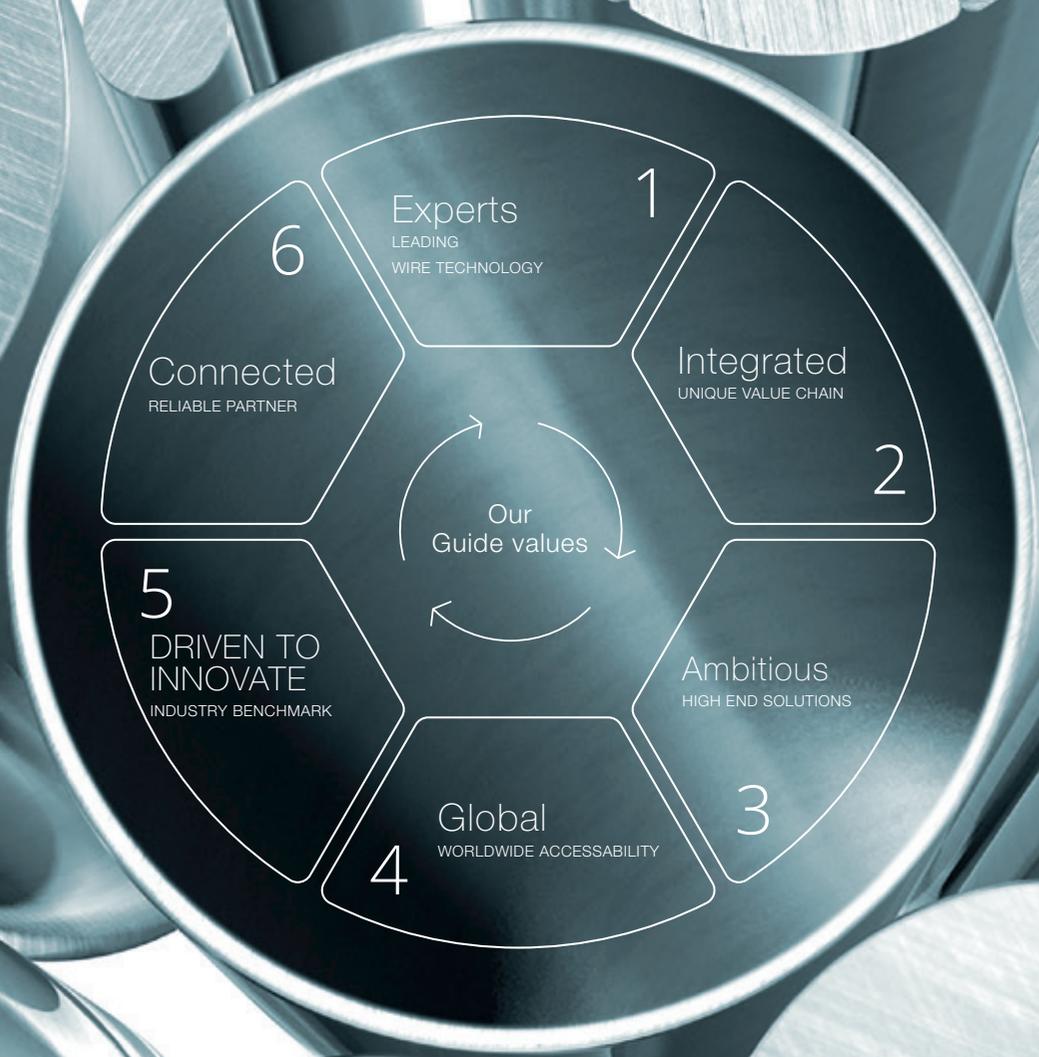


Customized Wire

Your experts for exacting requirements





High-end solutions for customer-specific requirements

You can expect more from voestalpine Wire Technology.

With our company know-how and our manufacturing capabilities we offer our customers a comprehensive solution. We simply aspire to help our customers make their products and projects more successful.



Not all wire is the same. We are your partner when it comes to meeting exacting requirements or providing solutions for special applications. This is our aspiration, for which we have defined six guide values:

Wire technology expert:

Our knowledge about all aspects of demanding wire solutions is the basis for maximum customer benefit, and it guarantees that we are one step ahead.

Integrated:

By means of our Total Performance Chain, we control all the processes in the value chain like no other; from iron ore processing and steel production right through to final drawing. This ensures the highest quality, process stability and flexibility for our customers.

Ambitious:

Our ambition is to exceed customer expectations. We do this by going beyond existing industry standards, offering premium quality in all our services.

Global:

Our products and sales network represent us internationally so that we are available locally at all times as your strong, experienced partner.

Driven to innovate:

We never stop advancing our products and processes, setting new industry benchmarks.

Connected:

We have long-term partnerships with our customers, we understand the challenges they face and we improve ourselves together.



TOP in quality and flexibility

Total Performance Chain - our integrated value chain from the mines through to the wire

voestalpine Wire Technology has a value chain unique in the industry.

Total competence in all development, production and process steps, our TOP chain -

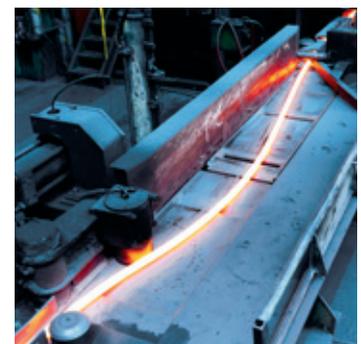
Total Performance Chain - offers:



Iron ore extraction



Steel production



Wire rod production



Short development times
 enabled by the close networking of experts for steel production and wire processing in our own R&D centre and by using state-of-the-art simulation techniques, as well as by cooperating with R&D partners such as the University of Leoben.

Top priority for quality
 enabled by integrated quality control and traceability right back to the iron ore.

High flexibility
 enabled by short communication channels and comprehensive competence under one corporate roof - from steel production, hot rolling, surface and heat treatment to the production of special wires.



Heat and surface treatment



Manufacture of wire products



Research and development



Understanding gives an edge

We focus on industries with exacting requirements

Different industries face different challenges.

The decisive parameters, however, are the same in every industry: they all demand technically and economically convincing solutions that exactly meet their specific requirements, which are provided quickly and reliably.



We are more than just production. Being a development and service partner, we create added value for our customers. Our experts possess a broad knowledge of the industry and are in close contact with our customers, contributing solutions, driving projects forward to the production stage and ensuring the smooth handling of the project.

voestalpine Wire Technology is your partner when it comes to implementing projects efficiently. Our wire solutions are in demand wherever requirements on quality, safety and precision are high, for example in the following industries:

Automotive
Energy
Construction

Mechanical engineering
White goods/consumer goods
Railway systems

We also have long-standing partnerships with customers from other industries.



Rollers for bearings



Sparkplugs



Valve springs, valve spring retainers



Wire solutions for the automotive industry.

Whether engines, gears, suspension, brake or restraint systems - wire solutions by voestalpine Wire Technology have convinced renowned automotive suppliers and manufacturers worldwide.

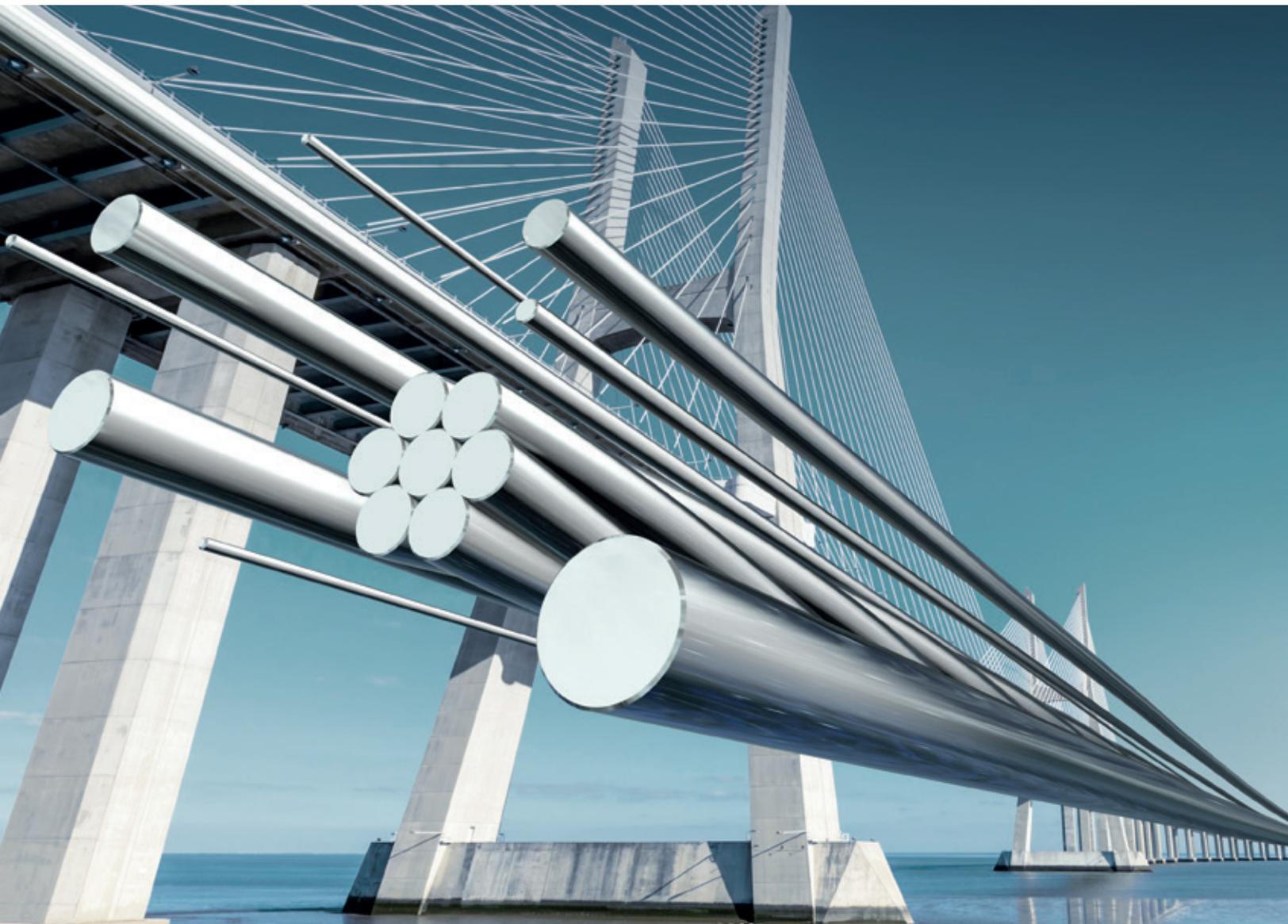
WE ARE EXPERTS IN	POSSIBLE APPLICATION
Cold heading wire / cold extrusion wire	Safety components, engine bolts, valve spring retainers, ball studs, sparkplug casings
Roller bearing steel wire	Roller bearings, cone bearings, ball bearings
Flat and shaped wire	Safety rings, sliding sleeves for bearings, pins for timing chains
Welding wire	Alloyed welding applications for safety components
Spring steel wire	Clutch springs, springs for shock absorbers, valve springs
Freecutting steel wire	Fixing elements, sliding collars

Premium quality convinces premium manufacturers



Wheel bolts

Being the leading supplier of wire rod and drawn wire, we are your reliable partner, offering an exceptionally broad range of products. The comprehensive portfolio from a single source is just one of the advantages of voestalpine Wire Technology. So are adherence to schedules and short development times. Special products such as cold heading wire for high-strength engine bolts that are needed in lightweight automotive design, combine with their unrivalled consistency of properties and quality.



WE ARE EXPERTS IN

POSSIBLE APPLICATION

Prestressing wire

Concrete sleepers, reinforced concrete pipes

Prestressing strands

Prestressed prefabricated parts, ground anchors, large containers (LNG tanks), lifting technology for heavy loads, stay cable bridges, prestressing and post-tensioning technology in bridge construction

Prestressing wire,
prestressing strands





Safety builds on quality

Wire solutions for the construction industry.

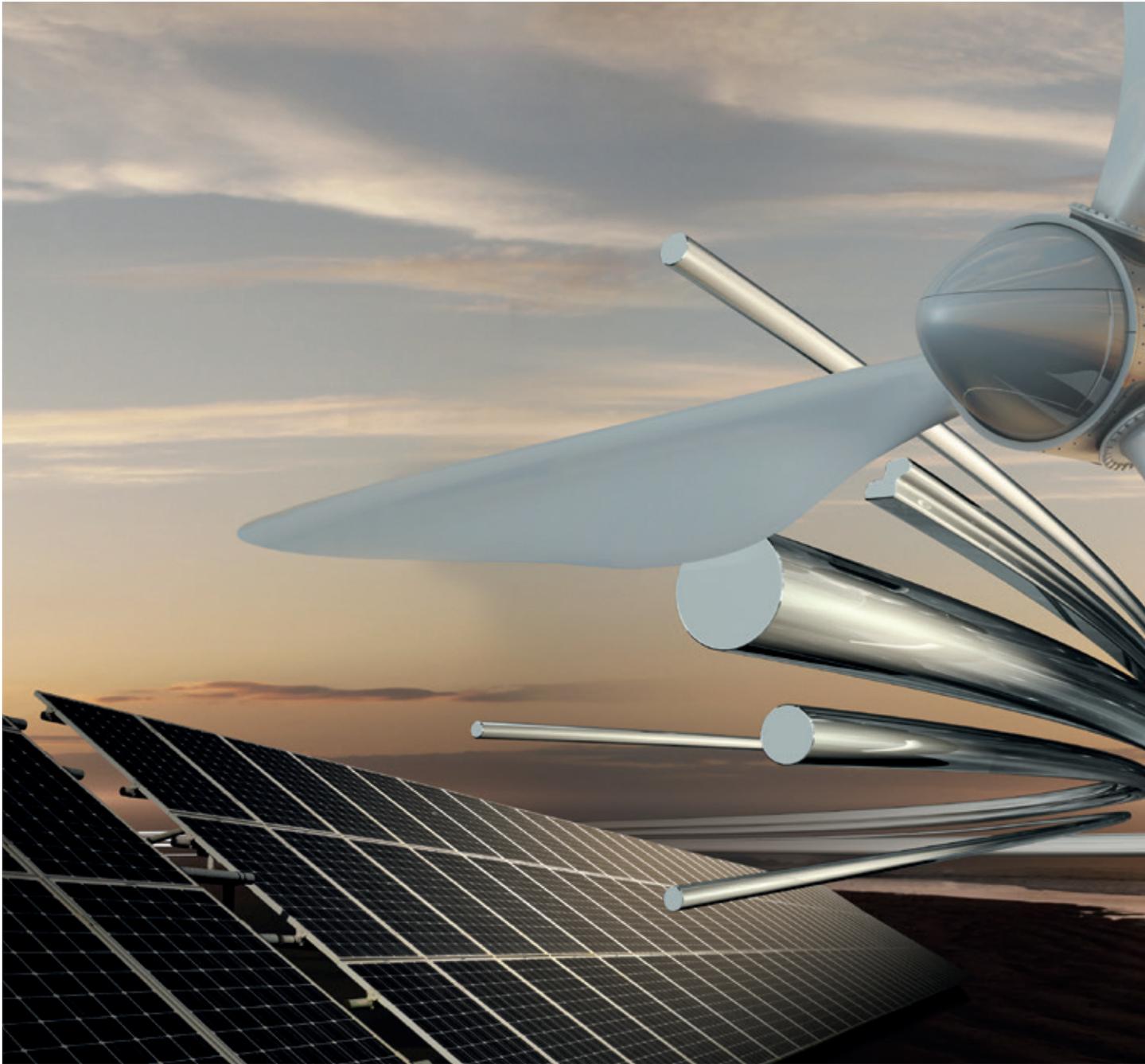
That is what our customers can build on: voestalpine Wire Technology has the optimum solution when high static requirements have to be met.

The range includes applications in bridge construction (prestressed concrete construction, external prestressing tendons) to stay cable bridges and lifting technology for heavy loads. Another core competence is the prestressing of concrete sleepers for high-speed railway sections, precast concrete parts, carpark floors and flat slabs.

Our prestressing steels are first choice wherever major forces have to be transferred or absorbed reliably and efficiently. Whether used in stay cable bridges, bridge abutments or for supporting embankments and retaining walls - our products provide for durable safety. Additionally our coating technologies ensure maximum stability and reliability. Special testing such as chemical analysis, tensile, deflected tensile, relaxation, corrosion and fatigue testing is carried out in our accredited laboratories and are included in our scope of services, as is additional surface coating and corrosion protection (zinc coating, plastic coating).



Prestressed ties



Reliability has future

Wire solutions for the energy sector. Whether used in oil and gas production deep below the sea, under the constantly changing load conditions occurring in wind turbines or in waste-minimising precision cutting of solar panels - the products of voestalpine Wire Technology can be relied on.

In the oil and gas industry, our flat and shaped wires have proven their worth in flexible lines, wire-wrapped screens and umbilicals. In the drawn wire segment, prestressing wire or prestressing strands are supplied for use in building wind turbine towers and LNG tanks. Our ultra-high-strength fine wire is highly rated for cutting silicon wafers.



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Flexipipes

WE ARE EXPERTS IN	POSSIBLE APPLICATION
Flat and shaped wire	Flexipipes, wire-wrapped screens, umbilicals
Prestressing wire	LNG tanks
Prestressing strands	Wind turbine towers
Saw wire	Silicon wafer cutting



At voestalpine Wire
Technology, flexibility
and customisation
begin with the steel
production

Customisation meets flexibility Our product portfolio

The primary material for wire production is produced in the voestalpine steel mill in Donawitz, where it is possible to produce customised compositions of smaller melting batches. The globally unique round continuous casting is the basis for the high product quality of the wire rod, which is subsequently produced in the world's most modern wire rod mill of the nearby rolling mill. The specialised wire production plants of voestalpine Wire Technology produce high-grade drawn wire for various applications. This close integration and proximity is the basis for customer-specific solutions setting the benchmark in the market.

Our products are convincing with highest quality, consistency in mechanical values and microstructure, as well as geometry and surface quality. We offer:

Wire rod for highest quality standards including surface and heat treatments.

Drawn wire featuring a high degree of customisation for special applications: cold heading wire, roller bearing wire, flat and shaped wire, spring steel wire, freecutting steel wire.





The best basis for best wires

Wire rod for highest quality requirements

We set the standard for wire rod. Our production facilities in the world's most advanced wire rod mill enable us to offer customised solutions with coil weights of up to 3.0 tons. Many international customers rely on our wire rod solutions for the production of:



- Cold heading wire and cold extruded parts
- Roller bearings
- Springs
- Chains
- Welding wire
- Prestressing steel
- Saw wire

We supply wire rod including

- Heat treatment: soft annealing, AC (annealed to spheroidal cementite)
- Surface treatment: pickling, phosphating, soaping, polymer and lime coatings



Know-how shapes success

Top-quality cold heading wire featuring the best formability

The production of cold heading wire is a core competence of voestalpine Wire Technology. Our capacities for annealing and heat treatment are the largest worldwide. We are the international market leader in the field of cold heading wire.

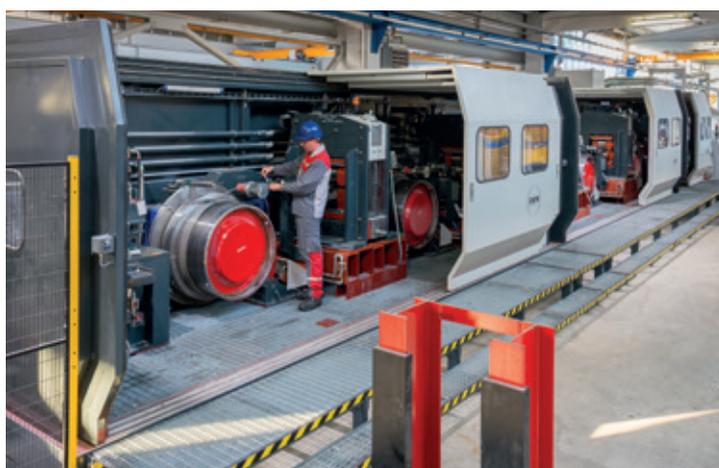
Leading companies in the automotive supply, mechanical engineering and metal construction industries rely on our cold heading wire quality. We guarantee, among other things:

- Highest quality, based on round continuous casting for producing the primary material
- Best formability due to thermo-mechanical rolling
- Top surface quality and closest diameter tolerances
- A wide range of chemical compositions and mechanical properties
- A wide variety of microalloyed cold heading wire grades with tightest tensile ranges and optimised micro structures
- Ultra-high-strength cold heading wires
- Phosphate-free surface finish - an innovation developed by voestalpine Wire Technology



Diversity ensures profile

Shaped wire from ultra-soft to high-strength



Whichever form you need - we are the right partner for you. We offer a wide range of rectangular or trapezoidal profiles, square and semicircular wires, and we are the sought-after specialist for the development of customer-specific profiles. Our drawn and rolled flat or shaped wires with cross sections of 8 mm² to 200 mm² meet the very highest quality standards.

Our long-term partnerships with customers in the oil and gas industries, automotive sector, mechanical and agricultural engineering are testament to the trust placed in the quality of our products and the development competence of voestalpine Wire Technology.



Competence proves strength

Specialist for prestressing wire and prestressing strands

Our proven prestressing wire reinforces prefabricated concrete parts, concrete sleepers, girders, reinforced concrete pipes and much more. The prestressing strands provide stability in many fields, from bridge construction to heavy lifting technology.

By offering various types and forms of delivery we ensure a strong solution, in every case. We offer:

Prestressing wire

- With smooth and indented surface
- Delivered to customer specifications (coils, bars, hair pins)

Prestressing strands

- 7-wire-strand
- With very low relaxation
- In various cross sections
- Oiled, galvanized, greased or waxed
- Plastic-coated



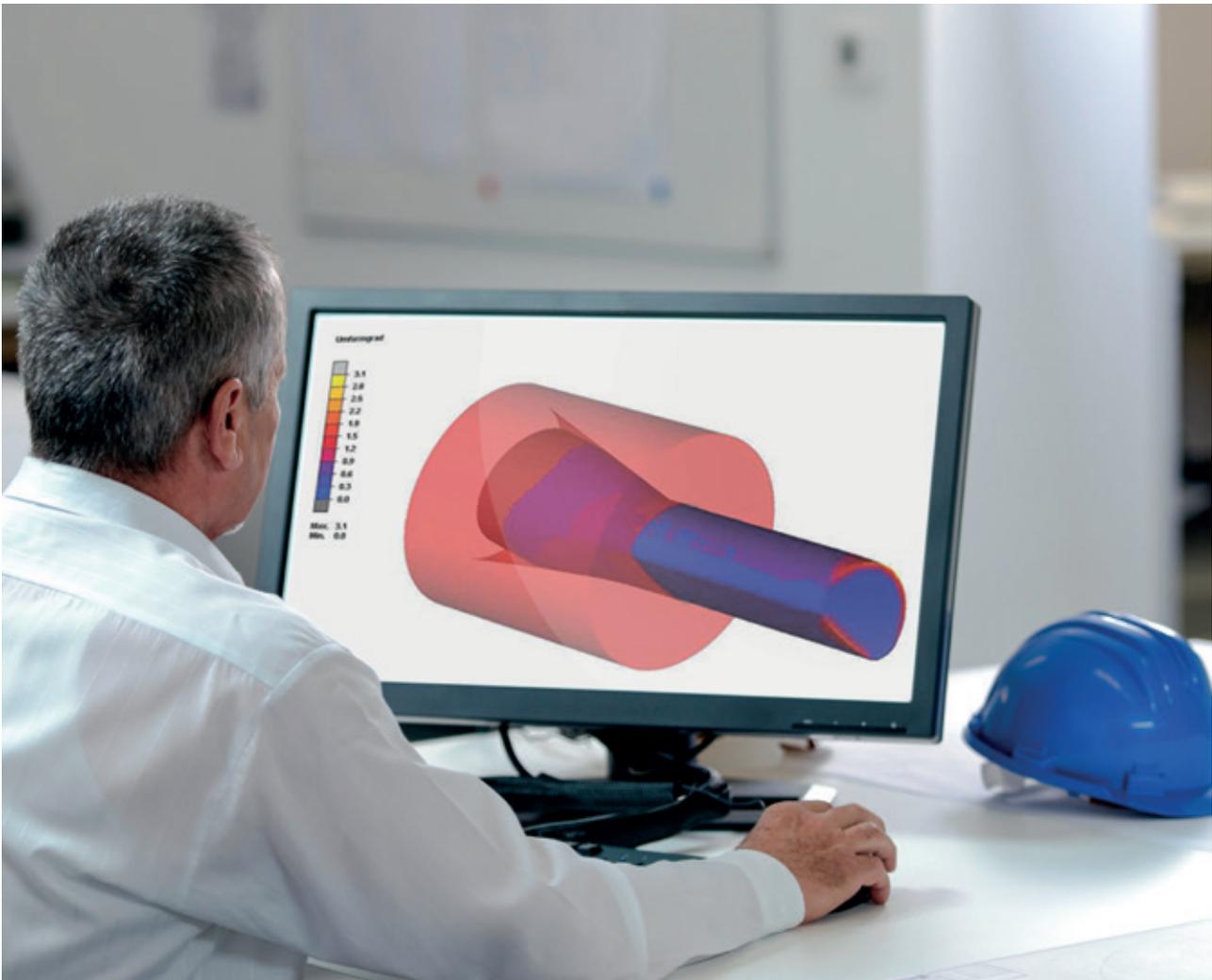
Precision needs perfection

Saw wire for maximum sawing miles

We use high-quality primary materials to produce ultra-high-strength fine saw wire featuring optimum material properties adapted to the specifications of our customers.

Safety, precision and reliable performance under high loads are some of the advantages of our products. We offer:

- Customer-specific developments
- Diameter 80-175 μm
- Brass-coated surface
- State-of-the-art coiling technology



We know our stuff

More service creates added value

Cooperation and flexibility are core values of voestalpine Wire Technology and the basis of our services. Long-term customer and development partnerships underline the trust in our company, demonstrate our ability to innovate, confirm our constantly high quality and strict adherence to delivery schedules.

We guarantee

- Process optimisation starting with the materials development due to close cooperation
- Data integration and electronic data exchange
- Simulation services for cold and hot forging to identify critical forming steps at an early stage, reducing the need for elaborate testing, or even making it unnecessary.
- Highest flexibility of quantities and product specifications, combined with quick implementation of orders due to our integrated Total Performance Chain
- Short lead times due to optimised stock keeping
- Customer-oriented logistics solutions

Internationality guarantees customer proximity

voestalpine Wire Technology – As a global partner, voestalpine Wire Technology is represented worldwide through its companies and sales branches.

Our experts are ready. Talk to us and benefit from the customised solutions for your wire products and your logistics.



Your experts for wire rod and drawn wire

voestalpine Wire Technology

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voestalpine Wire Germany

Finsterwalde, Germany

voestalpine Wire Italy

Nervesa della Battaglia, Italy

voestalpine Special Wire

Fürstenfeld, Austria

voestalpine Wire Suzhou

Suzhou, China



voestalpine Wire Technology – Customer solutions that will satisfy you all around

voestalpine Wire Technology is the expert for exacting tasks and customised solutions in the field of wire rod and drawn wire. Offering experience, knowhow and commitment, the experts of voestalpine Wire Technology propose a comprehensive, technical and economically convincing solution.

This makes voestalpine Wire Technology an international leading supplier of wire rod and drawn wire, as well as the European market leader for cold heading wire.