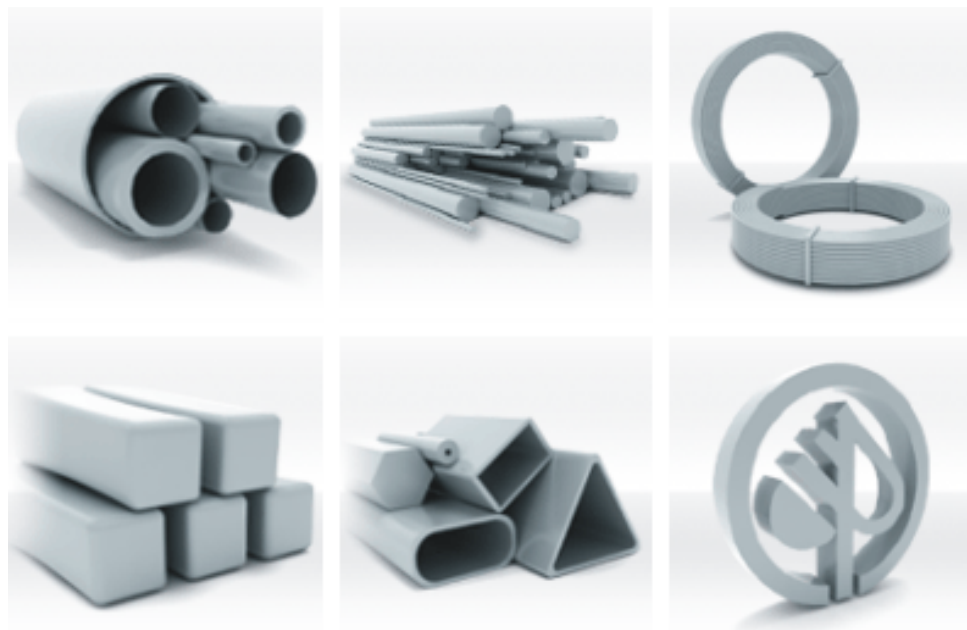




Company profile 2016





Structure of Z-GROUP

JUDr. Ing. Zdenek Zemek

Chairman of the Board, majority owner





Structure of Steel Holding



Z-Group Steel Holding



**ŽELEZÁŘNY
HRÁDEK**



POLDI

Tubes

- hot extruded

Bars

Special profiles

Ingots



**VÁLCOVNY TRUB
CHOMUTOV**

Tubes

- seamless
carbon & alloy steel



**ŽELEZÁŘNY
VESELÍ**

Tubes

- drawn
- welded
- zinc dipping

Special profiles





Company history

Z-GROUP | Steel Holding has successfully carried on the long tradition of these Czech-Moravian metallurgical companies:

Válcovny trub Chomutov

- founded by the Mannesmann company in 1890

Železářny Hrádek

- founded by entrepreneur Rudolf Hudlický in 1900

Železářny Veselí

- founded in 1962





Key indicators



**VÁLCOVNY TRUB
CHOMUTOV**
ΧΩΜΟΥΤΟΛ

Production	51 256 t
Turnover	59,8 mil. EUR
No of employees	304



**ŽELEZÁRNY
HRÁDEK**
POLDI

Production – ext.	10 511 t
Turnover	6,1 mil. EUR
No of employees	47

Production – int.	78 679 t
Turnover	N/A
No of employees	134

Praha

Brno



**ŽELEZÁRNY
VESELÍ**
ΛΕΣΣΕΓΙ

Drawing plant (D1)

Production	3 638 t
Turnover	5,1 mil. EUR
No of employees	86

Welding plant (D2)

Production	22 621 t
Turnover	13,1 mil. EUR
No of employees	75

Production 2015	88 026 t
Turnover 2015	84,1 mil. EUR
No of employees	840





Our strength

- Tradition
- Experience
- Flexibility
- Minimum order quantity = 1 ton
- Own steel inputs – Steel works in Hradek
- Own transport
- Price competitiveness
- Quality





Certificates



System certificates:

- EN ISO 9001:2008
- EN ISO 14001:2004

Product certificates:

- API 5L
- CPD EN 10210
- PED 97-23 AD2000 W0
- Lloyd's Register EMEA
- BUREAU VERITAS
- DET NORSKE VERITAS
- GOST 8731-74
- Razreshenie TU-14-3R-55-2001
- Razreshenie EN 10216 a ASME SA335
- IBR



System certificates:

- EN ISO 9001:2008

Product certificates:

- DET NORSKE VERITAS
- PED 97-23 AD2000 W0



System certificates:

- EN ISO 9001:2008

Product certificates:

- PED 97-23 AD2000 W0
- DVGW
- EN 10219
- CE 0045 CPD 0940
- EN 10255

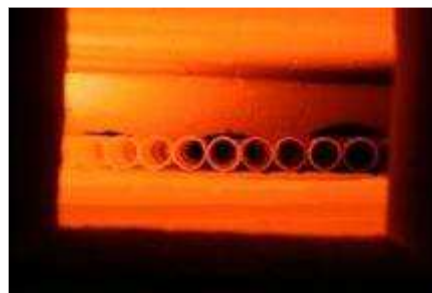




Product portfolio

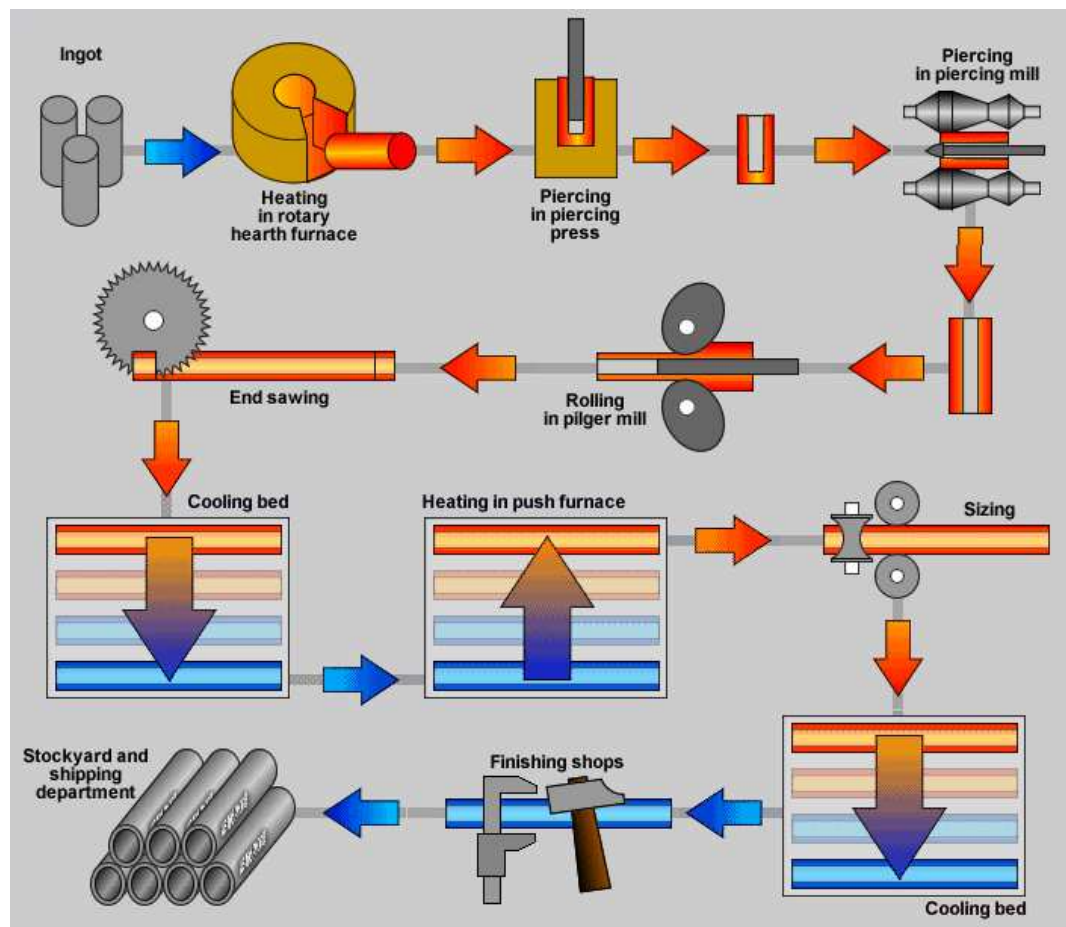
Seamless tubes	Diameter [mm]	Wall [mm]
Basic dimensions	273 - 610	9.5 - 72

Assortment	According to standard
Boiler steel tubes	ASTM / ASME
Boiler steel tubes	DIN, EN, CSN, TU
Carbon steel tubes	ASTM / ASME, API
Carbon steel tubes	DIN, EN, CSN, GOST





Production process



Testing

Destructive

- tensile test
- impact test
- flattening test
- bend test
- ring test

Non-destructive

- hydrotest
- UT test
- magnetic particle test
- liquid penetrant test
- hardness test
- PMI

Chemical analysis

Metallography

- microstructure
- macrostructure
- micro-purity
- grain size



Applications | Use of products

Power engineering

Structures, boilers, incinerators, electric plants

Oil pipelines

Oil pipelines, oil tracks

Natural gas industry

Natural gas lines, pipe connections

Waterworks

Water connections, water lines

Mining industry

Chemical industry

Industrial equipment

Construction industry





**VÁLCOVNÝ TRUB
CHOMUTOV**

Main customers

Distributors, end-users, traders

AMERICAN PIPING PRODUCTS
BENTELER GROUP
BILFINGER
BUHLMANN GROUP
CUNADO GROUP
EZEFLOW
HOBERG & DRIESCH
INCOS
INTERFER
LH OIL & GAS
RSH
RT STEEL
SIGMA
STEEL AND COMMODITIES
THYSSENKRUPP GROUP
VAN LEEUWEN GROUP

Certificates

EIL
PETROBRAS
IBR
SAIPEM ENI
Razreshenie TU-14-3R-55-2001

Registrations / approvals

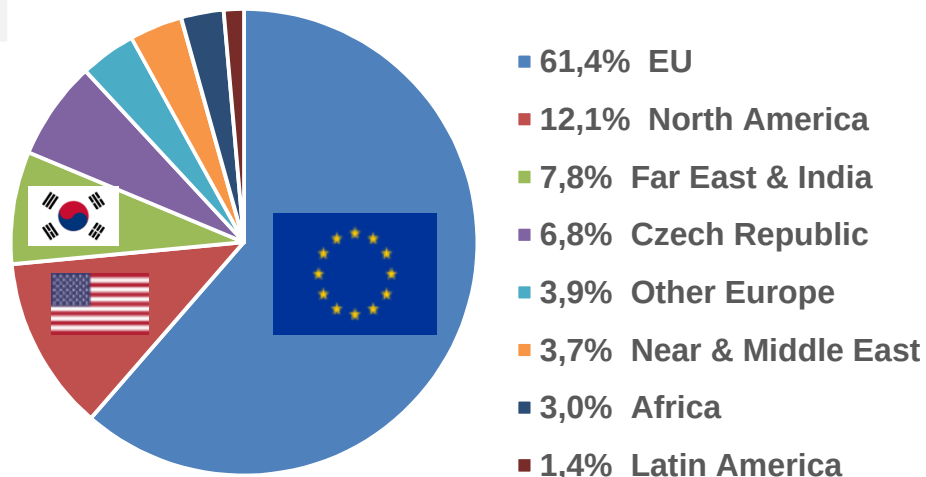
PETRONAS
ALSTOM
OMV
RELIANCE INDUSTRIES
REPSOL
SCHLUMBERGER
ExxonMobil
BHEL
Rosneft
GAMA POWER



Z-Group Steel Holding, a.s.



Sales territories



EU countries	Austria, Belgium, Bulgaria, Croatia, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Italy, Lithuania, Netherlands, Poland, Portugal, Romania, Slovakia, Spain, Sweden
Far East & India	China, India, Korea, Malaysia, Singapore, Taiwan, Vietnam
North America	USA
Near & Middle East	Iraq, Turkey, UAE
Other Europe	Belarus, Norway, Russia, Serbia, Switzerland, Ukraine
Africa	Egypt, Nigeria, South Africa
Latin America	Brasil, Colombia, Cuba, Dominican Republic



Product portfolio

Hot rolled	Dimensions [mm]
Square billets	70 x 70 - 140 x 140
Round steel bars	70 - 140
Square steel bars	70 x 70 - 140 x 140
Special HK profiles	Custom order

Cold drawn steel	Sizes [mm]
Round steel bars	16 - 60
Square steel bars	15 x 15 - 60 x 60
Flat steel bars	16 - 100 x 4 - 40
Hexagonal steel bars	15 - 70
Special HK profiles	Upon agreement

Peeled steel	Diameter [mm]
Round steel bars	10 - 100

Extruded tubes	Diameter [mm]	Wall [mm]
Hot extruded	30 - 114	4.5 - 30
Special HK profiles	Upon agreement	

Ingots	Weight [kg]	Steel grade
Square, round, twelve-sided	1 225 - 4 050	CSN class 11-16, 19 steel and their foreign equivalents



Characteristics of ingots production

- Use of ingots**
- input for seamless hot rolled production (round ingots)
 - input for hot rolled steel bars production (square ingots)
 - forgings (polygonal ingots)
 - rolled hoops production (round ingots)

Furnace type and capacity	EHF / LF / VD – 11 t/h
Source material	scrap
Quantity per heat	45 t
Max quantity of heats per day / week	270 / 1800 t
Min quantity for batch or PO	1 heat = 45 t
Possibility of vakuum degassing	yes VD
Checking method	visual inspection only
Steel killing	by Al
Max dispatched quantity per day & number of days/weeks to earliest possible dispatch	200 t / 10 days

- Deep dehydrogenization of low & medium alloy carbon steel melt to level below 1,5 ppm H₂, measured by HYDRIS device. Acc to requirement it is possible below 1,2 ppm H₂.
- Deep desulfurization, S max 50 (30) ppm (analysis by LECO device)
- Denitrogenization, N max 70 ppm – melt; N max 90 ppm – ingot
- Total oxygen max 15 ppm



ŽELEZÁŘNY
HRÁDEK



POLDI

Applications | Use of products

Automotive industry

*Parts of control, shafts, transmission ,
bearings, valves, strength bolts*

Industrial equipment

*Shafts of machines, machining center parts, Bearing
 housings, bearings, instrument for wood , tools and tool
 holders of machines*

Power engineering

Shafts of wind power plants

Marine Industry

Shafts

Mining industry

Components of conveyor systems, drilling rings

Construction industry

*Grinding systém for construction
materials*

Furniture

Parts of strongbox



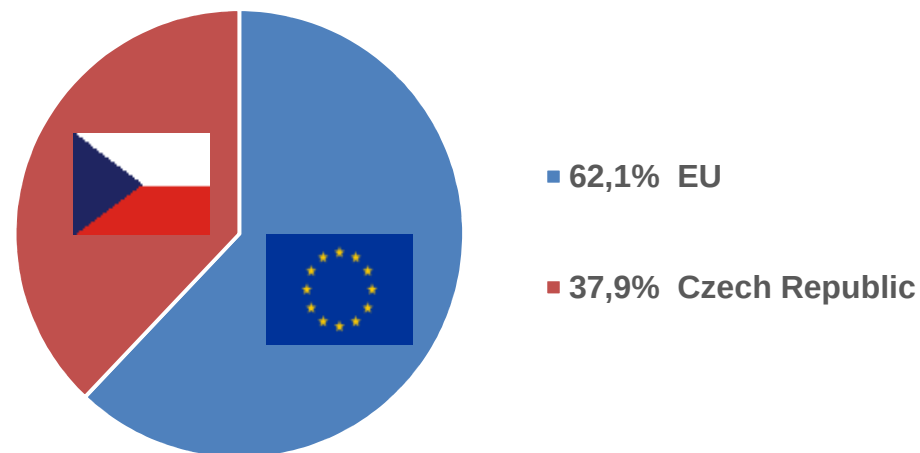
Z-Group Steel Holding, a.s.

Main customers

Industries – Automotive **Mining**
Construction **Industrial equipment**

ALOIS SCHMITT
 CZECH PRECISION FORGE
 EHG STAHLZENTRUM
 FERONA
 HEINE+BEISSWENGER
 IMFEREX
 INTERFER EDELSTAHL
 JUCHHEIM HANDELS
 PERNAT SMJ
 PILANA MCT
 SCHMOLZ+BICKENBACH
 ZDAS SGS
 ZKL

Sales territories



EU countries

Austria, Belgium, Denmark, France, Germany, Poland, Slovakia



Product portfolio

Steel tubes	Diameter [mm]	Wall [mm]
Precision welded with increased accuracy	4 – 110	0.5 - 4.5
Precision welded, cold calibrated	10 - 40	0.6 - 2.0
Precision solid - drawn	4 - 110	0.5 - 4.5
Seamless for injection equipment	6 - 13	2.0 - 4.0

Thin-walled steel profiles closed, welded	Diameter [mm]	Wall [mm]
Square	13 x 13; 25 x 25; 30 x 30	1.0 - 1.5
Rectangular	15 x 10; 20 x 10; 30 x 20	0.8 - 2.0
Drawn - square	8 x 8 - 60 x 60	0.8 - 4.0
Drawn - rectangular	15 x 10 - 100 x 40	0.6 - 4.0
Drawn, special - flat-oval	20 x 6 - 68 x 9	1.0 - 3.0
Drawn, special - oval	25 x 17 - 40 x 20	1.0 - 3.0

Steel tubes, lengthwise weld	Diameter [mm]	Wall [mm]
Smooth	16.0 - 114.3	1.50 - 4.50
Threaded	17.2 - 114.3	2.35 - 4.50
Precision	16.0 - 60	1.00 - 3.00

Thin-walled steel profiles, closed	Diameter [mm]	Wall [mm]
Square	15 x 15 - 80 x 80	1.2 - 4.0
Rectangular	30 x 18 - 100 x 80 (120 x 60)	1.2 - 4.0
Special	Custom dimensions	

Surface: black or hot galvanized.





**ŽELEZÁŘNY
VESELÍ**

Applications | Use of products

Automotive industry

*Keeping the media, seats, shafts,
shock absorbers*

Industrial equipment

*Frames, parts of distribution,
maschine parts*

Waterworks

Water distribution

Natural gas industry

Gas distribution - medium

Industrial equipment

Railing, construction

Construction industry

Traffic signs, construction, scaffolding

Furniture

Parts of construction

Power engineering

Radiator systems



Z-Group Steel Holding, a.s.



**ŽELEZÁŘNY
VESELÍ**

Main customers

**Industries – Automotive, Construction,
Furniture, Waterworks, Industrial equipm ...**

CZ FERRO-STEEL

FAVEX

HANS BLEYER

ISC

KBS – ROHR

LUPY

METALIMEX

MUT AUTOMOTIVE

RAVEN

RUDOLPH USINADOS SK

RUTTGER

SAM STEEL

SEEBERGER

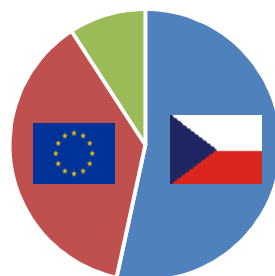
SOLAR

TESKO

THIEL + HOCHÉ

TOM FERR

Sales territories

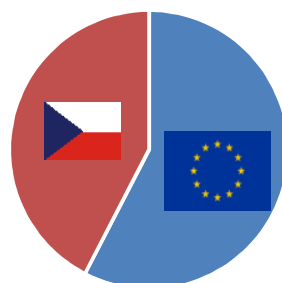


Drawing plant (D1)

■ 53,4% Czech Republic
■ 37,4% EU
■ 9,2% Other Europe

EU – Germany, Hungary,
Lithuania, Slovakia,
Slovenia

Other Europe –
Belarus, Russia, Ukraine



Welding plant (D2)

■ 57,6% EU
■ 42,4% Czech Republic

EU –Bulgaria, France,
Germany, Hungary,
Lithuania, Poland, Slovakia,
Slovenia



Z-Group Steel Holding, a.s.



**ŽELEZÁRNÝ
VESELÍ**

Contacts



**ŽELEZÁRNÝ
HRÁDEK**



POLDI

Z-Group Steel Holding, a.s.,
Division Zelezarny Hradec

Rokycanska 204
338 42 Hradec
Czech Republic

Tel: +420 371 765 437
Fax: +420 371 723 895
E-mail: sales-zh@steel-holding.cz



**ŽELEZÁRNÝ
VESELÍ**

Z-Group Steel Holding, a.s.

Kollarova 1229
698 12 Veseli nad Moravou
Czech Republic

Tel: +420 518 311 111
Fax: +420 518 311 222
E-mail: sales-zv@steel-holding.cz



**VÁLCOVNY TRUB
CHOMUTOV**

Z-Group Steel Holding, a.s.,
division Valcovny trub Chomutov

Libusina 4778
430 01 Chomutov
Czech Republic

Tel: +420 474 644 096
Fax: +420 474 642 288
E-mail: sales-vtch@steel-holding.cz



Z-Group Steel Holding, a.s.