



The guiding force



AZ INTEC is the **universal supplier** amongst manufacturers of **fittings and piping technology** for

- Fluids
- Combustion gases
- Technical gases
- Medical gases
- Respiratory protection

Our production encompasses a wide range of **standard products** as well as **designs for special applications** for industrial partners



AZ INTEC has the right answer to all your challenges:

One of our areas of specialisation is the **development** and **design** of customised products

- from individual products
- to complete solutions.

Our **experienced team of engineers** is a competent partner **to operators and developers in the industry.**

We always provide in-house service and support.

AZ INTEC provides **solutions to all of your piping needs.**

In this area we are *the solutions provider* for **all aspects of piping technology.**

With numerous **representatives across Europe**, we are as international as our customers and clients.



History

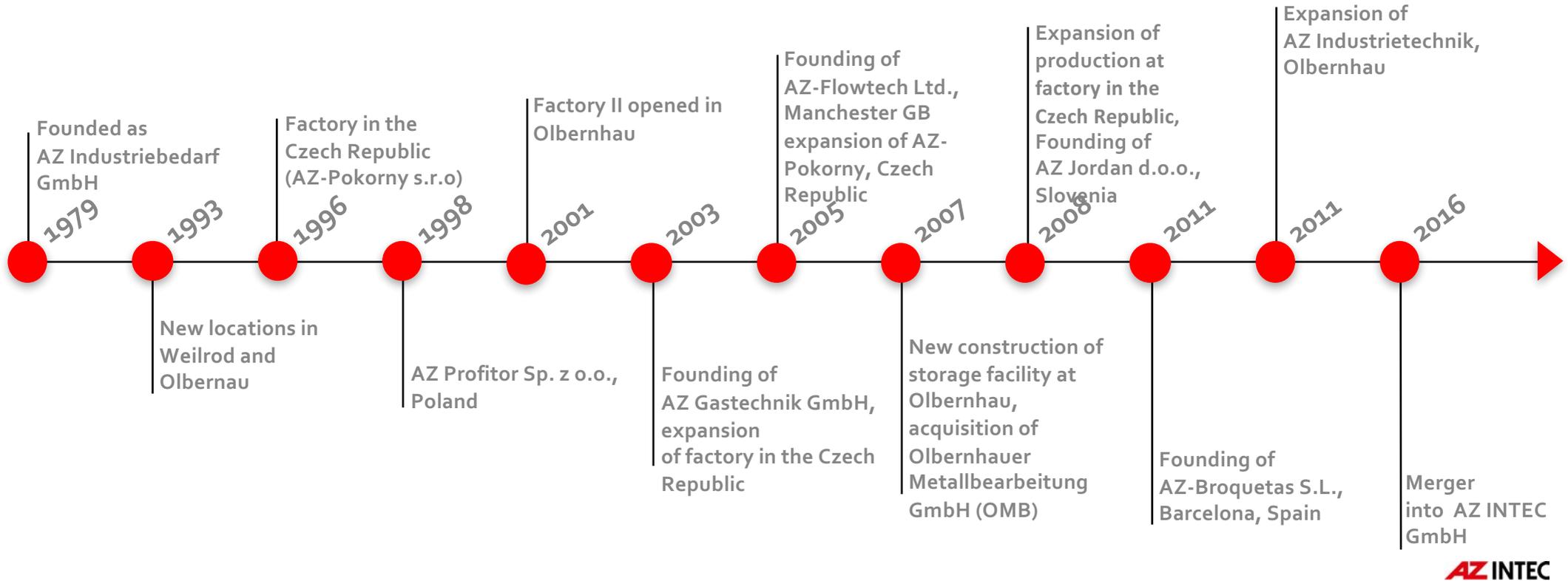
30 years of piping technology, fittings and natural gas components

Founded as
AZ Industriebedarf
GmbH
1979



History

30 years of piping technology, fittings and natural gas components



PRODUCTS



APPLICATIONS



AZ – YOUR PARTNER



PRODUCTS



APPLICATIONS



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AZ INTEC manufactures standard and special fittings characterized by a high degree of functional reliability, low-maintenance and ease of repair and operation. Our range of products includes:

Products

fittings

- Manufacture of valves from a wide range of materials according to application and performance requirements
- Certifications of fittings for use in the area of technical gases and combustion gases
- Manufacture of fittings according to medical standards for clean rooms
- Nominal widths up to DN 300, pressures up to 500 bar



- Customised products for draining, diverting, conducting and passing
- Implementation of tasks focused on optimising efficiency for industry
 - high pressure
 - adapted to installation space
 - poor access
 - critical media
 - functional integration
 - important survival functions
 - resistance to frequent switching cycles
- Standard fittings that must be adapted to their application in a cost-effective manner



- Creation of customised component assemblies adapted to specific tasks. For example
 - Heat transfer stations
 - Interconnection of various construction elements
 - Container closures with functional integration for monitoring
 - Custom fittings with functional integration
 - Pipes for transferring gases and data in medical technology.
- Optimised custom solutions by engineers and experts in production



- Ground-up corrugated tube production. From strip steel, the quality of which we monitoring closely in-house, to the finished final product
 - intertwining of products
 - encasing with plastic
 - attaching to connections
- Standard tubes in accordance with DIN 3383, DIN 3384, pipes in accordance with EN 14800
- Custom products according to function, design or price, from DN 6 through DN 250



- Piping in equipment, in buildings – for gases, water and other liquids
- Versatile repertoire of connection techniques for self-assembly from DN 8 through DN 50
- Connections as required
- Coating for corrugated pipe, e.g. for use in aggressive atmospheres
- Insulation for use in heating technology and cooling technology
- Special connection techniques
- Certified in accordance with numerous standards (EN 15266, GW 354, others)



- For high temperatures greater than 180 °C
- Flexible piping
- ENEC-compliant insulation
- Optionally with signal line or additional features
- Imprinting on request
- Packaging depending on requirements
- Connections: Plug connector, thread connector or combinations



Products

Custom pipes

- Development and manufacture of pipes in various pressure areas, up to 300 bar for gases
- Diverse requirements for cold, heat, electrical conductivity and functional integration can be met
- Pressure, medium, vibration, torsion and all other parameters
- Engineers available from design to connection



- The current standard is not always sufficient for attaining satisfactory results with regard to ease of assembly and efficiency
- We offer solutions for
 - coupling data and media
 - torsion-free connections
 - quick connection systems
- We have a large selection of standard connections
- We develop fittings and connecting elements for special requirements, for example
 - for special media
 - for special pressures
 - adapted to installation space



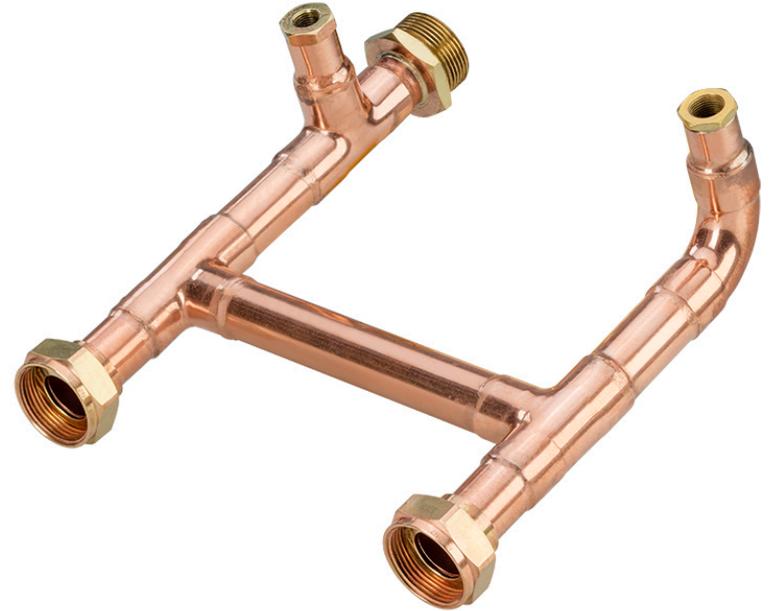
Products

Heat exchanger

- AZ INTEC corrugated pipe and corrugated tube products as a basis
- From pipe-in-pipe heat exchangers to use in storage systems
- Development of heat exchangers for specific applications
- From a heat exchanger to a combination of numerous heat sources and heat consumers
- Development of heat exchangers with special application- and material specific characteristics including
 - designs for an extreme number of switching cycles
 - for special media
 - for special pressures
 - adapted to installation space
 - free of nickel on request



- Development of piping for heating technology, heat engineering, cooling technology, medical technology – from use in heat pumps to large kitchen equipment to operating rooms
- Development with regard to functionality, quality and price; Integration of shut-off valves (automatic, manual), safety fittings or immersion sleeves for measuring probes
- Supporting development from the initial idea through to prototype construction and serial delivery
 - for special media
 - for special pressures
 - adapted to installation space



- Fittings for safely heating, ventilating, filling or emptying containers
- From special fittings for the transport of hazardous material by train container to the controlled ventilation of plastic containers
- Cost-effective and performance-oriented heating or cooling of containers with corrugated heat exchangers
- Planning, testing and realisation



PRODUCTS



APPLICATIONS



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Applications

Combustion gases

- Fittings, valves, connector elements, pipes and additional accessories for transporting, storing and distributing combustion gases
- Certified according to current standards
- Assembly production for the distribution of combustion gases in equipment to multiple consumers, with corresponding examination by a DVGW test institute on request
- Systems cover pressure ranges up to 100 bar and ANSI 600

**Ball valves | hoses | piping,
seat valves | connectors for regulators and
counters, safety valves, flashback | hatches,
support construction**

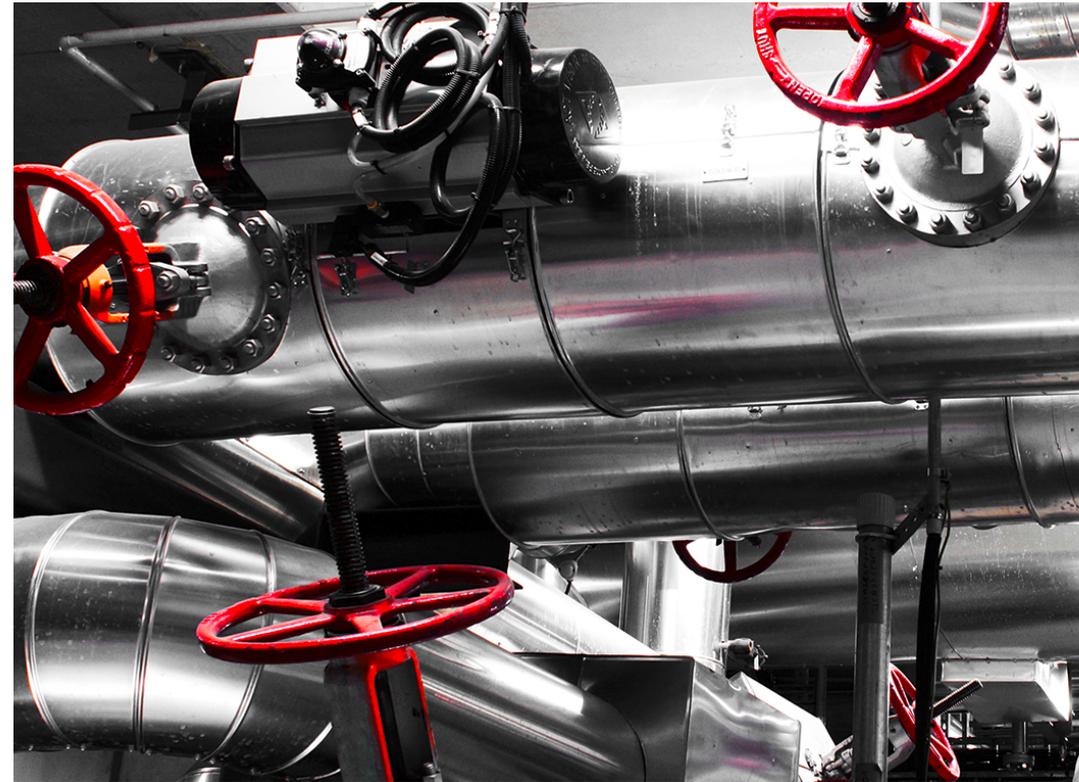


Applications

Technical gases

- Fittings, valves, pipes and accessories for technical gases and accessories for technical gases according to EN ISO 15001
- Gas mixtures, acetylene, oxygen, hydrogen or nitrogen
- Special purity grades for components
- Special designs according to needs
- Creation of complex assemblies

**Fittings | high pressure lines,
bottle connections | seat valves, low pressure lines,
assemblies,
hatches | piping | special assemblies**



Applications

Heating technology

- Products for generating, storing and distributing heat
- Storage heaters, heat transfer systems and heat exchangers in various forms and configurations for the storage of heat
- Pipes, fittings, valves according to specification, ENEC-compliant
- Systems according to the requirements of distributing combustion gases, water or other media

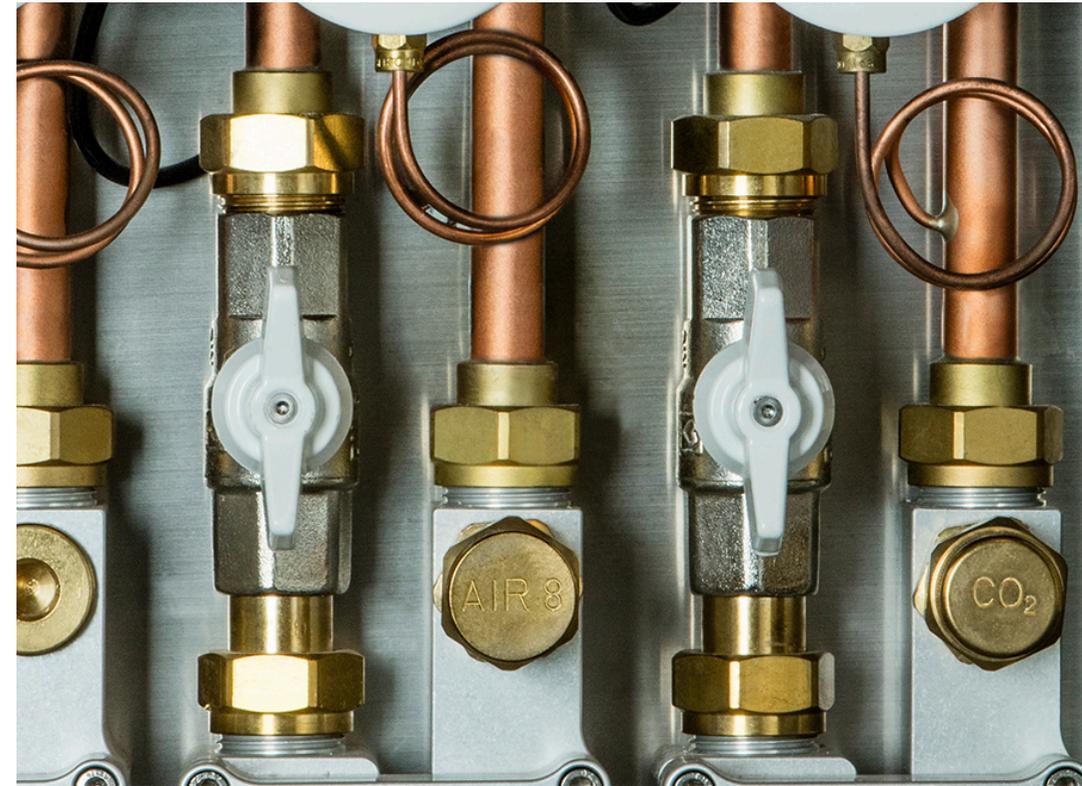
Fittings | hose assemblies for gas | assembly actuated fittings | gas piping, connection technology | heat transfer, safety technology | special assemblies



Applications

Medical technology

- Development of welding assemblies
- Assembling of distribution and connection systems
- Quality assurance and packaging of products according to customer requirements
- Special surfaces and surface finish



**Fittings | piping | metal piping
hoses | tubing | safety technology, gas sampling
points | assemblies | special assembly, cleaning**

Applications

Solar thermal energy

- Insulated corrugated pipelines, connection sets for collectors, connector sets for heat accumulators
- Complex assemblies for solar thermal cooling and heating
- System testing
- Serial production
- End customer-appropriate packaging

**Collector connectors | collector connection lines
assembly systems | heat transfer systems, pipe
insulation | connector sets**



- Save lives, ensure health, secure property
- High pressure, medium pressure and low pressure lines
- From design of the lines to integration of data or electrical lines
- According to standards for respiratory protection:
EN 137:2006, EN 145:1997, EN 145:1997/A1:2000,
EN 1146:2005, EN 14435:2004

Respiratory protection lines – low and medium pressure manometer connection lines, multi-chamber systems – breathing gas/data piping – high and medium pressure fittings distributors with and without check valves, special assembly and development



PRODUCTS



APPLICATIONS



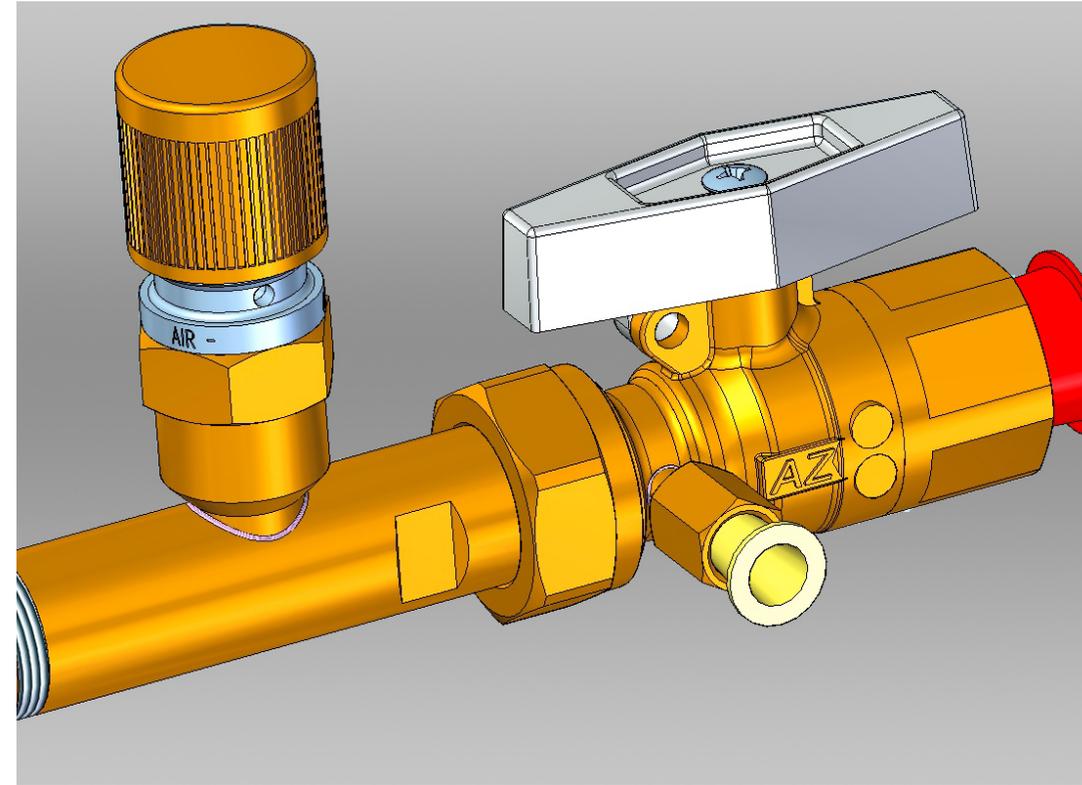
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- Individual solutions
- Engineers with more than 30 years of experience in the fitting industry
- Know-how and experience dealing with critical media in all branches of industry
- Development and realisation of solutions used in vehicle technology, aviation, medical technology, safety technology and several other areas with special requirements
- Experts in dealing with explosives, highly sensitive and pure gases



- Fittings, valves, pipes and accessories for technical gases, combustible gases, medical gases and the application of fluids
- Special purity grades for components
- Special designs
- For gas mixtures, acetylene, oxygen, hydrogen or nitrogen
- Soldering and welding joints enable complex assemblies



- Customers from the areas of heating technology, plant construction, medical technology, gas distribution, public utilities and all other areas of application
- Continued expansion of production facilities
- Utmost care and the highest quality minimise risks and protect the health of the end consumer
- Numerous approvals, audits and certificates certify the highest level of production
- At locations in Germany and the Czech Republic, products are developed, produced and inspected for a number of renowned international customers
- Conscious decision not to pursue market presence under the company's own name with its own brand
- Cleaning systems, clean rooms, logistics meet the strictest requirements



- Employees with many years of experience and state-of-the-art machines
- Individual manufacture of work pieces
- Delivery of read-to-use, processable parts – from the drawing to the finished product
- Optimally coordinated production solutions under constant monitoring of all details, specific requirements, costs and production safety



- Finely tuned processes are a success factor for AZ INTEC as a customer-oriented company
- Continuous optimisation of complete logistics processes
- Supply chain management – optimisation of complete logistics chain with interfaces – with the involvement of the suppliers and transport companies
- Harmonisation of internal logistics processes with external processes, e.g. via an IT connection (EDI)



- Ideal product availability
- Optimised, neutralised and safe packaging
- Individual packaging adapted to the products for particularly sensitive units
- Pendulum packaging or adjustment of packaging quantities
- Label, cartons, instruction manuals included according to customer requirements
- Use of freight forwarders, parcel service or express delivery
- Experience in handling customs formalities during transport outside of the EU
- Kanban procedures for industry customers directly on-site where needed



- As an OEM manufacturer with many years of experience, AZ INTEC manufactures reliably and in the quality required
- Since 1979
- Ability to innovative, uniform quality and know-how
- Fittings
- Pipes
- Assemblies
- Product packaging tailored to customer needs



- Numerous certificates and tests according to a variety of standards and regulations
- TÜV, DVGW or BAM tests according to customer requirements
- Production according to customer specifications, which in some cases considerably exceed standard requirements
- Quality requirements according to strict company standards for our own internal inspections
- Certified according to ISO 9001 and 14001
- We are a member of Connexio



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- Loyalty, reliability, appreciation and tolerance in our mutual activities
 - Tradition, independence and family ties
 - Employee responsibility coupled with cooperative management
 - Long-term commitment to our partners
 - Innovation and quality, continuous learning and continuous improvement of processes



The guiding force