-6 NOVOVORONEZH NPP 1 x 417 MW, 1x 1000 MW, 2x 1200 MW, VVER 440, VVER 1000, VVER 1200 KALININ NPP 4 x 1000 MW, VVER 1000 LENINGRAD NPP 3 x 1000 MW, 1x 1200 MW, RBMK 1000, VVER 1200 SMOLENSK NPP 3 x 1000 MW, RBMK 1000 KURSK NPP 4 x 1000 MW, RBMK 1000 BELOYARSK NPP 1 x 600 MW, 1 x 800 MW, BN - 600, BN - 800
UKRAINE	ROVNO (RIVNE) NPP 1 x 420 MW + 1 x 415 MW + 2 x 1000 MW, VVER 440, VVER 1000 ZAPOROZHYE NPP 6 x 1000 MW, VVER 1000 KHMELNYTSKYI NPP 2 x 1000 MW, VVER 1000 SOUTH UKRAINE NPP 3 x 1000 MW, VVER 1000
BULGARIA	KOZLODUY NPP 4 x 440 MW + 2 x 1000 MW, VVER 440, VVER 1000 BELENE NPP 2 x 1000 MW, VVER 1000
BELARUS	BELARUSIAN NPP 2 x 1200 MW, VVER 1200
INDIA	KUDANKULAM NPP 4 x 1000 MW, VVER 1000, VVER 1200 KAIGA NPP 2 + 2 x 220 MW, PHWR RAJASTHAN NPP 4 x 220 MW, 1 x 200 MW, PHWR
LITHUANIA	IGNALINA NPP 2 x 1300 MW, RBMK 1500
HUNGARY	PAKS NPP 2 x 500 MW, 2 x 470 MW, VVER 400
CHINA	TIANWAN NPP 2 x 990 MW, 1 x 1050 MW, VVER 1000
BANGLADESH	ROOPPUR NPP 2 x 1200 MW, VVER 1200
TURKEY	AKKUYU NPP 4 x 1200 MW, VVER 1200

THERMAL POWER PLANTS, CHEMICAL, PETROCHEMICAL, GAS INDUSTRY

CZECH REPUBLIC	PRUNÉŘOV II / Power station TUŠIMICE II / Power station LEDVICE / Power station STRAKONICE / Heating plant TRMICE / Heating plant ZEVO CHOTÍKOV / Waste incineration plant DALKIA, ČEZ, ŠKODA JS, ČEPRO, UNIPETROL, PLYNOSTAV, MND
SLOVAK REPUBLIC	SES TLMAČE, SLOVENSKÉ ELEKTRÁRNE, U. S. STEEL KOŠICE, SLOVNAFT
POLAND	ELEKTROWNIE WARSZAWSKIE, ORLEN, PERN S. A., IDS-BUD S. A., PSJ HYDROTRANZIT
GERMANY	SIEMENS, SHELL, LINDE, STEINMUELLER BABCOCK, SCHROEDER VALVES, LYONDELLBASELL, VINNOLIT, SIEKMANN ECONOSTO
NETHERLANDS	KLINGER B.V.
AUSTRIA	OMV, BDI – BIOENERGY INTERNATIONAL AG
FRANCE	AREVA
RUSSIAN FEDERATION	KONAKOVSKAYA GRES / Thermal power plant SREDNEURALSKAYA GRES Thermal power plant SCHATURSKAYA GRES / Thermal power plant REFTINSKAYA GRES / Thermal power plant YUZNOURALSKAYA GRES / Thermal power plant NIZNEVARTOVSKAYA GRES Thermal power plant LUKOIL, GAZPROM, WASTE INCINERATION PLANTS IN THE MOSCOW REGION
BELARUS	MINERAL WAX PLANT JSC, AZOT GRODNO / Chemical power plant
KAZAKHSTAN	PAVLODARSKAYA / Thermal power plant
SWEDEN	VIMMERBY / Biomass power plant ABB
UNITED KINGDOM	BIRMINGHAM / Biomass power plant
TURKEY	SOMA, AFSIN ELBISTAN, YATAGAN, YENIKÖY, KEMERKÖY, TUNCBILEK, Thermal power plants
BANGLADESH	SIKALBAHA / Gas power plant
ROMANIA	CE OLTENIA ROVINARI / Thermal power plant TURCENI / Thermal power plant CRAIOVA I + II / Thermal power plant ISALNITA / Thermal power plant
CHINA	SHANXI DATONG NO 2 / Thermal power plant GUODIAN YUYUAN / Thermal power plant DATANG LINZHOU / Thermal power plant JIAOZUO WANFANG / Thermal power plant
BULGARIA	MARITSA 1 / Thermal power plant
LITHUANIA	AB LIFOSA / Chemical power plant
KUWAIT	SHUWAIK POWER / Distillation station AZ ZOUR SOUTH / Thermal power plant DOHA WEST / Thermal power plant
FINLAND	OY KONWELL
USA	SIEMENS

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