

BUSINESS MODEL AND FACTS 2022/23

Investor Relations

voestalpine GROUP

voestalpine GROUP

SUCCESSFUL BUSINESS MODEL

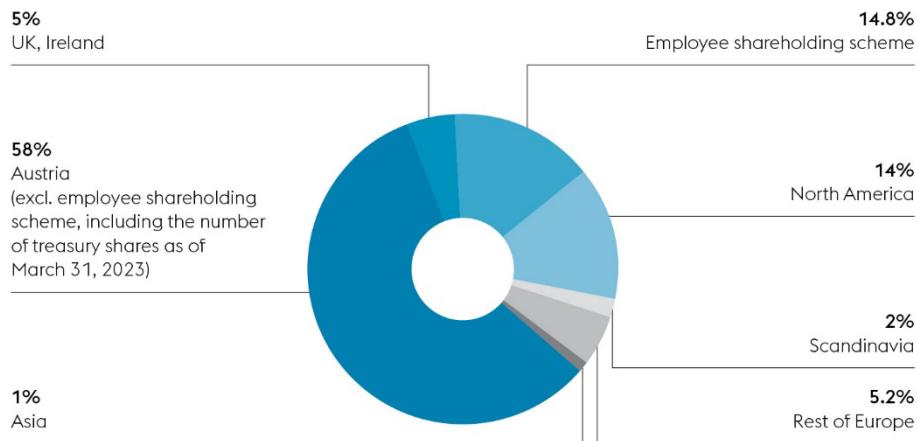
voestalpine - a leading technology group

- » voestalpine is a leading technology group with combined materials and processing expertise
- » Its business units hold top positions globally
- » The group focuses on **product and system solutions based on steel and other metals** of the highest quality in technology-intensive industries and niches
- » Clear focus on the most promising long-term strategic sectors, such as **mobility** and **energy**
- » Long-term relationships with customers, suppliers, and R&D institutions as **key drivers of innovation**



All business units are in the top 3 in Europe or worldwide

voestalpine GROUP OWNERSHIP STRUCTURE



Largest individual shareholders (as of March 31, 2023)

Raiffeisenlandesbank Oberösterreich Invest GmbH & Co KG	< 15 %
voestalpine Mitarbeiterbeteiligung Privatstiftung	14.8 %
Oberbank AG	8.0 %

Information regarding shares

Share capital	EUR 324,391,840.99 divided into 178,549,163 no-par-value shares
Shares in proprietary possession as of March 31, 2023	5,898,220 shares
Market capitalization as of March 31, 2023 Based on total number of shares minus repurchased shares	EUR 5,400,521,497.04

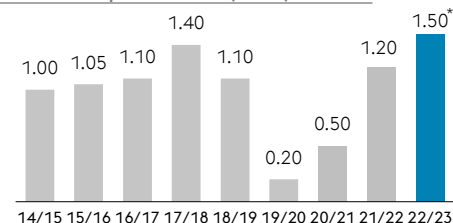
voestalpine GROUP

INVESTMENT INTO voestalpine SHARES

Strong focus on the creation of sustainable shareholder value

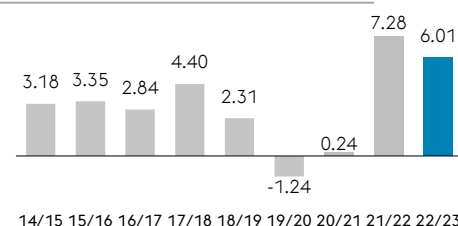
- » voestalpine, a listed company for more than 25 years – total shareholder return since IPO: 895% (as of March 31, 2023)
- » Proven, solid business model - leading market positions in major business segments based on innovative product solutions
- » Dependence on “classic” steel cycle limited due to consistent focus on high-quality “downstream” niche products
- » Reduced earnings volatility due to sound business model with broad diversification of products by both region and industry
- » Long-term growth perspective in downstream businesses
- » Leading European position in efficiency & profitability

Dividend per share (in €)



*As proposed to the AGM

EPS – earnings per share (in €)



Continuous dividend payment since IPO in 1995 – average dividend yield 3.6%

voestalpine GROUP MANAGEMENT BOARD



Herbert Eibensteiner

Chairman of the Board (CEO)

Started with voestalpine in 1989, Member of the Board since 2012



Robert Ottel

Chief Financial Officer (CFO)

Started with voestalpine in 1997, Member of the Board since 2004



Hubert Zajicek

Head of Steel Division

Started with voestalpine in 1993, Member of the Board since 2019



Franz Kainersdorfer

Head of Metal Engineering Division

Started with voestalpine in 1996, Member of the Board since 2011



Franz Rotter

Head of High Performance Metals Division

Started with voestalpine in 1981, Member of the Board since 2011



Peter Schwab

Head of Metal Forming Division

Started with voestalpine in 1993, Member of the Board since 2014

The Members
of the Board
have had
**a long-term
commitment
and years of
experience**
within
voestalpine
Group!

voestalpine

ONE STEP AHEAD.

voestalpine GROUP PRODUCTION & SALES SITES



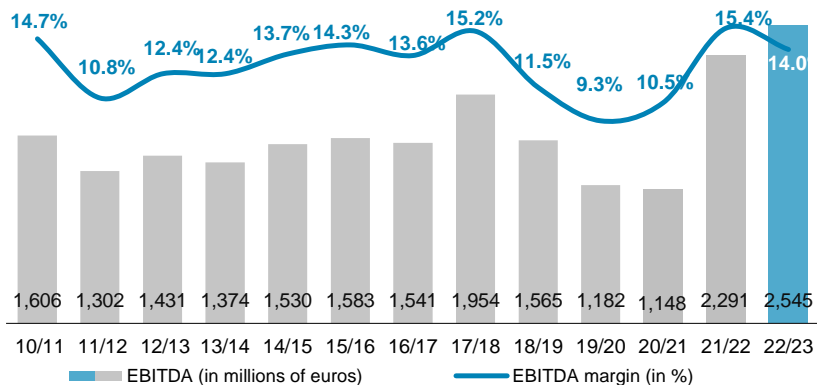
One Group – 500 sites – 50 countries – 5 continents

voestalpine GROUP

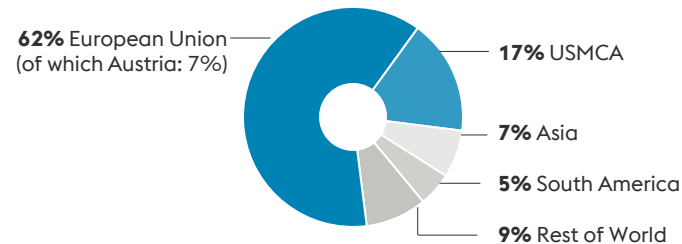
KEY DATA

voestalpine Group (revenue breakdown for 2022/23 (EUR 18.2 billion))

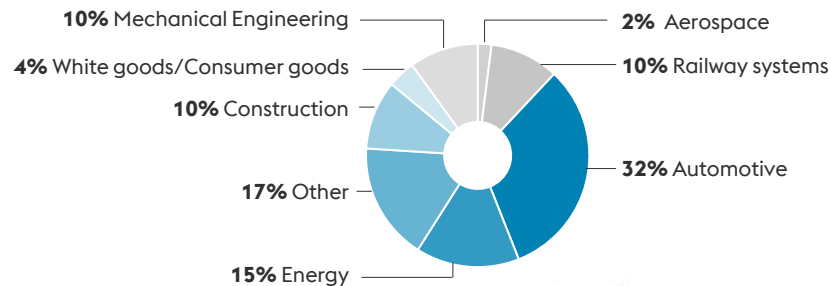
- Technology corporation with headquarter in Linz, Austria
- Diversified by markets, products and regions
- Based in Europe with international growth strategy
- Market focus on mobility and energy segments



By region (as percentage of divisional revenue)

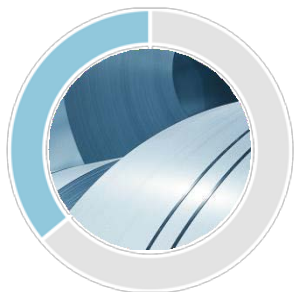


By industry sector (as percentage of divisional revenue)



voestalpine GROUP BY 2022/23

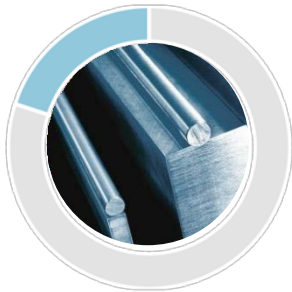
COMPANY STRUCTURE AND MARKET POSITIONS



Steel Division

worldwide quality leader
36% share of business volume

in highest quality [strip steel](#), and market leader in [heavy plate](#) and [foundry products](#) for the most sophisticated applications in the energy sector.



High Performance Metals Division

global leadership
20 % share of business volume

in [tool steel](#), as well as leading position in [high-speed steel](#), [aero-space materials](#), [special steel parts](#), and [powder technology](#). Innovation leader in [additive manufacturing](#).



Metal Engineering Division

global leadership
23 % share of business volume

in [railway systems](#); global provider of complete welding solutions; European technology leader in premium [wire products](#); and preferred provider of high-tech [seamless tubes](#) for the oil & natural gas industry as well as for industrial applications.



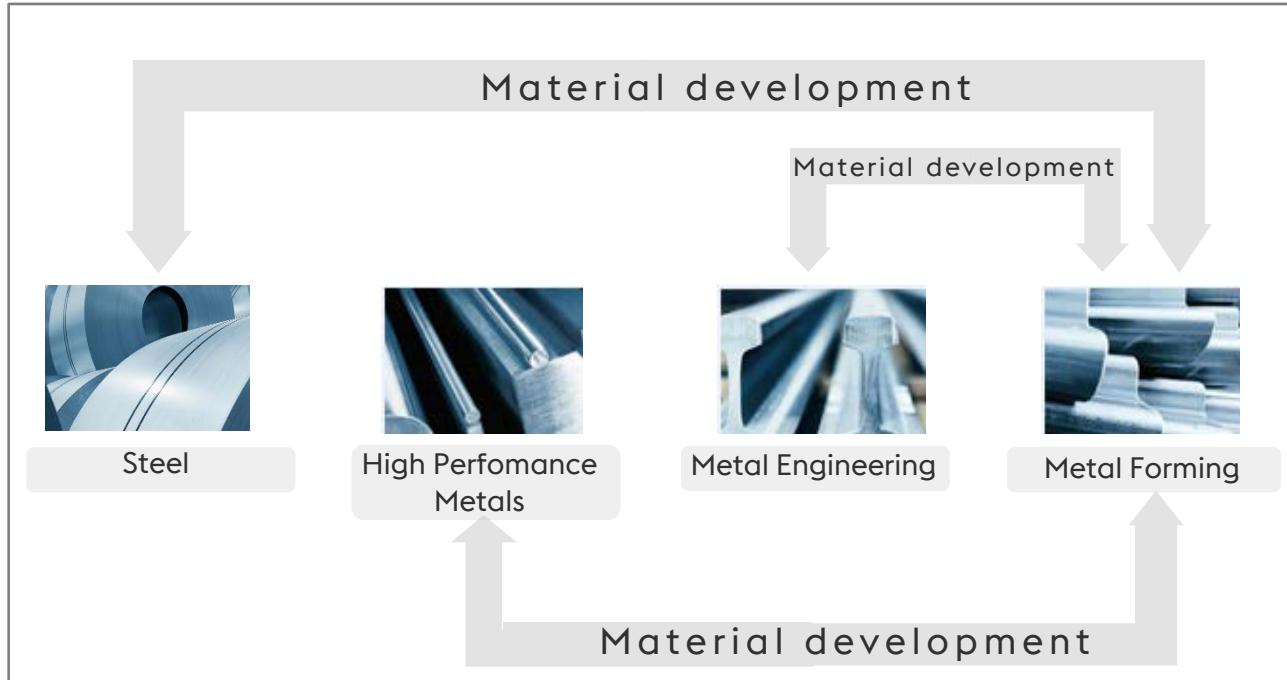
Metal Forming Division

global leadership
21 % share of business volume

in defined niches that require the highest quality and the most sophisticated technology for [metal processing solutions](#) with a global network that generates the best possible customer value.

voestalpine GROUP

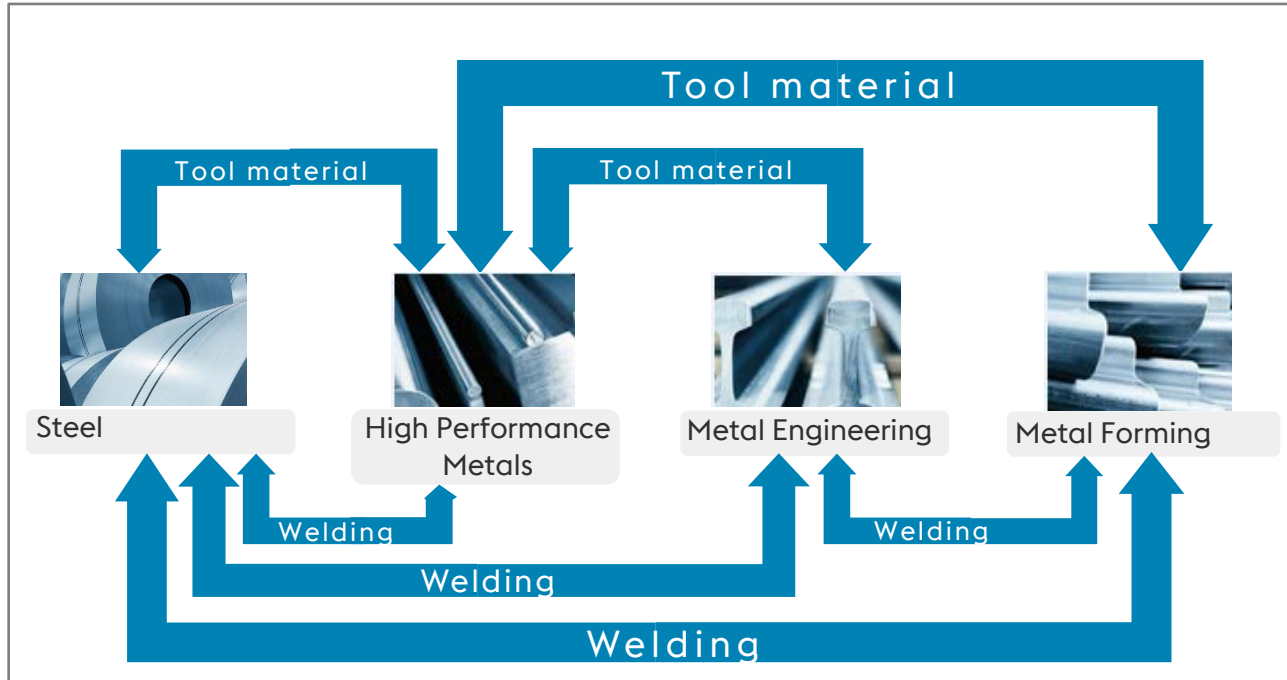
COLLABORATION WITHIN THE GROUP



- » Group-wide R&D projects
- » Combining metallurgical know-how of the Steel Division with the processing know-how of the Downstream Divisions
- » Deep understanding of technical requirements along the value chain
- » Joint development of new grades of materials and new products

voestalpine GROUP

COLLABORATION WITHIN THE GROUP

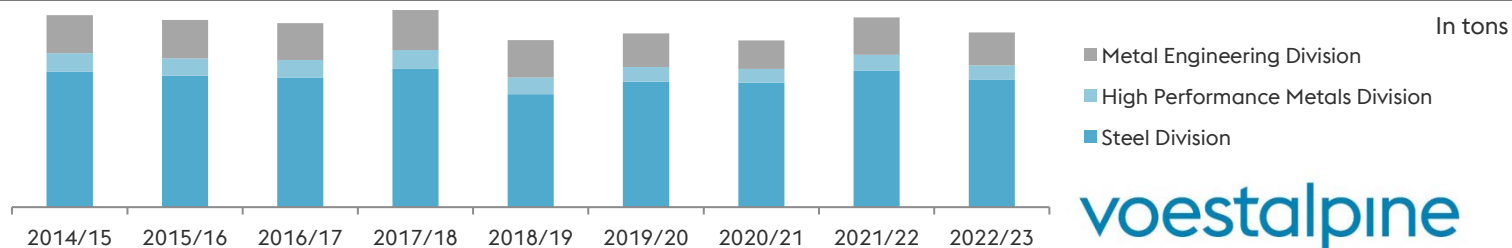


- » Special materials (high-strength and ultra high-strength steels, ultra wear-resistant heavy plate and rails) require specialities in processing (tool steel) and joining (welding consumables)
- » voestalpine is a one-stop shop for special materials and components and appropriate solutions for processing and joining

voestalpine GROUP

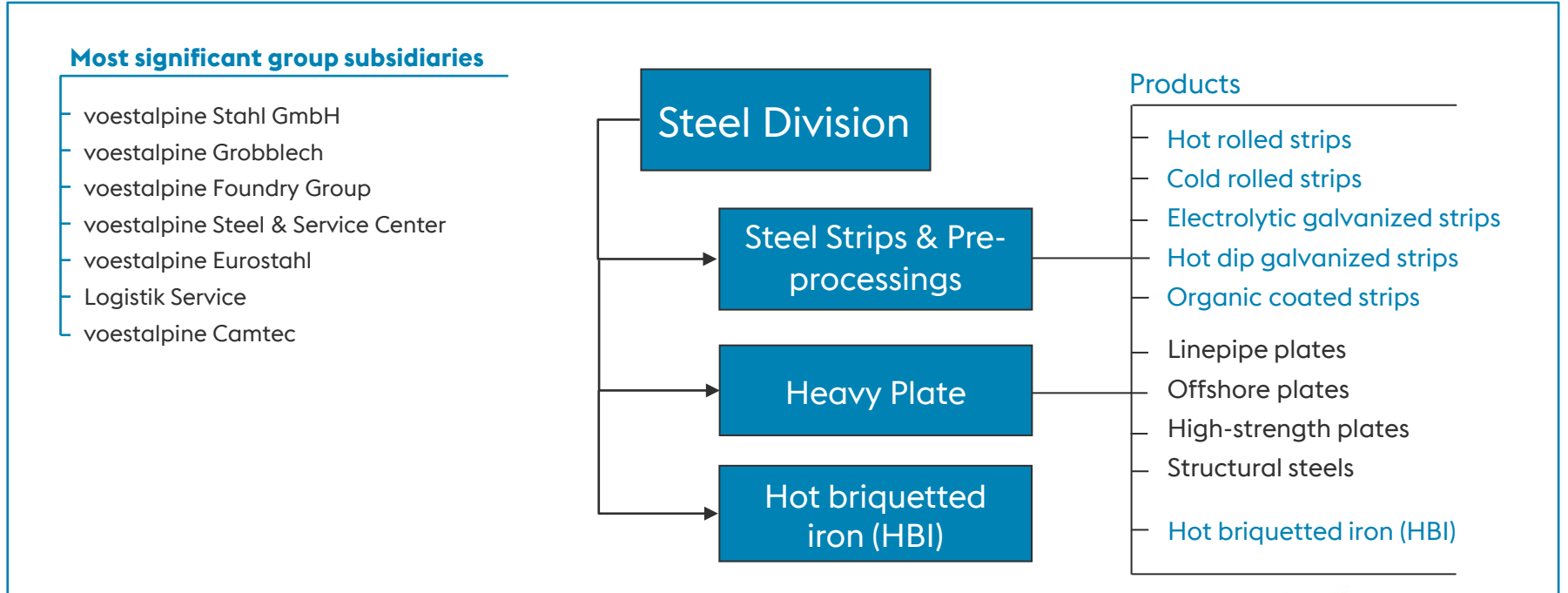
CRUDE STEEL PRODUCTION

	Steel Division	High Performance Metals Division	Metal Engineering Division	Group
BY 2014/15	5,583,895	774,665	1,570,000	7,928,559
BY 2015/16	5,429,051	712,698	1,591,591	7,733,340
BY 2016/17	5,333,435	745,941	1,516,615	7,595,991
BY 2017/18	5,712,004	775,006	1,653,173	8,140,182
BY 2018/19	4,666,285	682,948	1,545,308	6,894,541
BY 2019/20	5,173,096	614,339	1,385,491	7,172,925
BY 2020/21	5,135,754	575,983	1,169,964	6,881,701
BY 2021/22	5,626,566	656,096	1,555,136	7,837,797
BY 2022/23	5,271,108	575,681	1,362,152	7,208,941



STEEL DIVISION

STEEL DIVISION GROUP STRUCTURE



STEEL DIVISION PRODUCTION & SALES SITES



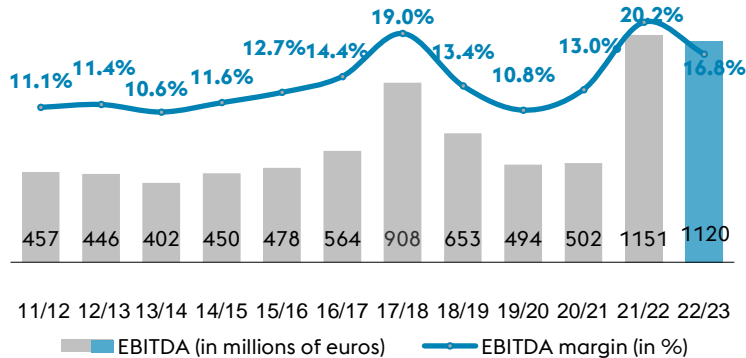
STEEL DIVISION

KEY DATA

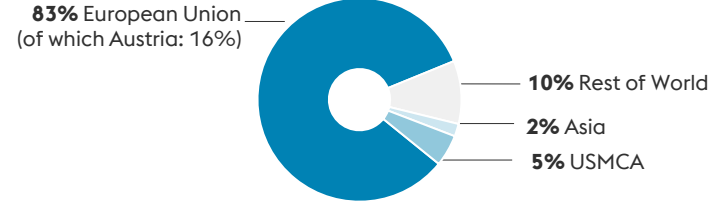
STEEL DIVISION (revenue breakdown 2022/23 (EUR 6.7 billion))

Global quality leadership

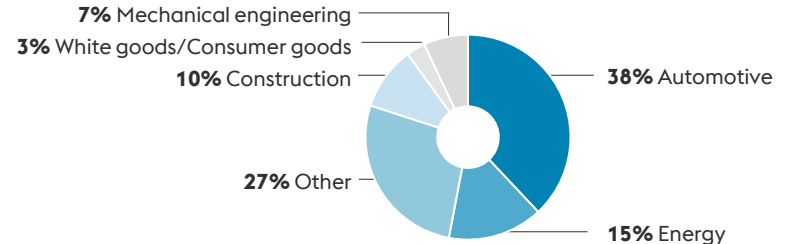
Global quality leadership in highest quality strip steel, and market leader in heavy plate and foundry products for the most sophisticated applications in the energy sector.



By regions (as percentage of divisional revenue)



By industry sector (as percentage of divisional revenue)



STEEL DIVISION PRODUCTION & SHIPMENT FIGURES (IN TONS)

Production	Crude steel	Shipments	Heavy Plate	Hot rolled	Cold rolled	Surface tr.	Misc.	Total
Q1 2019/20	1,342,184	Q1 2019/20	116,770	267,560	241,770	589,130	2,740	1,217,970
Q2 2019/20	1,243,247	Q2 2019/20	120,755	225,610	221,011	565,952	2,893	1,136,221
Q3 2019/20	1,205,307	Q3 2019/20	121,477	242,247	220,106	558,950	3,114	1,145,893
Q4 2019/20	1,382,358	Q4 2019/20	114,947	294,002	278,451	640,257	3,124	1,330,781
BY 2019/20	5,173,096	BY 2019/20	473,949	1,029,419	961,337	2,354,290	11,871	4,830,866
Q1 2020/21	1,027,468	Q1 2020/21	74,239	182,584	182,738	371,868	2,983	814,413
Q2 2020/21	1,218,584	Q2 2020/21	109,704	247,022	244,857	571,977	2,903	1,176,463
Q3 2020/21	1,422,981	Q3 2020/21	69,121	290,150	285,758	646,008	2,729	1,293,765
Q4 2020/21	1,466,720	Q4 2020/21	124,430	316,350	300,700	639,300	2,470	1,383,250
BY 2020/21	5,135,754	BY 2020/21	377,494	1,036,106	1,014,053	2,229,153	11,085	4,667,891
Q1 2021/22	1,421,309	Q1 2021/22	103,760	312,650	258,630	590,770	2,300	1,268,110
Q2 2021/22	1,348,181	Q2 2021/22	105,870	271,200	219,050	513,370	2,330	1,111,820
Q3 2021/22	1,423,744	Q3 2021/22	125,620	272,950	239,640	528,810	2,200	1,169,220
Q4 2021/22	1,433,331	Q4 2021/22	151,730	309,530	274,090	589,790	3,030	1,328,170
BY 2021/22	5,626,566	BY 2021/22	486,980	1,166,330	991,410	2,222,740	9,860	4,877,320
Q1 2022/23	1,375,783	Q1 2022/23	160,755	295,372	230,167	556,637	2,876	1,245,808
Q2 2022/23	1,392,017	Q2 2022/23	148,943	221,591	195,166	528,416	2,205	1,096,321
Q3 2022/23	1,188,173	Q3 2022/23	141,137	228,697	179,506	501,474	2,517	1,053,332
Q4 2022/23	1,315,135	Q4 2022/23	142,051	310,100	232,649	652,429	2,419	1,339,649
BY 2022/23	5,271,108	BY 2022/23	592,886	1,055,761	837,489	2,238,957	10,017	4,735,110

STEEL DIVISION OVERVIEW

- » The Steel Division has been setting environmental benchmarks in steel production for years. At the same time, it is working to develop cutting-edge, hydrogen-based options that aim to make CO₂-neutral production of steel a reality.
- » Thanks to its high-quality strip steel, the Steel Division is the first point of contact for major automotive manufacturers and suppliers worldwide.
- » It is also a key partner of the European white goods and mechanical engineering industries and produces heavy plate for energy applications used under the most difficult conditions.
- » Besides serving the oil & natural gas industry, the Steel Division also provides customized solutions for renewable energy operations.



High quality steel sheet



Heavy plate for oil & gas industry

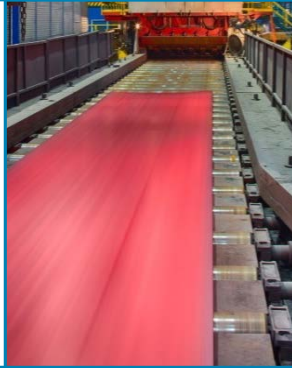
STEEL DIVISION PRODUCTION SITES

Flat steel production,
Linz (Austria)



- » Competence center for flat carbon steel in the voestalpine Group
- » Fully integrated plant with coking plant, blast furnaces, steel shop, and rolling mills at a single location

Heavy plate mill, Linz
(Austria)



- » Manufacture of high-quality heavy plate for applications in demanding market niches
- » Focus on the global energy sector
- » Investments in state-of-the-art production plants

Steel service centers in
Austria, Poland, Romania



- » Top three position in Europe
- » International footprint to realize the local supply and follow-the-customer strategy

Foundry, Linz
(Austria)



- » Steel casting for the energy (e.g. turbine housings) and mechanical engineering industries
- » Non-ferrous casting for the automotive industry (sliding elements and cam units for stamping facilities)

STEEL DIVISION POSITION & STRATEGIC APPROACH

Market position

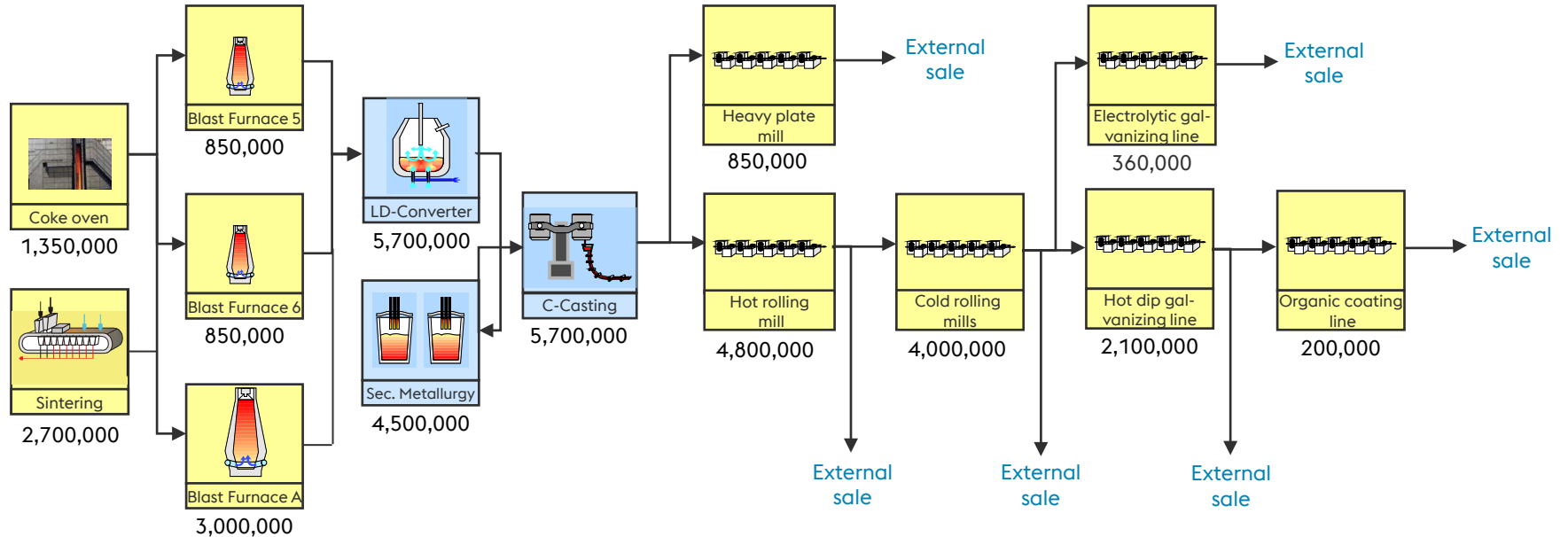
- » Global quality leadership in flat steel
 - » Automotive industry's leading supplier and first-choice partner for future developments
 - » High strength and advanced high strength steel grades
 - » Press hardening steel with cathodic corrosion protection
 - » Superior position for non-grain oriented electrical steel in Europe
 - » Leading worldwide supplier of heavy plate for most demanding applications in energy industry
 - » One of the largest suppliers to the European household appliance industry

Strategic approach

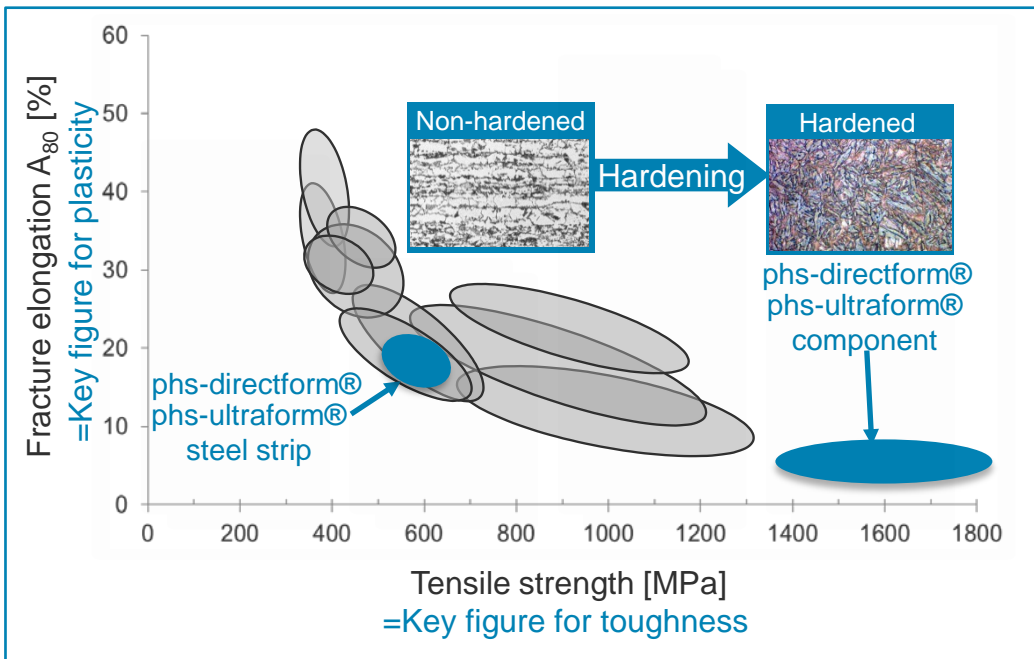
- » Continuous increase in share of high quality products based on comprehensive R&D and technology upgrades
 - » Press hardening steel for considerably lower weight in automobiles
 - » Vacuum-treated steel for ultra-low carbon contents and very pure steel grades
 - » Electrical steel sheet with highest electro-magnetic properties
 - » Special steels to withstand high pressure for the deepest pipelines and for use in arctic regions
 - » Materials to increase efficiency in the energy sector
 - » Well aligned & utilized facilities & long-term partnerships with customers

STEEL DIVISION MATERIAL FLOW

Capacities in mtons



STEEL DIVISION INNOVATIONS



phs-directform®, phs-ultraform®

- » phs-ultraform® combines the benefits of press-hardened components with the high-quality corrosion resistance of galvanized steel strip
- » phs-directform®, the global innovation developed by voestalpine, is a directly hotformed, hot-dip galvanized steel strip to be used in corrosion-resistant light-weight components for the automotive industry

STEEL DIVISION

PRODUCT PORTFOLIO 2022/23

Heavy plate

- » Heavy plate for use under extreme conditions; focus on the energy sector
- » Applications: sour-gas resistant plates for line pipe, corrosion-resistant steels for refineries, high strength plates for offshore-platforms and cranes, structural steels in steel construction and bridge building
- » Shipments: c. 600k tons in 2022/23
- » Market volume in European Union c. 10m tons a year

Hot-rolled steel strip

- » Product portfolio ranges from mild steel to ultra-high strength steel grades for most demanding applications
- » Applications: for the building sector (roof, cladding), tube industry, plant, and warehouse construction
- » Shipments: c. 1,050k tons in 2022/23
- » Market volume in European Union c. 30m tons a year

Cold-rolled steel strip

- » Very thin steel strip with best surface appearance
- » Applications: for electrical & electronic devices such as refrigerators, ovens, washing machines or televisions; for the radiator as well as automotive industry
- » Shipments: c. 500k tons in 2022/23
- » Market volume in European Union c. 10m tons a year

Electrical steel

- » Non-grain oriented electrical steel with the best electro-magnetic properties
- » Applications: for electric motors, generators, and transformers in electrical appliances and machinery; special focus on electro-mobility
- » Shipments: c. 350k tons in 2022/23

STEEL DIVISION

PRODUCT PORTFOLIO 2022/23

Electrolytic-galvanized steel strip

- » For highest corrosion protection and best surface quality
- » Applications: for exterior parts in automotive, mechanical engineering, household appliance, and electrical industries
- » Shipments: c. 150k tons in 2022/23
- » Market volume in European Union c. 2.5m tons a year

Hot-dip galvanized steel strip

- » High degree of corrosion resistance; from extremely mild to advanced high strength steel (AHSS)
- » Applications: in the tubes & sections, warehouse, household appliance, consumer electronics, and automotive industries
- » Shipments: c. 1,900k tons in 2022/23
- » Market volume in European Union c. 25m tons a year

Organically coated steel strip

- » Coated steel with optimum surface & processing properties
- » Applications: in building & construction (roof-, wall- and sandwich panels) and in house-hold appliance industry
- » Shipments: c. 150k tons in 2022/23
- » Market volume in European Union c. 5m tons a year

HIGH PERFORMANCE METALS DIVISIONS

HIGH PERFORMANCE METALS DIVISION PRODUCTION & SALES SITES



HIGH PERFORMANCE METALS DIVISION GROUP STRUCTURE

Most significant group subsidiaries

- voestalpine High Performance Metals GmbH
- voestalpine BÖHLER Edelstahl
- Buderus Edelstahl
- Uddeholms
- Villares Metals
- voestalpine BÖHLER Aerospace
- voestalpine BÖHLER Bleche
- Eschmann Stahl
- Eschmann Textures International
- voestalpine High Performance Metals Deutschland
- voestalpine High Performance Metals Pacific
- voestalpine High Performance Metals Corporation
- voestalpine eifeler Unternehmensgruppe
- voestalpine BÖHLER Profil

High Performance
Metals Division

High Performance
Metals BU
(Production)

Value-Added
Services BU
(Distribution)

Products & services

Tool steel (plastic mould, cold work tool steel, hot work tool steel, high speed steel)

Special materials (for oil & natural gas, energy, machine building, aerospace & automotive industries)

Closed-die forged products (for aerospace, energy, machine building & automotive industries)

Premium service provider for tool steel & special materials (heat treatment, sawing, milling, grinding, drilling, coating,...)

HIGH PERFORMANCE METALS DIVISION

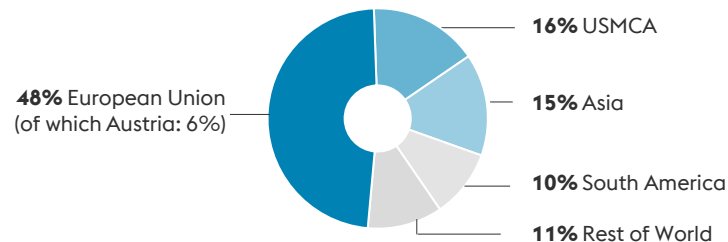
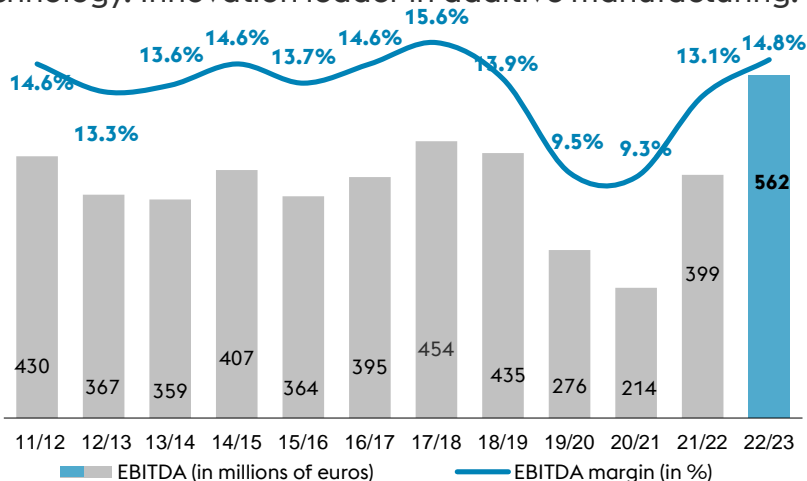
KEY DATA

High Performance Metals Division (revenue breakdown 2022/23 (EUR 3.8 billion))

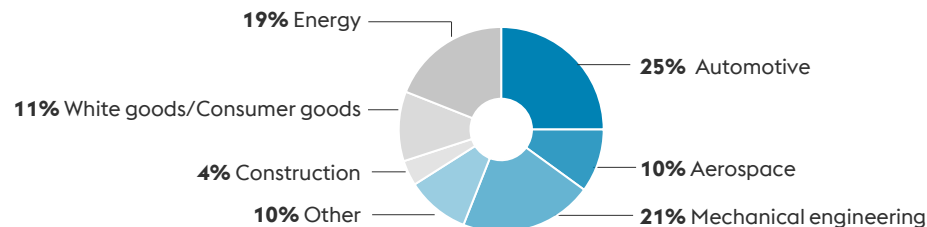
By regions (as percentage of divisional revenue)

Global leadership

Global leadership in tool steel as well as leading position in high-speed steel, aerospace materials, special steel parts, and powder technology. Innovation leader in additive manufacturing.



By industry sector (as percentage of divisional revenue)



HIGH PERFORMANCE METALS DIVISION PRODUCTION & SHIPMENT FIGURES (IN TONS)

Production	Crude steel	Shipments	Tool steel	Other HPM*	Forging	Other	Total
Q1 2019/20	174,519	Q1 2019/20	47,784	78,929	13,513	17,277	157,504
Q2 2019/20	155,063	Q2 2019/20	45,926	73,620	10,976	16,541	147,062
Q3 2019/20	130,442	Q3 2019/20	42,331	71,659	7,517	16,089	137,596
Q4 2019/20	154,315	Q4 2019/20	46,569	78,245	9,759	16,983	151,557
BY 2019/20	614,339	BY 2019/20	182,610	302,453	41,765	66,891	593,719
Q1 2020/21	151,714	Q1 2020/21	39,094	60,790	5,492	11,251	116,627
Q2 2020/21	113,208	Q2 2020/21	40,637	59,418	8,068	12,974	121,097
Q3 2020/21	139,173	Q3 2020/21	44,526	62,800	8,678	13,934	129,938
Q4 2020/21	171,888	Q4 2020/21	48,884	74,104	11,523	14,252	148,763
BY 2020/21	575,983	BY 2020/21	173,141	257,112	33,761	52,411	516,425
Q1 2021/21	182,266	Q1 2021/22	50,651	77,565	11,385	13,976	153,578
Q2 2021/22	168,274	Q2 2021/22	49,988	73,853	9,484	12,263	145,589
Q3 2021/22	158,821	Q3 2021/22	46,509	71,945	8,707	12,630	139,792
Q4 2021/22	146,735	Q4 2021/22	51,813	74,333	11,048	15,135	152,329
BY 2021/22	656,096	BY 2021/22	198,962	297,697	40,624	54,004	591,287
Q1 2022/23	173,921	Q1 2022/23	47,548	69,905	10,718	13,214	141,386
Q2 2022/23	143,621	Q2 2022/23	41,947	65,938	9,492	12,314	129,691
Q3 2022/23	127,713	Q3 2022/23	39,707	65,355	10,081	11,231	126,374
Q4 2022/23	130,426	Q4 2022/23	47,803	77,776	12,247	12,041	149,866
BY 2022/23	575,681	BY 2022/23	177,005	278,974	42,538	48,800	547,317

* HPM = High Performance Metals

voestalpine

ONE STEP AHEAD.

HIGH PERFORMANCE METALS DIVISION

OVERVIEW

- » The High Performance Metals Division is a global leader in the manufacture and downstream processing of high performance metals—particularly tool steel, high-speed steel, and other special steel as well as titanium and nickel-based alloys.
- » Its unique product portfolio is powerfully enhanced by component production, heat treatment, coating, and additive manufacturing – all of which is embedded in a global service network.
- » The customers of these products include the automotive and consumer goods supplier industries, special purpose engineering companies, the oil and natural gas industry as well as the aerospace industry.



Aircraft components

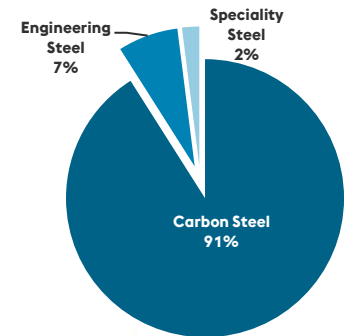
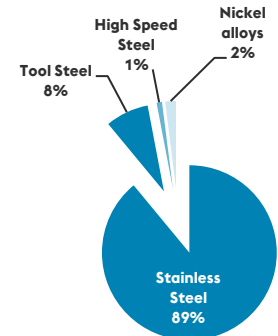


Additive manufacturing

HIGH PERFORMANCE METALS DIVISION

CHARACTERISTICS OF SPECIAL STEEL

- » Production of special steel as a niche business within the steel universe
- » Main characteristics of special steel include high alloy content, high level of purity (low sulphur and phosphorus content), and a huge variety of different steel grades
- » Special steel is produced in comparatively small batches relative to carbon steel
- » Special steel products are typically manufactured in electric arc furnaces using scrap as input material
- » Carbon content of tool steel is higher in comparison to stainless steel
- » Each tool steel grade focuses on specific forming processes, like plastic moulding or high pressure die-casting, and offers a distinctive combination of properties
 - » Such as high surface hardness, high wear resistance, heat resistance, and corrosion resistance)
- » Tool steel requires 24-hour delivery service and customized on-site service
 - » This is why the High Performance Metals Division maintains the largest global service center network



HIGH PERFORMANCE METALS DIVISION

MAIN PRODUCTION SITES

Böhler, Kapfenberg (Austria)

- » Brand name: Böhler
- » Capacity: ~205,000 tons

Products

- » Hot work tool steel
- » Cold work tool steel
- » Plastic mould steel
- » High speed steel
- » Special stainless steels & nickel based alloys for oil & gas, thermal power generation, and aerospace industries
- » Open-die forging products for thermal power generation and oil & gas sector
- » Closed-die forgings, mainly for aerospace industry

Buderus, Wetzlar (Germany)

- » Brand name: Buderus
- » Capacity: ~280,000 tons

Products

- » Specialist in plastic mould steel
- » Engineering steel for wind energy
- » Open-die forging products
- » Closed-die forging products for commercial vehicle, mechanical engineering, surgical instruments & cutlery industries

Uddeholm, Hagfors (Sweden)

- » Brand name: Uddeholm
- » Capacity: ~100,000 tons

Products

- » The only global tool steel specialist
- » Hot work tool steel
- » Cold work tool steel
- » Plastic mould steel

Villares, Sumaré (Brazil)

- » Brand name: Villares Metals
- » Capacity: ~130,000 tons

Products

- » Hot work tool steel
- » Cold work tool steel
- » Plastic mould steel
- » High-speed steel
- » Special stainless steels & nickel based alloys for surgical implants, welding electrodes, chemical, aerospace, and oil & natural gas industries
- » Open-die forged parts for wind & thermal power generation, oil & gas sector, sugar & alcohol industry, and railway industry

HIGH PERFORMANCE METALS DIVISION

MARKET POSITION & STRATEGIC APPROACH

Market position

- » Worldwide leader in tooling industry in terms of global presence, quality and profitability
 - » No. 1 in tool steel, No. 2 in high speed steel
 - » No. 1 in powder-metallurgical tool steel & high speed steel
- » Most comprehensive service network for tooling industry
- » High performance metals for extremely demanding applications: industry leader in many markets & products
 - » No. 1 in antimagnetic drill collars for oil and gas production
 - » High growth supplier of nickel-based alloys
- » Aircraft forgings
 - » Worldwide market leader in structural parts for the aerospace industry (medium size)

Strategic approach

- » Strengthening its leading market positions through organic growth and acquisitions in defined industries
- » Fostering its position as leading service provider for the tooling industry
 - » Continuous expansion of global service offerings, such as processing, heat treatment, and coating
- » Developing new products based on core competencies and the existing metallurgical foundation
 - » Powder metallurgical steel for additive manufacturing
- » Cross-company utilization of competencies & capacities

HIGH PERFORMANCE METALS DIVISION

MARKET SITUATION

- » Automotive and consumer goods industries are typical back-markets for tool steel: manufacturing all mass-products in these segments with forming and cutting tools
- » Main business drivers for tool steel
 - » Change of the design rather than the number of products produced with the tool
- » Oil, gas, and petrochemical industries, power generation, and aircraft industries as back-markets for special materials
- » Main business drivers for special steels & nickel based alloys
 - » Exploration of new oil/gas resources
 - » Replacement and construction of new power plants
 - » Development of passenger miles and cargo in the aircraft industry



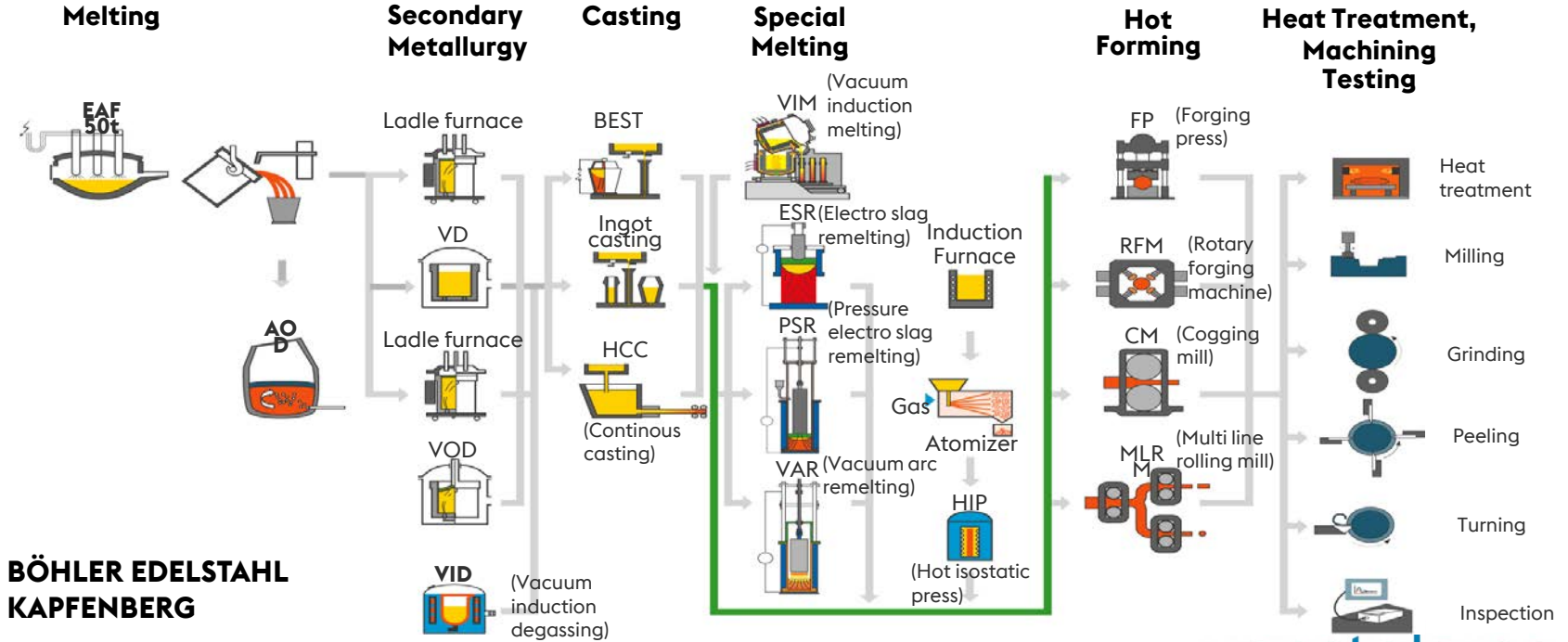
Sun glasses made with plastic mould steel

voestalpine

ONE STEP AHEAD.

HIGH PERFORMANCE METALS DIVISION

FLOW OF MATERIALS (EXAMPLE)



**BÖHLER EDELSTAHL
KAPFENBERG**

voestalpine

HIGH PERFORMANCE METALS DIVISION







ADDITIVE MANUFACTURING

- » Additive manufacturing – the next industrial revolution in the manufacturing of low volume serial parts
- » Additive manufacturing has characteristics that are superior to traditional manufacturing methods:

Design – complexity for free	Economic – cost advantages	Speed – time to market	Greater efficiency
<ul style="list-style-type: none"> » Increased geometric freedom » Designing “mechanical properties” » New geometric combinations possible, such as variable wall thickness, non-linear holes 	<ul style="list-style-type: none"> » Increased functionality of parts » Economical low volume production » No tooling costs » Low storage costs 	<ul style="list-style-type: none"> » Simplified supply chain » Production on demand » Reduced set-up times » Reduced lead-times 	<ul style="list-style-type: none"> » Reduced raw material consumption » Weight reduction (aerospace, automotive)

- » voestalpine as a solution provider (one-stop shop) within additive manufacturing for powder & parts
 - » Powder development & production in Sweden & Austria
 - » Design & production of additive manufacturing components
 - » Heat treatment & post-processing

HIGH PERFORMANCE METALS DIVISION PRODUCT PORTFOLIO

	Tool steel				Special materials	
	Plastic mould steel	Cold work tool steel	Hot work tool steel	High speed steel	Special materials for aviation	Special materials for oil & gas
						
Material strengths	<ul style="list-style-type: none"> » High wear resistance » Adequate corrosion resistance » Good machinability & polishability 	<ul style="list-style-type: none"> » High wear resistance » Excellent hardness & toughness 	<ul style="list-style-type: none"> » Thermal shock resistance & high toughness 	<ul style="list-style-type: none"> » High performance (powder metallurgical) steel for excellent toughness and cutting properties 	<ul style="list-style-type: none"> » Highest metallurgical purity for superior specific strength & fracture toughness 	<ul style="list-style-type: none"> » Expanded corrosion resistance & high strength
Applications	<ul style="list-style-type: none"> » For production of large numbers of identical parts for use in every day life » Especially for consumer goods 	<ul style="list-style-type: none"> » For cold forming tools, such as cutting & pressing tools, dies, knives, stamping and drawing tools 	<ul style="list-style-type: none"> » Pressure die-casting » Hot extrusion » Open die-forging » Plastic processing 	<ul style="list-style-type: none"> » Cutters » Drillers » Cold work tools » Metal saws 	<ul style="list-style-type: none"> » Highly stressed & damage intolerant safety parts » Such as for engine components, landing gear, wing parts 	<ul style="list-style-type: none"> » Components in oil & gas drilling and production » For anti-magnetic drill collars, valves, pumps, flowlines, connectors, fasteners, bolts

HIGH PERFORMANCE METALS DIVISION

SPECIAL FOCUS ON AEROSPACE

- » Aerospace industry expertise
 - » Special materials for the aerospace industry, providing maximum strength and high corrosion resistance with the lowest possible weight
 - » Near net shape forging solutions - expertise in materials combined with complex geometries
 - » Forging titanium alloys, high alloy steels, and nickel-based alloys
 - » Forging jet engine disks and structural parts for aircraft (engine mounts, landing gear components, pylon parts, structural parts for fuselages, etc.)
- » Strategic approach in the aerospace industry
 - » Expanding the value chain (final machining)
 - » Investing in high-tech forging lines to meet growing market demand (one open-die forging line for long products, one forging line for closed-die forgings)



Aircraft engine

HIGH PERFORMANCE METALS DIVISION AEROSPACE EXPERTISE

Requirements:

High-spec parts for the aviation industry made of steel, nickel-based alloys, and titanium alloys

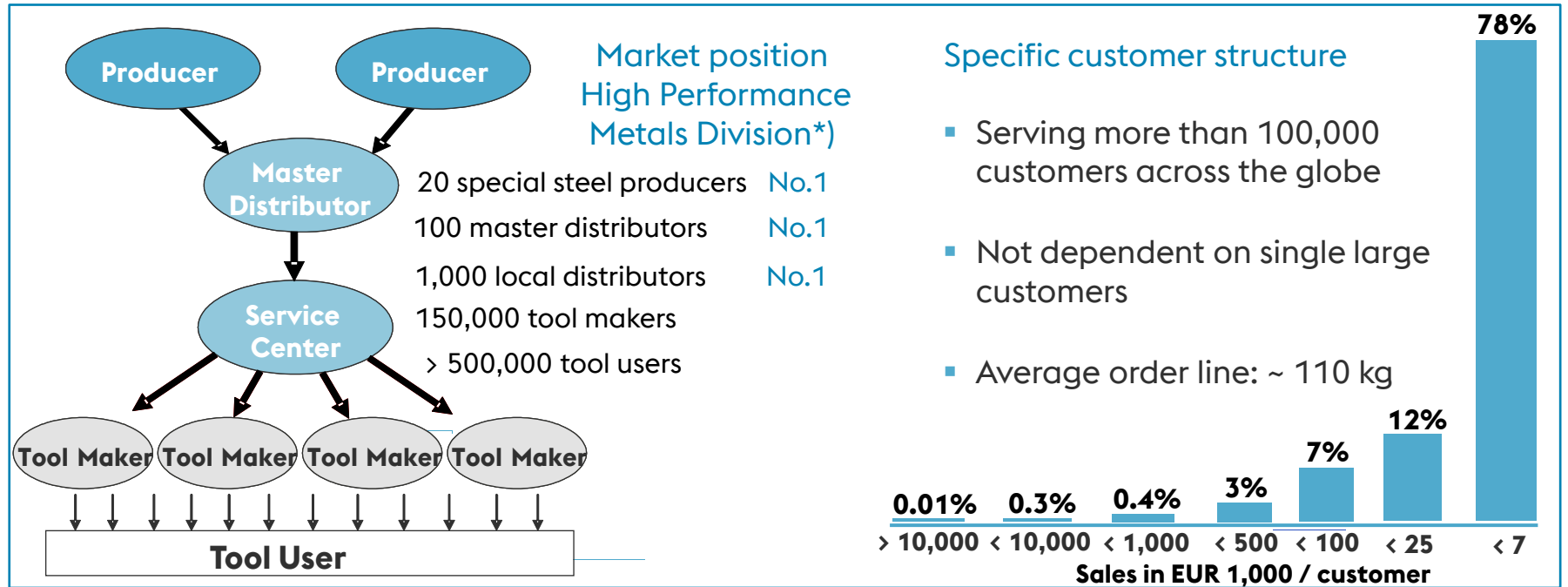
Applications:

From fasteners to structural parts for wings, landing gear & discs for aero-engines



VALUE-ADDED SERVICE BU

VALUE CHAIN & CUSTOMER STRUCTURE



METAL ENGINEERING DIVISION

METAL ENGINEERING DIVISION PRODUCTION & SALES SITES



METAL ENGINEERING DIVISION

GROUP STRUCTURE

Most significant group subsidiaries

- voestalpine Metal Engineering GmbH Co KG
- voestalpine Stahl Donawitz
- voestalpine Railway Systems
- voestalpine Wire Technology
- voestalpine Tubulars
- voestalpine Böhler Welding

Metal Engineering Division

BU Steel

BU Railway Systems

BU Industrial Systems

Products

Premium quality steel for rails, tubes and wire rod

Premium rails (head-hardened rails with lengths of up to 120 meters)
Turnout systems (turnouts, setting & locking systems, fixed infrastructure asset monitoring, hazard alert systems)

Drawn wire
Wire rod
Special wire

Seamless tubes (tubes for the oil & gas sector, automotive and mechanical tubes)

Medium- and high-grade alloy welding filler materials

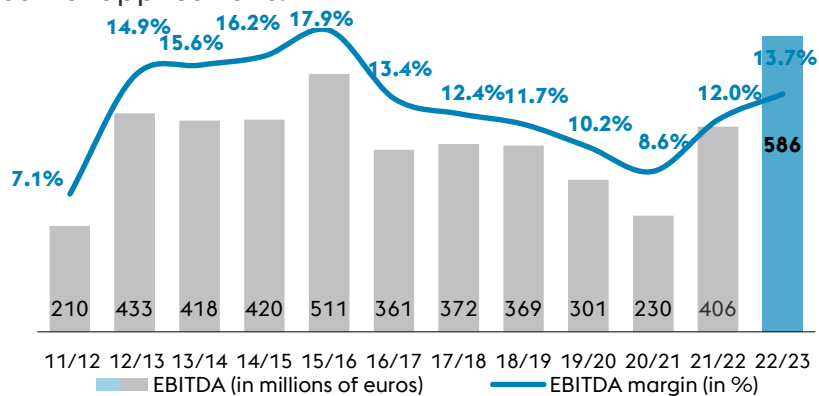
METAL ENGINEERING DIVISION

KEY DATA

Metal Engineering Division (revenue breakdown 2022/23 (EUR 4.3 billion))

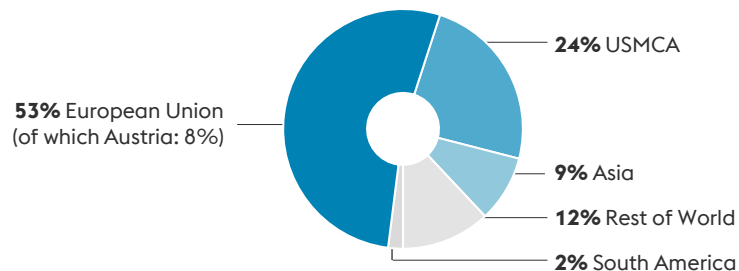
Global leadership

Global leadership in railway systems; global provider of complete welding solutions; European technology leader in premium wire products; and preferred provider of high-tech seamless tubes for the oil & natural gas industry as well as for industrial applications.

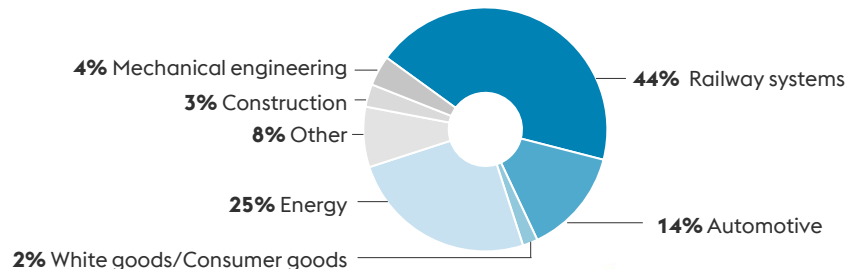


voestalpine AG

By regions (as percentage of divisional revenue)



By industry sector (as percentage of divisional revenue)



voestalpine

ONE STEP AHEAD.

METAL ENGINEERING DIVISION

PRODUCTION & SHIPMENT FIGURES (IN TONS)

Production	Crude steel	Shipments	Rails	Wire Rod	Seamless tubes	Billets & Blooms	Total
Q1 2019/20	394,333	Q1 2019/20	136,139	131,693	90,055	27,019	384,906
Q2 2019/20	352,456	Q2 2019/20	141,735	122,239	68,376	20,254	352,604
Q3 2019/20	316,433	Q3 2019/20	118,429	113,571	70,357	23,276	325,633
Q4 2019/20	322,268	Q4 2019/20	131,825	131,959	58,243	31,342	353,369
BY 2019/20	1,385,491	BY 2019/20	528,128	499,462	287,031	101,891	1,416,512
Q1 2020/21	305,463	Q1 2020/21	148,713	*76,139	54,164	14,930	293,946
Q2 2020/21	219,515	Q2 2020/21	132,687	92,718	30,096	15,061	270,562
Q3 2020/21	286,791	Q3 2020/21	118,600	127,272	33,283	31,981	311,136
Q4 2020/21	358,195	Q4 2020/21	125,100	138,746	61,864	37,382	363,092
BY 2020/21	1,169,964	BY 2020/21	525,100	434,875	179,407	99,354	1,238,736
Q1 2021/22	398,535	Q1 2021/22	151,559	146,195	76,780	25,232	399,766
Q2 2021/22	387,071	Q2 2021/22	145,641	116,664	68,163	26,434	356,902
Q3 2021/22	389,983	Q3 2021/22	129,900	112,487	89,432	27,109	358,928
Q4 2021/22	379,546	Q4 2021/22	118,300	138,977	73,880	42,075	373,232
BY 2021/22	1,555,136	BY 2021/22	545,400	514,323	308,255	120,850	1,488,828
Q1 2022/23	393,652	Q1 2022/23	153,100	134,561	86,137	29,864	403,662
Q2 2022/23	251,118	Q2 2022/23	143,400	122,183	84,609	27,937	378,129
Q3 2022/23	372,338	Q3 2022/23	144,200	109,184	78,776	22,025	354,185
Q4 2022/23	345,043	Q4 2022/23	116,100	131,680	79,589	32,511	359,880
BY 2022/23	1,362,152	BY 2022/23	556,800	497,608	329,111	112,337	1,495,856

* Number adjusted retrospectively

METAL ENGINEERING DIVISION

OVERVIEW

- » As the leading provider worldwide of integrated track systems, the Metal Engineering Division's Railway Systems business unit offers customized, comprehensive solutions for all rail technology segments—from mass transit, to mixed traffic, all the way to heavy haul and high speed networks.
- » The division's Industrial Systems business unit has established itself as a global, integrated provider of complete welding solutions. It also plays a leading role as a development partner and manufacturer of premium wire products and high-tech seamless tubes.



Turnout systems




Rails

voestalpine

ONE STEP AHEAD.

METAL ENGINEERING DIVISION

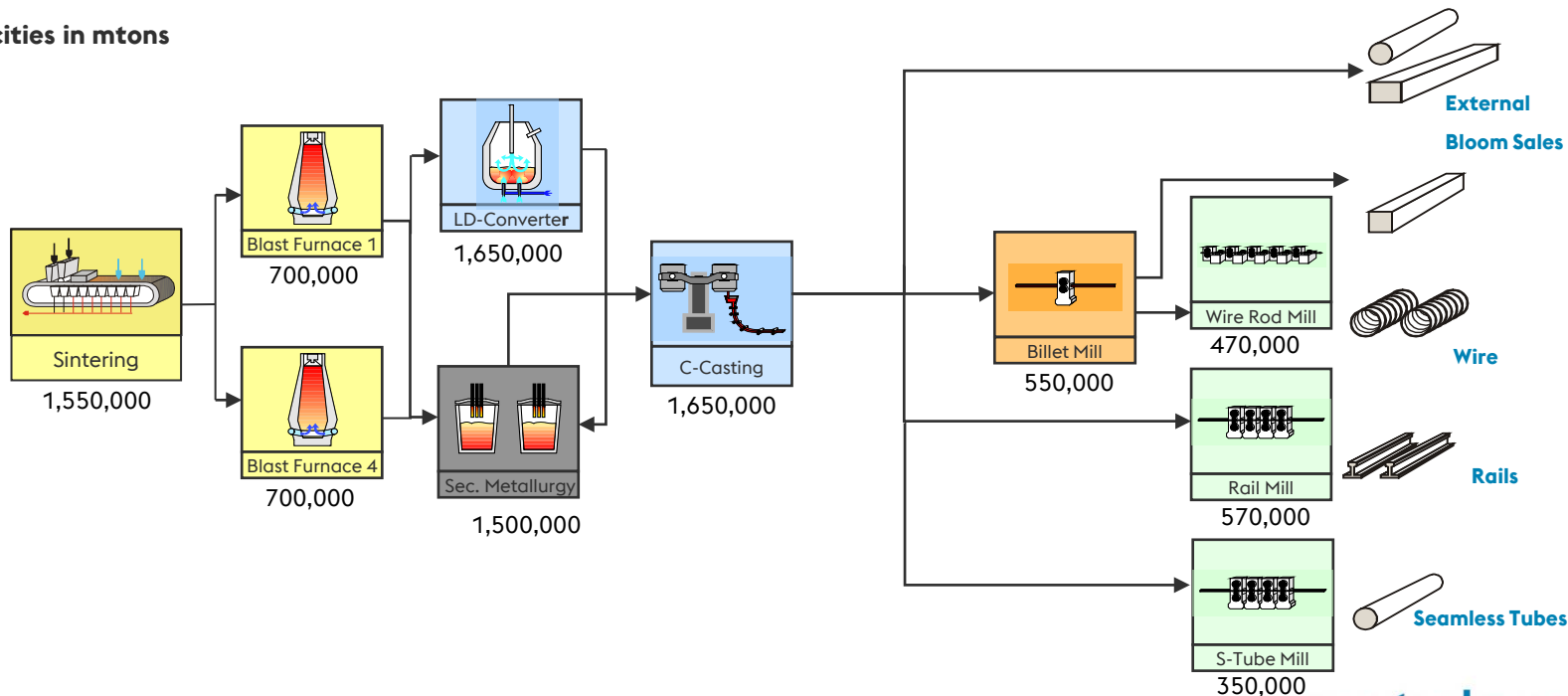
MAIN PRODUCTION SITES

 <p>Steel</p>	 <p>Rail Technology</p>	 <p>Turnout Systems</p>	 <p>Tubulars</p>	 <p>Wire Technology</p>	 <p>Welding</p>
<ul style="list-style-type: none"> » 2 blast furnaces and 1 BOF-steel shop located in Donawitz » Annual capacity of c. 1,650m tons of crude steel » Over 500 different steel grades 	<ul style="list-style-type: none"> » 1 rail production site located in Donawitz (Austria) with a capacity of c. 570,000 tons » Modern rail rolling mill » In-line heat treatment technology patented worldwide 	<ul style="list-style-type: none"> » 44 international sales and production sites worldwide » Manufacturing of turnouts for any kind of traffic (mix traffic, high speed, heavy haul, light rail) 	<ul style="list-style-type: none"> » 1 production site in Kindberg (Austria) with a capacity of c. 350,000 tons a year » JV with NOV Grant Prideco (USA) » Focus on OCTG products 	<ul style="list-style-type: none"> » Wire rod production in Donawitz (Austria) with a capacity of c. 550,000 tons » 4 wire processing (drawn wire) locations in Austria, Germany, Italy and China » Special wire manufacturing in Fürstenfeld (Austria) 	<ul style="list-style-type: none"> » 12 global production sites (Austria, Germany, Italy, Sweden, Belgium, Mexico, Indonesia, India, Brazil)

METAL ENGINEERING DIVISION

MATERIAL FLOW

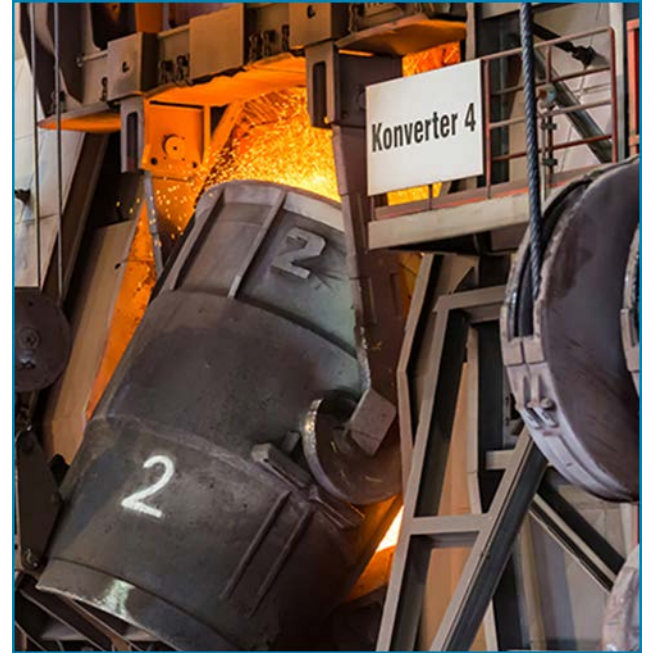
Capacities in mtons



METAL ENGINEERING DIVISION

STEELBASE IN DONAWITZ, AUSTRIA

- » Compact LD steel plant, one of the most modern in the world
- » Highest material requirements, specially defined by modern technologies
- » Focus on production of ultra-clean special steels for application in the railway, automotive, and oil industries
- » Intensive co-operation between steel plant and downstream units leading to innovative product solutions



RAIL TECHNOLOGY CHARACTERISTICS

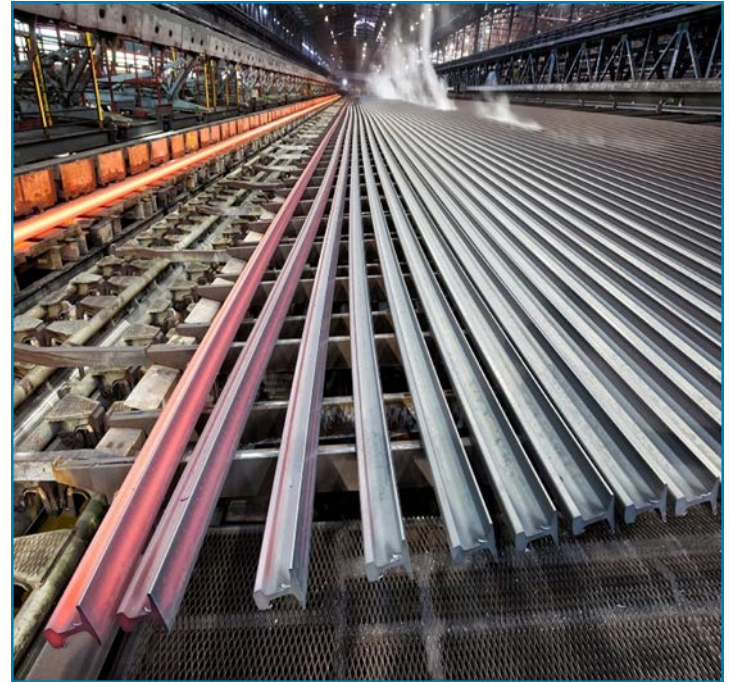
- » Steel plant in Donawitz optimized for rail manufacture
- » Wide range of premium rails and rail sections
- » Unique feature: heat treatment in sync with rolling cycle
- » Two fully computerized rail stock-yards to ensure just-in-time rail supply
- » One-stop-shop to supply rail infrastructure companies



RAIL TECHNOLOGY

DEMANDS ON MODERNS RAILS

- » Rails have to be extremely flat, very hard & wear resistant on the head while simultaneously providing distinctive elasticity
- » Consistent advancement of rail grades due to higher speeds, more powerful locomotives, and increasing force on rail tracks
- » Different requirements for rails depending on type of traffic
 - » Heavy haul: extreme load on a small surface
 - » High speed: enormous stress at accelerating and breaking zones
 - » Light rail: highly stressed on tight curves



RAIL TECHNOLOGY POSITION & STRATEGIC APPROACH

Market position

- » Top (market and/or technological) positions in all market segments (heavy haul, mixed traffic, light rail)
- » Most cost-efficient, patented heat treatment process
- » Most modern integrated logistic services
- » New rail grades to improve head check damage resistance
- » Capacity of c. 570,000 tons in Donawitz (Austria)
- » c. 70% share of heat-treated premium rails
- » Market share in Europe c. 25%
- » Approx. 350 customers in more than 60 countries

Strategic approach

- » Strengthen global position as premium supplier of rails in all product & market segments
- » Focus on R&D to improve premium rails (mixed traffic, heavy haul, transit)
- » Differentiate products with a focus on sustainable customer benefit
 - » Maximize operational rail service life-time
 - » Minimize maintenance-related interventions
 - » Substantially decrease life-cycle cost
 - » Significantly increase track availability

RAIL TECHNOLOGY

PRODUCT SOLUTIONS AGAINST RAIL DAMAGE

voestalpine rail grades for all kinds of traffic

Pearlitic heat-treated rails for all mixed traffic and high-speed traffic areas



High resistance to rolling contact fatigue due to delayed crack initiation and slower crack propagation

Ultra-high carbon heat-treated rails for tracks with extreme loads (heavy haul)



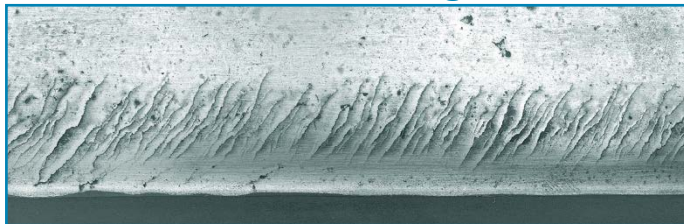
For curves and straight tracks. Maximum resistance to rail corrugation

High-strength grooved rails for tramway track curves (local traffic)



Lessens abrasive wear, which is the dominant damage pattern on tight curves

Roll contact fatigue



Head checks: small cracks at the edges due to continuous high dynamic forces



Squats: V-shaped or half-moon-shaped hollows, especially from heavy haul traffic. Tears are growing beneath the surface

TURNOUT SYSTEMS PRODUCT PORTFOLIO

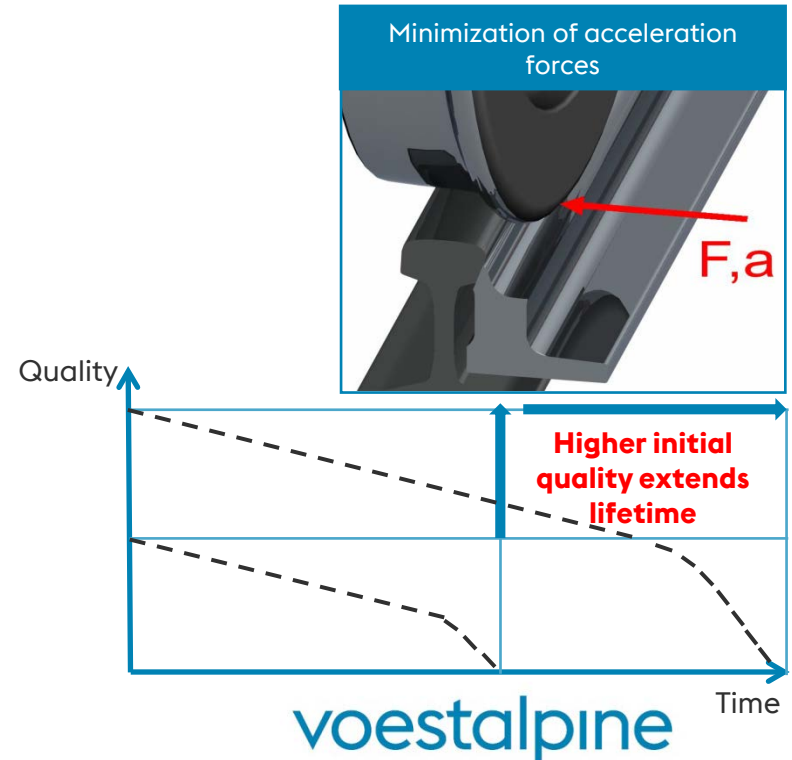
- » A turnout consists of a switch and a crossover and includes setting, locking, detecting, and monitoring devices
- » voestalpine Turnout Systems offers a tried and proven product portfolio for any kind of traffic (high speed, heavy haul, urban transport)
- » Maintenance-free setting systems located inside the turnouts
- » Diagnostic systems for fixed infrastructure assets and rolling stock
- » “Plug and Play” turnouts: pre-assembled in workshop to enable quick installation and minimize downtime
- » Local manufacturing sites in most important rail infrastructure markets (balancing any local market weakness, ensuring good customer relations and joint development, and enabling know-how sharing within the group)



TURNOUT SYSTEMS

PRODUCT REQUIREMENTS & LIFE-CYCLE COSTS

- » Turnouts must be reliable in the icy temperatures of the Rockies and the humid heat of the Everglades
- » Special corrosion protection for areas of high humidity
- » Higher initial quality significantly extends the life-time of the turnout
- » Parameters influencing life-cycle costs
 - » Geometric optimization of curve radius
 - » Material requirements (use of manganese steel for special parts)
 - » Low-maintenance components



TURNOUT SYSTEMS POSITION & STRATEGIC APPROACH

Market position

- » World market and technology leader in turnout systems
- » Global market share roughly 35%
- » Sole provider of integrated turnouts (setting, locking, and monitoring systems)
- » Maintenance-free diagnostics of rolling stock (hazard alert systems) & fixed installations
- » Pre-installation at turnout-plant (“plug & play”)
- » Close-to-market production and distribution centers in all important railway markets worldwide

Strategic approach

- » Further global expansion in turnout, signaling, and logistics
- » Strengthening of customer-specific R&D-activities
- » Intensified co-operation and leverage of synergies between Rail Technology & Turnout Systems



WIRE TECHNOLOGY PRODUCT PORTFOLIO

- » Wire rod, drawn wire, and special wire with a focus on the high quality segment
- » Cold heading steel, cold extrusion steel, ball bearing steel, and spring steel for the automotive industry (most important customer segment with c. 60% share)
- » Shaped wire for flexible pipes in the oil & gas industry
- » Pre-stressed wire used in the building & construction industry (bridge construction)
- » Wire for the production of welding fillers
- » High-strength extra-fine saw wire used in the solar & photovoltaic industries



Quality leadership in wire rod and drawn wire in Europe

WIRE TECHNOLOGY

WIRE USE IN THE AUTOMOTIVE INDUSTRY

- » Extension springs
- » Shock absorber springs
- » Windscreen wiper springs
- » Crankshaft springs
- » Valve springs
- » Steel cord for car tires
- » Cylinder head bolts
- » Wheel nuts

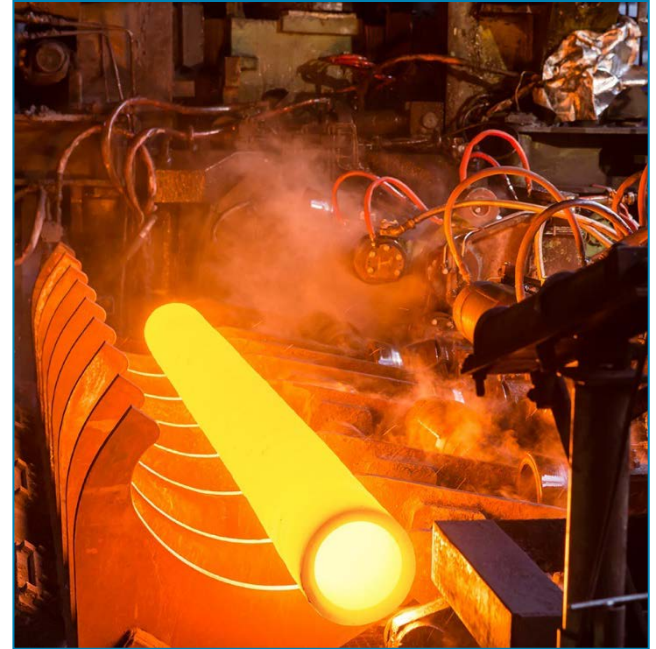


- » Spark plug housings
- » Ball roller bearings
- » Injection unit parts
- » Electric window motor spindles
- » Steering wheel rim
- » Steering rods
- » Rod bolts
- » Piston pins

TUBULARS

INDUSTRY SEGMENTS & PRODUCTS

- » Oil & gas sector (~80% share)
 - » Oil Country Tubular Goods (OCTG): seamless tubings & casings, accessories, proprietary grades, premium connections (VAsuperior®, VAGT®, VAF, VAroughneck®)
 - » Line pipe
 - » Green pipes for drill pipes
- » Automotive industry (~10% share)
 - » Automotive tubes: axles, fly wheels, vibration absorbers
- » Mechanical engineering industry (~10% share)
 - » Mechanical tubes: mining & tunnelling



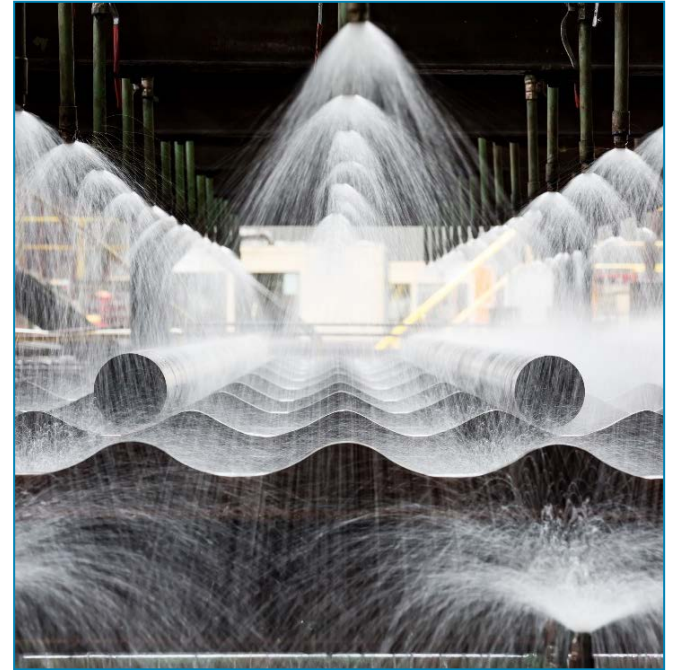
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TUBULARS

PRODUCT REQUIREMENTS & STRENGTHS

- » For critical applications involving high pressures and temperatures, reliability is vital and premium seamless tubes are the preferred option
- » A premium product differs in terms of pressure resistance, curvature characteristics, horizontal plasticity, and sour gas and carbon dioxide resistance
 - » Temperature in a borehole > 150 ° C. and up to 600 bars of pressure
 - » Highest quality requirements for premium connections in gas exploration
- » voestalpine Tubulars has long-term experience in pipe production for the oil & gas industry and industrial segments
- » Fully integrated from raw material to final product, latest technology for seamless tube production (capacity ~450,000 tons)

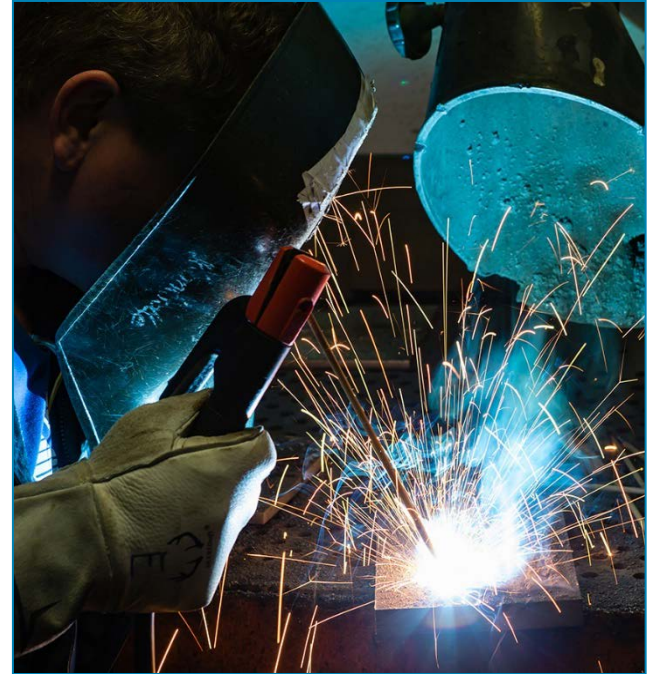


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WELDING MARKET POSITION

- » Specialist in medium and high alloyed welding consumables
- » Top European player, ranked number two in Europe with ~15% market share, number four globally
- » 12 global production sites (5 outside Europe) and 34 distribution centers in 28 countries
- » Restructuring process finalized with production concentrated on core products and fewer brands
- » Comprehensive product portfolio (electrodes, wire/rods, flux cored wire, brazing)
- » Emphasis on the energy industry with ~40-50% share (oil & gas sector, energy machines, wind energy)
- » Other core industry segments include automotive, plant engineering, yellow goods, and building & construction



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WELDING

PRODUCT QUALITY & SERVICE ORIENTATION

- » Full service provider based on combination of welding consumables and welding equipment
- » The use of welding consumables in high temperatures and highly corrosive and abrasive environments makes stringent demands on product quality
- » In addition to high-end products, service orientation is the key factor for success in welding consumables
 - » Pre-sale support: attention to research & engineering departments
 - » Assistance of industry application experts
 - » Product testing by customers in laboratories
 - » On-site support: training for customers and problem-solving directly at construction site
- » voestalpine Group combines excellent material expertise with highest quality welding materials for joining processes



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METAL FORMING DIVISION

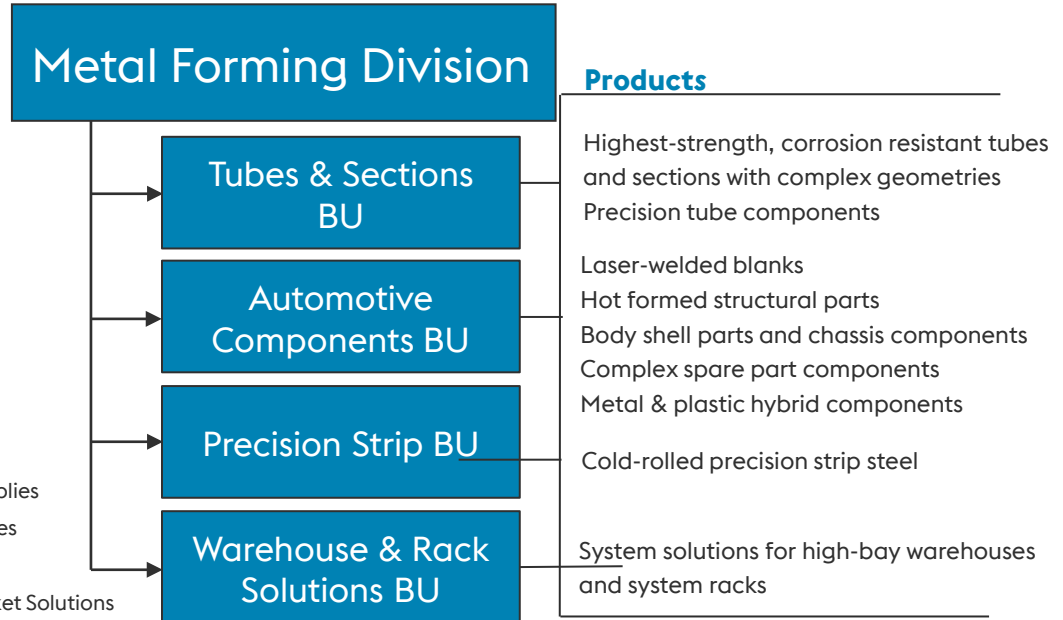
METAL FORMING DIVISION PRODUCTION & SALES SITES



METAL FORMING DIVISION GROUP STRUCTURE

Most significant group subsidiaries

- voestalpine Metal Forming GmbH
- voestalpine Krems
- voestalpine SadeF
- voestalpine Metsec
- voestalpine Meincol
- voestalpine Roll Forming Corporation
- voestalpine Rotec Group
- voestalpine Präzisionsprofil
- voestalpine Profilform (China)
- voestalpine Profilform
- voestalpine Profilafröid
- voestalpine Precision Strip
- voestalpine Automotive Components - Cold Stamping & Assemblies
- voestalpine Automotive Components - Hot Forming & Assemblies
- voestalpine Automotive Components - Tailored Blanks
- voestalpine Automotive Components - Body Panels & Aftermarket Solutions
- voestalpine Krems Finaltechnik
- Nedcon



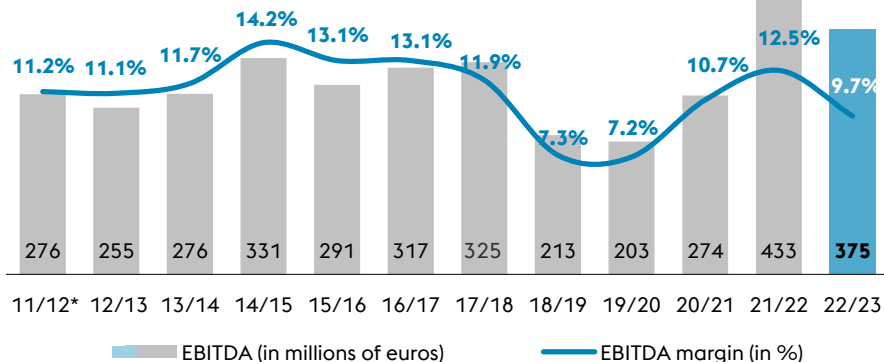
METAL FORMING DIVISION

KEY DATA

Metal Forming Division (revenue breakdown 2022/23 (EUR 3.9 billion))

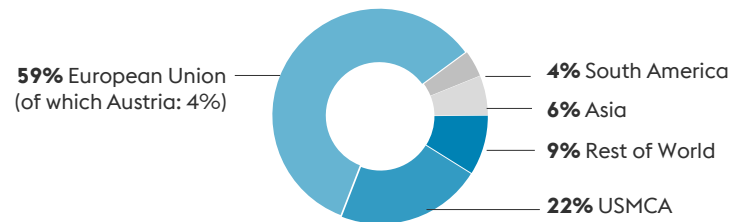
Global leadership

Global leadership in defined niches that require the highest quality and the most sophisticated technology for metal processing solutions within a global network that generates the best possible customer value.

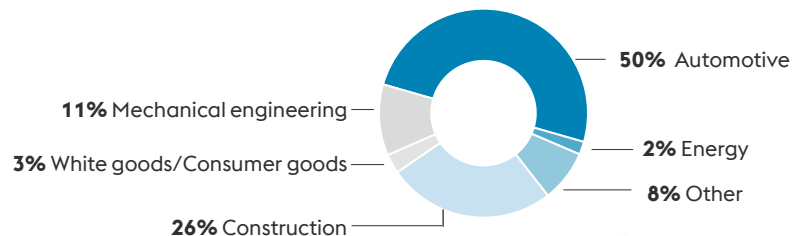


* Aggregated figures

By regions (as percentage of divisional revenue)



By industry sector (as percentage of divisional revenue)

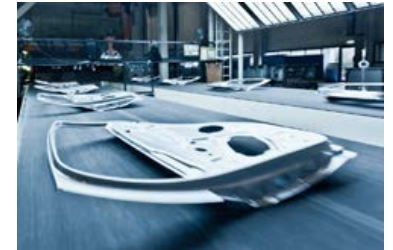


METAL FORMING DIVISION OVERVIEW

- » The Metal Forming Division is voestalpine's competence center for highly developed special sections, tube, and precision strip steel products as well as for pre-finished system components made of pressed, stamped, and roll-formed parts that are used in a wide range of industries but especially in the premium automotive segment.
- » The division combines materials and processing expertise unique in the industry with a global presence that make it the partner of choice for customers focused on innovation and quality.



High-bay warehouse



Automotive parts

METAL FORMING DIVISION PRODUCTION SITES

Tubes & Sections



- » 18 production locations worldwide in Austria, Germany, France, Belgium, Czech R., Spain, Poland, Great Britain, USA, Canada, China, Brazil, and Mexico
- » Highest-strength, corrosion resistant tubes and sections with complex geometries
- » Precision tube components

Automotive Components



- » 15 production locations worldwide in Austria, Germany, Netherlands, France, South Africa, USA, China, and Mexico
- » Innovative automotive body parts for lightweight solutions (laser-welded blanks, structural parts, body shell parts)

Precision Strip



- » 3 production locations in Austria, Sweden, and USA
- » Cold rolled precision strip steel products with exact dimensional stability, excellent surface quality, and customized edge profiles

Warehouse & Rack Solutions



- » 2 production locations in Austria and Czech Republic
- » Highly developed system solutions for high-bay warehouses and system racks

METAL FORMING DIVISION

MARKET POSITION

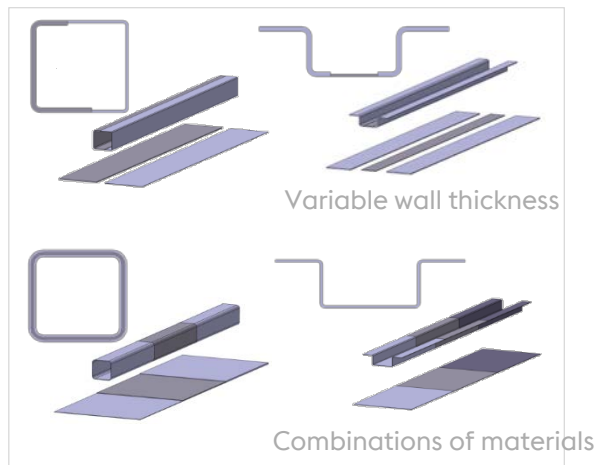
- » Competency center for highly refined sections, tubes, and precision strip steel products as well as ready-to-install system components made of pressed, stamped and roll-formed parts
- » Unique combination of know-how in steel processing and excellent skills in processing other materials, too, such as aluminum and titanium
- » Worldwide competency center for custom-designed solutions in the Tubes & Sections business
- » Leading global provider of innovative automotive parts for light-weight solutions in the Automotive Components business
- » Leading expert in the Precision Strip business for sophisticated applications (global market leader in most core segments)
- » Intelligent rack system solutions for complex logistics requirements in Warehouse & Rack Solutions business



METAL FORMING DIVISION

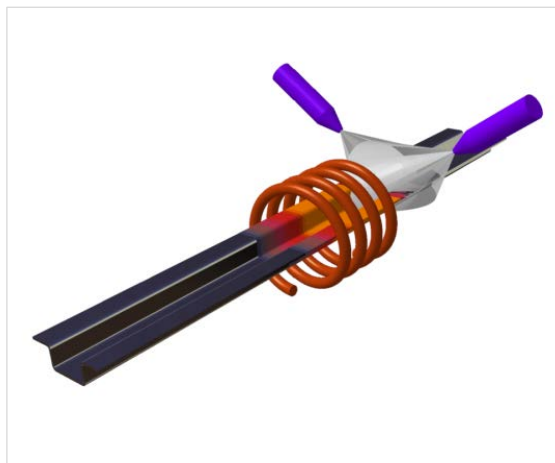
FORMING LIGHT-WEIGHT SOLUTIONS

Tailored tubes



- » Weight reduction by custom-tailored metal sheet thicknesses and strengths!

Rollform-hardening



- » More options and greater precision with partial hardening

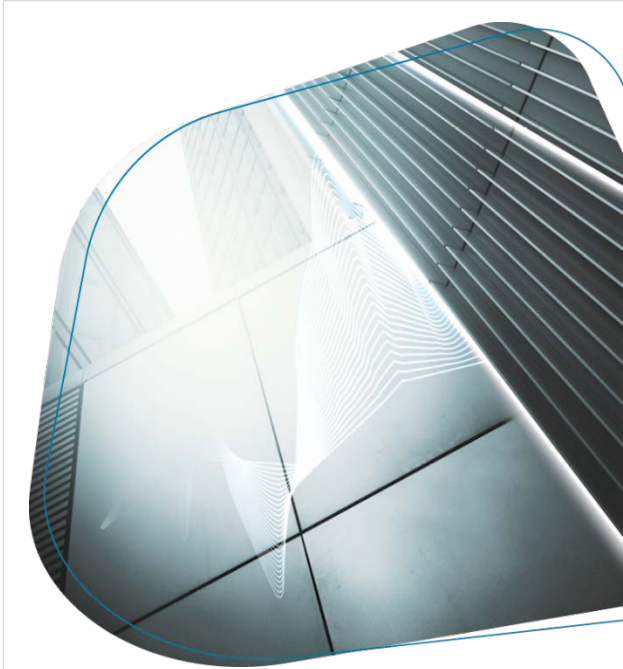
Press-hardening



- » Material and process expertise for light-weight automotive design

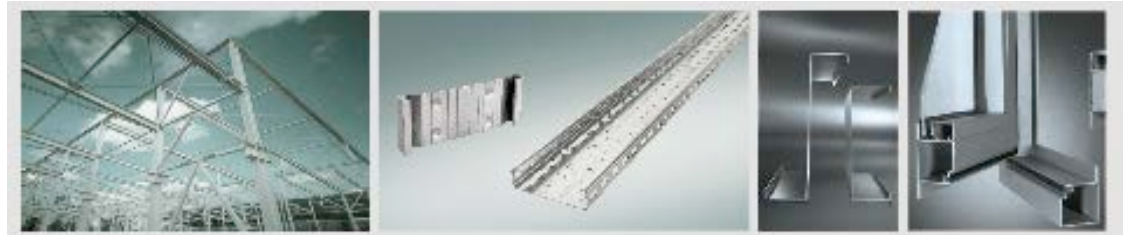
TUBES & SECTIONS BU

ROLLFORMING EXPERTISE ...



...for the building and construction industry:

- Tubes for shuttering and container construction
- Systems for hall construction, structural frames, cable ducts
- Construction sections
- Sheet pilings



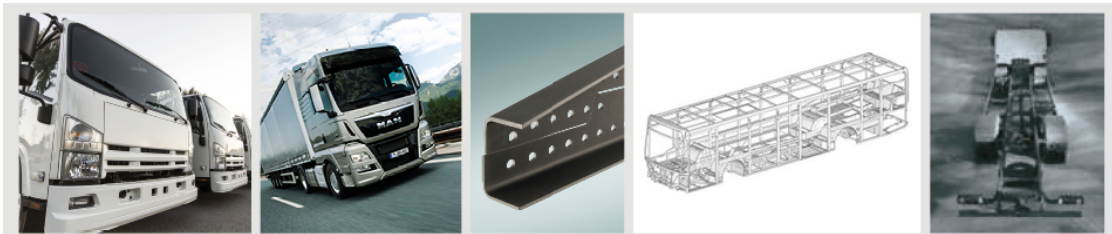
TUBES & SECTIONS BU

ROLLFORMING EXPERTISE ...



...for passenger cars, commercial vehicles & buses:

- » Tailor-made tube and section solutions for structural parts, mounted parts and chassis, such as side members, reinforcement sections for sun roofs, trunk cover tubes
- » Automotive components, such as door frames, cross members, roof structures, seat rails, etc.
- » Complex body assemblies



TUBES & SECTIONS BU ROLLFORMING EXPERTISE ...



...for construction and agricultural machinery:

- » Components for safety cabins made from high strength steel grades
- » Customized tubes & sections for construction and agricultural machinery
- » Small-scale production for selected cross sections



TUBES & SECTIONS BU

ROLLFORMING EXPERTISE ...



...for storage technology

- » High-frequency welded tubes and open sections
- » For system racks and high-bay warehouses of all types
- » Galvanized products, especially for outdoor areas



...for renewable energies

- » Customized ready-to-install components for the photovoltaic industry, solarthermics, on-roof systems, wind & bioenergy
- » System solutions for photovoltaic elements on carports, rooftops, etc.



...for the aerospace industry

- » Finished rolled and extruded stringers
- » Laser-welded titanium seat tracks
- » Pre-fabricated and finished machined components (heat-treated, laser welded, etc.)

TUBES & SECTIONS BU

TUBE & ROTATIONAL FORMING EXPERTISE ...



...for passive safety automotive components:

- » Cold-drawn precision steel tubes
- » Air suspension and airbag components
- » Tubular parts for seat belt and buckle pretensioners



AUTOMOTIVE COMPONENTS BU

PRODUCT PORTFOLIO



Innovative automotive body parts for light-weight solutions:

- » Laser-welded blanks
- » Hot formed structural parts
- » Development, production, and assembly of ready-to-install stamped and formed parts
- » Safety and collision-absorbing components
- » Body shell parts and chassis components
- » Complex spare parts and life-cycle logistics
- » Metal & plastic hybrid components (such as steel-aluminium hybrid blanks)

AUTOMOTIVE COMPONENTS BU

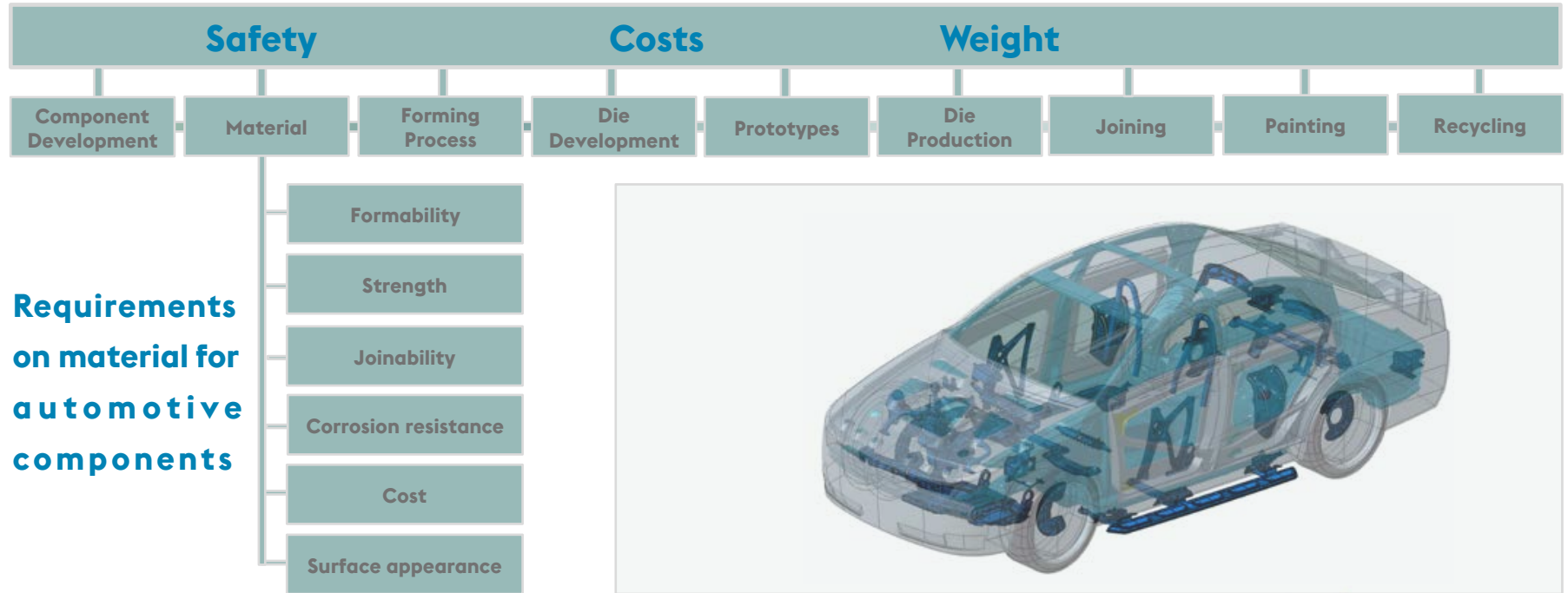
COMPETENCIES

Services for success:

- » Complete solutions from a single source from product development to prototyping to serial production & spare part services
- » Unique materials and processing expertise covering the entire process chain
- » Technological leadership with innovative light-weight solutions
- » Worldwide presence (Europe, North America, Asia, Africa)



AUTOMOTIVE COMPONENTS BU PRODUCTION PROCESSES IN AUTOMOTIVE



AUTOMOTIVE COMPONENTS BU

FROM MATERIAL DESIGN TO PART DESIGN

Past

- » Steel grade is ordered by the customer

Present

- » Geometry of the part is given
- » Appropriate grade for the part is selected
- » Part-driven development or optimization

Future

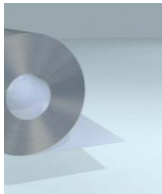
- » Design space and applied load are known
- » Shape of part and material selected within defined boundaries

Knowledge of part and component processing gets more and more important
Interaction between material design and part processing becomes a key factor

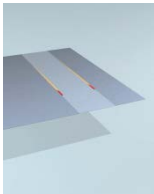
AUTOMOTIVE COMPONENTS BU

PHS-ULTRAFORM[®]

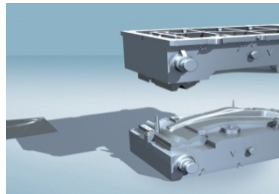
- » Classical cold forming and cutting to final geometry
- » Heating of components to ~900 degrees
- » Short cycle times from rapid cooling
- » Excellent cathodic corrosion protection, exceptional formability, best crash performance
- » Minimal tool wear, even with high unit numbers
- » Large components & complex geometries (undercutting) possible
- » High degree of dimensional accuracy



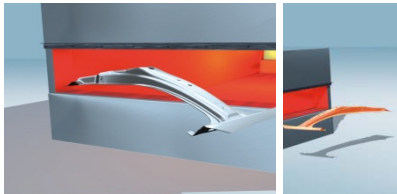
Blank



TWB



Shape cutting and cold forming



Austenitizing



Press hardening



Surface conditioning

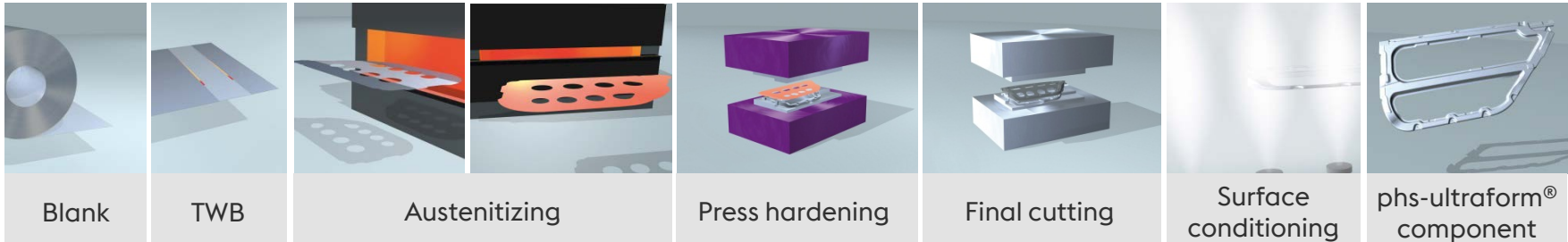


phs-ultraform[®] component

AUTOMOTIVE COMPONENTS BU

PHS-DIRECTFORM[®]

- » Simplified process steps, cold forming not required
- » Blank heating up to 900 degrees
- » Best crash performance thanks to material and process optimization
- » Very good formability despite high strength levels of end product
- » Excellent cathodic corrosion protection
- » Economical to manufacture



AUTOMOTIVE COMPONENTS BU

ALUMINIUM USED IN METAL FORMING

Aluminum in comparison to steel

- » Aluminum has a lower specific weight, but limited strength as compared to steel
- » Reduced formability (cold forming)
- » Modified joining processes (welding, toxing, clinching)
- » Modified painting processes (modified cataphoretic painting)

Examples of aluminum use in automotive parts



PRECISION STRIP BU

FORMING PRECISION



Wood band saw blade

voestalpine Precision Strip - world market leader in bi-metal strips for sophisticated metal saw blade industry

- » State-of-the-art technology with production lines developed in-house
- » Manufacture of ultra-fine strip steel with extremely low tolerances and excellent surface grade using cold rolling process
- » Access to latest melting technology, such as vacuum & re-melting processes, in the voestalpine Group

Producing special strip steel for more than 150 years



PRECISION STRIP BU

PRODUCT PORTFOLIO & INDUSTRIES



Leading expert in precision strip steel for sophisticated applications

- » Cold rolled precision strip steel products with exact dimensional stability, excellent surface quality, and customized edge profiles meet the customer's highest requirements
- » Used in metal, stone, and wood saw industries
- » Used in print and packaging as well as pulp and paper industries
- » For the leather, shoe, and textile industries
- » Special applications for technical knives, scalpels, razor blades, flapper valves for air conditions, compressors and shock absorbers

WAREHOUS & RACK SOLUTIONS BU

PRODUCT PORTFOLIO



Intelligent rack system solutions for complex logistical tasks

- » Focus on highly developed system solutions for high-bay warehouses and system racks
- » Products and services from a single source (consulting, engineering, manufacturing, and installation)
- » Long value-chain within voestalpine Group (steel production, manufacturing of tubes & sections, engineering of storage solutions)
- » Specializing in warehouses with heights above 30 meters
- » System racks for DIY stores, wholesalers, and cash-and-carry stores tailored to the customer's individual needs

FINANCIAL REVIEW

voestalpine GROUP

CONSOLIDATED STATEMENT OF FINANCIAL POSITION

	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23
Non-current assets	7,168.0	7,682.0	8,389.6	8,733.6	8,589.7	8,895.8	8,869.7	8,444.2	7,886.6	7,814.8
Current assets	5,466.8	5,522.7	5,617.0	5,973.9	6,865.3	6,755.8	6,098.4	6,466.0	8,216.6	9,278.0
Assets from disc. operations									921.5	0.0
Total assets	12,634.9	13,204.7	14,006.6	14,707.5	15,455.0	15,651.6	14,968.1	14,910.2	17,024.7	17,092.8
Equity	5,261.6	5,115.0	5,651.6	6,060.3	6,554.3	6,709.8	5,614.9	5,649.9	7,069.3	7,769.4
Pensions and other employee obligations	1,015.3	1,267.3	1,229.1	1,226.4	1,171.7	1,276.9	1,277.9	1,257.2	1,082.4	938.9
Non-current liabilities <small>Not including pensions and other employee obligations</small>	2,883.3	3,138.1	3,536.4	2,963.5	2,967.8	2,939.6	4,074.6	3,059.3	2,838.4	2,422.0
Current liabilities	3,898.7	3,684.3	3,589.5	4,457.3	4,761.2	4,725.3	4,000.7	4,943.8	5,939.5	5,950.4
Liabilities from disc. operations									95.1	12.1
Total equity and liabilities	12,634.9	13,204.7	14,006.6	14,707.5	15,455.0	15,651.6	14,968.1	14,910.2	17,024.7	17,092.8

In millions of euros

voestalpine GROUP

CONSOLIDATED INCOME STATEMENT

	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23
Revenue	11,077.2	11,189.5	11,068.7	11,294.5	12,897.8	13,560.7	12,717.2	10,901.9	14,923.2	18,225.1
Cost of sales	-8,867.1	-8,917.5	-8,631.7	-8,777.1	-9,923.3	-10,777.6	-10,559.2	-9,067.3	-11,561.0	-14,589.4
Other operating income	359.1	454.4	362.0	348.8	415.7	399.4	443.4	488.5	445.9	778.9
Distribution costs	-953.2	-975.5	-1,028.1	-1,079.2	-1,149.6	-1,211.3	-1,174.5	-986.8	-1,174.8	-1,335.8
Administrative expenses	-586.2	-603.1	-610.6	-622.3	-662.2	-695.5	-674.0	-640.8	-706.9	-781.8
Other operating expenses	-293.6	-321.8	-424.5	-356.0	-413.6	-510.2	-852.8	-370.9	-502.6	-664.9
Share of profit of associates	52.1	60.2	153.0	14.6	15.2	13.9	10.9	13.6	30.5	-7.9
EBIT	788.4	886.2	888.8	823.3	1,180.0	779.4	-89.0	338.2	1,454.3	1,624.2
Share of profit of associates										
Finance income & costs	-147.6	-147.2	-137.5	-123.4	-137.6	-133.7	-141.3	-104.4	-71.8	-133.4
Profit before tax	640.8	739.0	751.3	699.9	1,042.5	645.7	-230.3	234.8	1,382.5	1,490.8
Tax expense	-137.4	-144.0	-149.2	-173.0	-224.6	-187.1	13.8	20.9	-310.1	-405.5
Profit after tax from disc. operat.								-224.0	257.9	93.4
Profit after tax	503.4	595.0	602.1	527.0	825.4	458.6	-216.5	31.7	1,330.3	1,178.7
Non-controlling interests	3.2	8.8	-5.7	7.7	20.2	20.1	-7.7	-10.4	30.7	112.7
Share planned for hybrid capital owners	53.8	37.1	22.5	22.5	30.0	30.0	13.2	0.0	0.0	0.0

In millions of euros

voestalpine AG

voestalpine GROUP

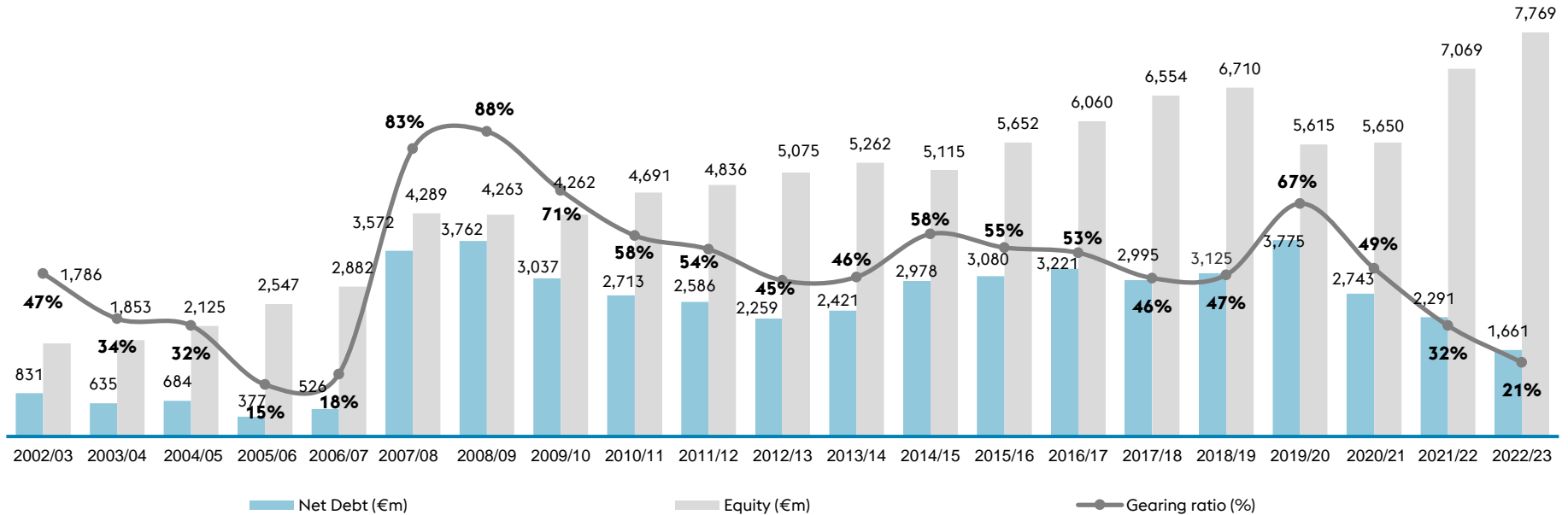
CONSOLIDATED STATEMENT OF CASH FLOWS

	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23
Cash flow from result <small>Net profit + depreciation + income from asset disposals + inc./dec. in long-term provisions</small>	1,166.0	1,175.7	1,168.3	1,249.0	1,622.0	1,303.7	870.1	1,000.2	1,842.3	1,970.2
Changes in working capital	-231.4	-55.8	113.9	-98.6	-426.9	-137,1	433.9	633.3	-599.4	-1,014.0
Cash flow from operating activities	934.6	1,119.9	1,282.2	1,150.4	1,195.1	1,166.6	1,304.0	1,633.5	1,242,9	956.2
Cash flow from investing activities <small>Not including investings in financial assets</small>	-857.3	-955.1	-1,280.2	-1,078.5	-826.9	-1,020.1	-715.6	-581.7	-633.7	141.9
Free Cash Flow	77.3	164.8	2.0	71.9	368.2	146.5	588.4	1,051.8	609.2	1,098.1

In millions of euros

voestalpine GROUP

DEVELOPEMENT GEARING RATIO



voestalpine AG

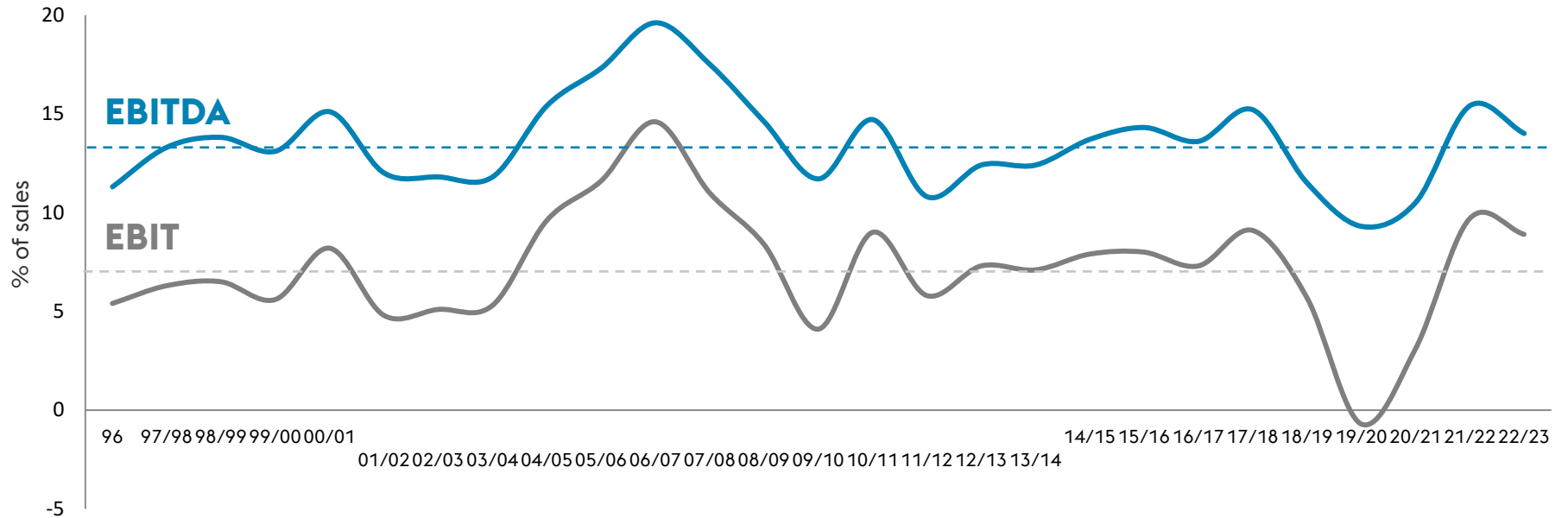
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ONE STEP AHEAD.

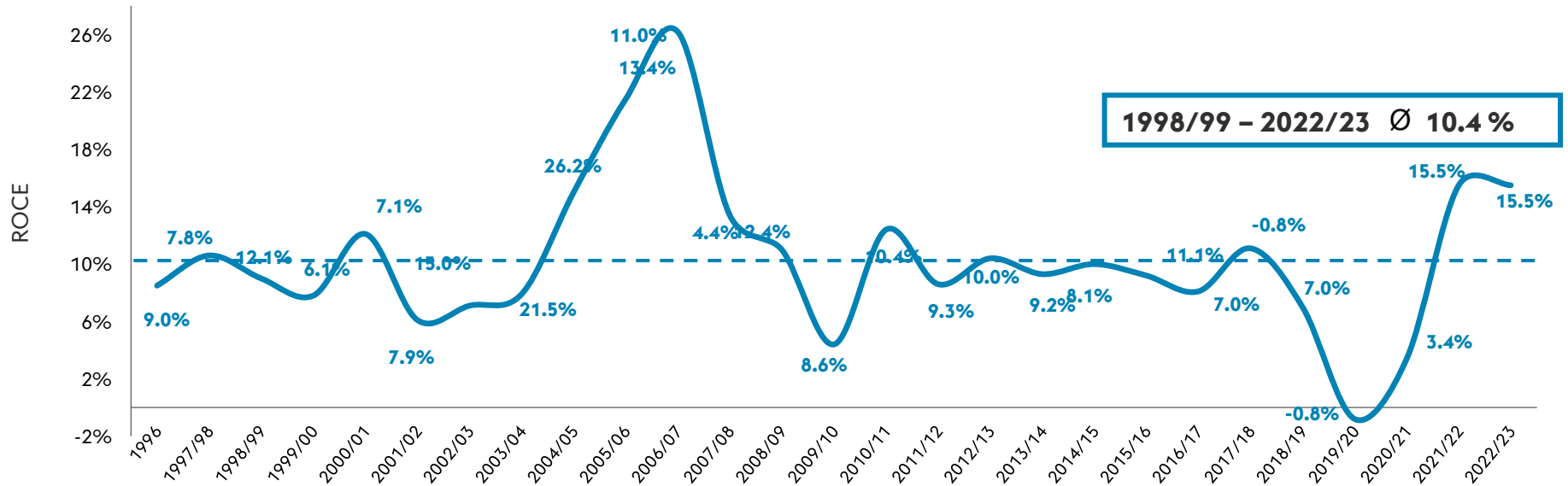
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DEVELOPMENT CONSOLIDATED MARGINS (REPORTED)



voestalpine GROUP

DEVELOPMENT RETURN ON CAPITAL EMPLOYED (ROCE)



voestalpine GROUP

DEVELOPMENT PER SHARE ITEMS

	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23
Number of outstanding shares as of March 31 (m shares)	172.4	172.4	174.9	176.3	176.3	178.5	178.5	178.5	178.5	172.7
Dividend (m€)	163.8	174.8	183.7	194.0	246.8	196.4	35.7	89.3	214.2	259.0*
Dividend per share (€)	0.95	1.00	1.05	1.10	1.40	1.10	0.20	0.50	1.2	1.5**
Profit for the period (m€)***	446.4	549.1	585.3	496.8	775.2	408.5	-222.0	42.1	1,299.6	1,066.0
Earnings per share (€)	2.59	3.18	3.35	2.84	4.40	2.31	-1.24	0.24	7.28	6.01****
Pay-out ratio (%)	36.7%	31.8%	31.4%	39.0%	31.8%	48,1%	-16.1%	208.3%	16.5%	25.0%
Share price high of financial year (€)	36.61	35.98	41.58	41.00	54.60	47.11	30.58	35.54	40.36	36.16
Share price low of financial year (€)	22.34	28.72	22.52	27.46	35.91	24.82	13.04	16.74	26.30	17.32
Share price, end of period (€)	31.91	34.10	29.41	36.90	42.57	27.07	18.54	35.33	27.02	31.28
Average share price of financial year (€)	31.21	32.86	32.76	33.62	44.46	35.59	23.38	24.51	33.63	25.09
Dividend yield (%)	3.0%	3.0%	3.2%	3.3%	3.1%	3.1%	0.9%	2.0%	3.6%	6.0%
Market capitalization, end of period (m€)	5,501.1	5,878.7	5,143.5	6,506.2	7,506.0	4,832.6	3,308.9	6,307.1	4,823.6	5,400,5

In millions of euros

* Outstanding shares as of March 31 2023

** As proposed to the AGM

*** From continuing operations excl. minorities and hybrid capital expenses

**** Undiluted EPS, based on average number of shares FY 2022/23

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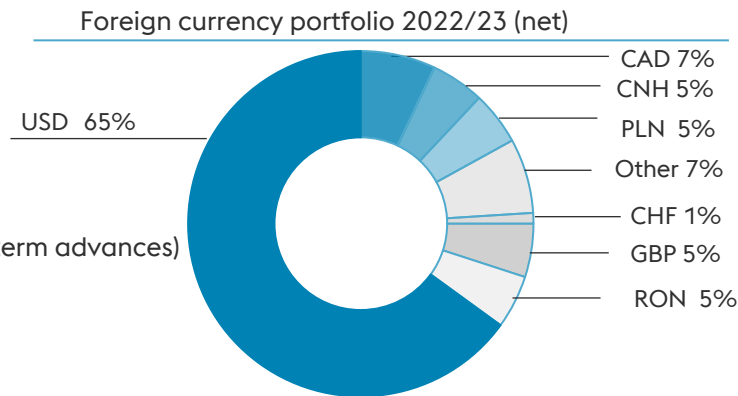
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CURRENCY MANAGEMENT

- » Largest currency position from raw material purchases in USD and to a lesser degree from exports to the “non-euro area”
 - » Net requirement for USD in voestalpine Group was USD 1,458.8 m in 2022/23
- » Hedging of the net foreign exchange exposure of the Group
- » voestalpine AG hedging budgeted foreign currency payments over the next twelve months. Longer-term hedging only for contracted projects
 - » The hedging ratio is between 25% and 100%
 - » The further in the future the cash flow lies, the lower the hedging ratio
- » FX-instruments and policy
 - » Standards FX and money market instruments (spot deals, deposits and short term advances)
 - » Derivatives only for hedging purpose (forwards, swaps)
 - » Derivatives only to cover underlying business transactions
 - » No uncovered options writing
 - » Annual treasury review by an international external auditor



voestalpine GROUP

PENSIONS & OTHER EMPLOYEE OBLIGATIONS

» Pensions

- » **Defined contribution plans** involve no future obligations after payment of premiums. In Austria the predominant part of the defined benefit pensions obligations is transferred to a pension fund. In 2015/16 all significant obligations in Netherlands were converted to defined contribution pension plans
- » **Defined benefit plans** guarantee the employee a specified pension
- » In Germany a small part of the pension rights are financed by insurers

» Severance obligations

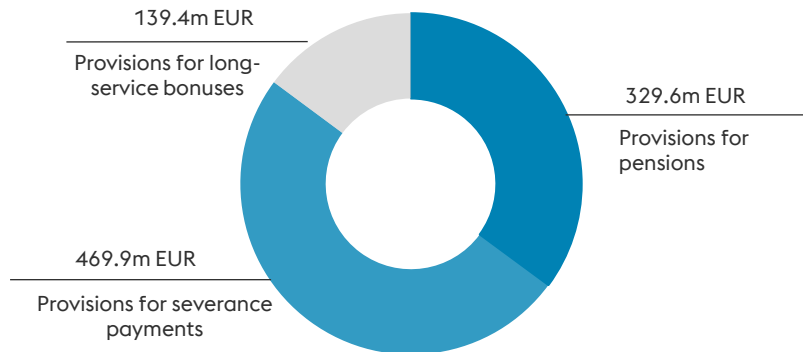
- » Employees of Austrian entities who started their employment before January 1, 2003 are entitled to receive a severance payment if their employment is terminated by the employer or if they retire
- » Employees who started employment after December 31, 2002 contributions are paid to external employee pension funds

» Obligations for long-service bonuses

- » In most of the Austrian Group companies employees get a one-time payment when the anniversary of service has been reached
- » Amount between one and three monthly salaries

Present value for pensions & other employee obligations as of
March 31st 2023

938.9m EUR



voestalpine

ONE STEP AHEAD.