

BLS ROLLING MILL & MELTSHOP TECHNOLOGIES



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Rolling Mill & Meltshop Technologies

A leading provider company of;

- ✓ Turn-Key Facility Projects,
- ✓ Renovation projects,
- ✓ Revamping / Upgrading projects,
- ✓ Production of complete MELTSHOPS and ROLLING MILLS

with an over 30 years of experience in the Iron and Steel Industry from machinery to TURN-KEY facilities.

Main activity is to built up the integrated steel plants consists of;

- ✓ Meltshop for billet production
- ✓ Bar Rolling Mills to produce Rebars Wire Rod Mills
- ✓ Various Light/Medium Section Mills

can be produced according to customer needs and requirements.



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BLS has over than 150 employees and highly qualified and experienced engineers and technical staff especially involved in design and management of the projects

Our powerful points:

- ✓ Top-level engineering solutions
- ✓ Dedicated project teams
- ✓ The best economical solution approaches
- ✓ Flexibility depending on the customer needs
- ✓ Tailor made and unique solutions for each inquiry
- ✓ Well-equipped machinery park

The logo consists of two overlapping orange diamond shapes. The left diamond is slightly behind and to the left of the right diamond. The letters 'BLS' are written in white, bold, sans-serif font across the center of the diamonds.

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Our Facilities:

- I. BLS Headquarter: Located in KALAMIŞ-KADIKÖY-İSTANBUL
- II. BLS Machinery Factory-1: Located in Dilovası where the iron and steel sector is highly concentrated and the machinery industry is most sophisticated.
- III. BLS Machinery Factory-2: Located at the Industrial Zone in ISPARTA 130 km faraway from ANTALYA harbour
- IV. BLS – ERMAKSAN Gearbox Manufacturing Plant in ANKARA

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BLS DILOVASI FACTORY

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BLS ISPARTA FACTORY

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BLS-ERMAKSAN FACTORY-3



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Top-level engineering solutions with operative excellence and dedicated project teams

ADDITIONAL FEATURESUT

R&D-RESEARCH AND DEVELOPMENT

Apply of;

- ✓ Best available Technologies for human and environment health
- ✓ Improvement of the energy and production efficiencies
- ✓ Development of high technologies,
- ✓ Reduction in operational costs.
- ✓ Creation of unique solutions with the own technology in design and production
- ✓ Usage of the own OPERATIONAL know-how

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ADDITIONAL FEATURES

SITE INSTALLATION SERVICES

TECHNICAL ASSISTANCE FOR THE OPERATION

In order to achieve the most competitive production levels, BLS supplies;

- ❖ The technology transfer to achieve optimum productivity and efficiency levels.
- ❖ The production management systems,
- ❖ The production planning,
- ❖ The quality control,
- ❖ The maintenance and spare parts management,
- ❖ The operational cost control,
- ❖ The production organizational structure, industrial engineering and safety.
- ❖ The trainings in different levels

WORLDWIDE PROJECTS & REFERENCES

KOCKANIAN GROUP - RUSSIA
300.000 TPY Rolling Mill Plant

KURUM IRON STEEL CO. -TURKEY
350.000 TPY Rolling Mill Plant

ERBIL STEEL CO. -IRAQ
300.000 TPY Rolling Mill Plant

ERBIL STEEL CO. - IRAQ
200.000 TPY Meltshop Plant

ALBANIA KURUM INT.
300.000 TPY Rolling Mill Plant

ALBANIA KURUM INT.
700.000 TPY Melt Shop

ALBANIA KURUM INT.
350.000 TPY Profile Mill

OZER STEEL CO. - IRAQ
150.000 TPY Rolling Mill

BESEL ROLLING MILL CO.
30 TPH Re- Heating Furnace

SOZDEN ROLLING MILL CO.
50 TPH Rolling Mill Revamping

NURMET HADDECILIK- TURKEY
Quenching System

STS - ITALY
56 M Cooling Bed

MUGHAL IRON & STEEL - PAKISTAN
40 TPH Medium Section Mill

DILER IRON STEEL CO. -TURKEY
78 M Cooling Bed

DILER IRON STEEL CO. -TURKEY
Waterbox and Tempcore System

STS -ITALY
CCM and Meltshop Equipments

KROMAN IRON STEEL CO.
Various Rolling Mill and Meltshop Equipment

KARDEMIR TURKIYE
Various Rolling Mill Equipment

SIVAS IRON STEEL CO.
Various Rolling Mill and Meltshop Equipment

IZMIR IRON STEEL CO.
Various Rolling Mill and Meltshop Equipment

QATAR STEEL
Various Rolling Mill Equipment

SAFA TOOS.-IRAN
80tph MSM Rolling Mill Revamping Project

ALCOMET A.D. BULGARIA
Meltshop Equipment

SHAHROOD STEEL CO. - IRAN
Revamping Project

BAŞTUĞ HADDECİLİK - TURKEY
Quenching System



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WORLDWIDE PROJECTS & REFERENCES

SIRJAN HADIDE – IRAN
30 TPH Rolling Mill Plant

FOULAD ALBORZ TAKESTAN CO. – IRAN
Roughing Mill

KAMAZ CO. – TURKMENISTAN
Various Rolling Mill and Meltshop Equipment

ERBIL STEEL CO. – IRAQ
30tph to 60tph Rolling Mill Plant Revamping

GEOSTEEL – GEORGIA
Various Rolling Mill Equipments

ENCE – RUSSIA
Various Rolling Mill and Meltshop Equipment

ZARANDIE HIRBOD STEEL – IRAN
700.000 TPY Bar Mill Plant

KARDEMİR – TURKEY
SPECIAL QUALITY ROUNDS FINISHING LINE

DILER – TURKEY
Various Rolling Mill Equipments

ÇAĞÇELİK – TURKEY
2ea 200tons Cold Shear

AĞIR HADDEÇİLİK – TURKEY
Various Rolling Mill Equipments

KARDEMİR – TURKEY
Rail Hardening System

MOJTANE E NAVARD NAB AZERBAIJAN – IRAN
Medium Section mill Revamping

ENCE – RUSSIA
1,000 tons Cold Shear

ARCELOR MITTAL – UKRAINE
BAR HANDLING SYSTEM

FOULAD NAB TABRIZ – IRAN
FLY SHEAR

MOJTANE E NAVARD NAB AZERBAIJAN – IRAN
Upgrading and revamping to produce np1 180-200-220 & ipe 180-200 by the use of 180-200 blooms and to improve the product quality

FOULAD NAB TABRIZ – IRAN
Housingless intermediate stands

MUGHAIL IRON & STEEL – PAKISTAN
Section mill revamping with universal mill addition

MUGHAIL IRON & STEEL – PAKISTAN
Bar mill revamping to apply two line slitting

DILER – TURKEY
Wire rod mill reels handling system

MACHINERY & EQUIPMENT FOR IRON AND STEEL INDUSTRY**EAF-ELECTRIC ARC FURNACE AND LF- LADLE
FURNACE EQUIPMENT**

- EAF Shells, Roofs, elbows,
- Teeming and Transfer Ladles
- Lances
- Lifting Devices
- Ladle Tilters/Rotators
- Ladle Stands
- Tundish Equipment (Stands, Tilters,)
- Scrap Buckets
- Clam-shell Scrap Buckets.
- Hot Metal, Torpedo, Cars
- Lifting Bails and Laminated J-Hooks.
- AOD and BOF Vessels

CC MACHINE EQUIPMENT

- Ladle Turrets
- Tundishes
- Tundish Cars
- Moulds
- Withdrawal and straightener
- Pinch Roll
- Billet Shears(oxy gas, pendulum or hydraulic type)
- Dummy Bar
- Billet Cooling Beds (stationary, turnover)
- Oil Skimmers

ROLLING MILL EQUIPMENT

- Reheating Furnace
- Billet ejector
- Billet pusher
- Pinch Roll at the furnace exit
- Furnace billet/bloom pusher
- Descaler
- Pinch Roll for roll biting
- Pendulum Shear
- Mill Stands
- Vertikal&Horizontal Gearboxes
- Loopers for non tension rolling
- Quenching Box for Bar Tempering Process
- Cooling Bed Flying Shears-Start/stop or clutch/
Brake types
- Cold Bar Shear
- Circular Saws (hot or cold)
- Chain Transfers
- Bar Counters
- Short Bar Out units
- Bar /Profile Bundling Units
- Magnetic Stackers for sections
- Bundle weighers
- Bundle conveyors
- Billet shears
- Bundle bending Machine
- Cooling Beds
- Crop Shears
- CB Flying Shears



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WORKSHOP



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PINCH ROLL



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HOUSINGLESS MILL STANDS



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UNIVERSAL MILL STANDS



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ROBOTS FOR ROLL CHANGING



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COMBINED PINION REDUCERS FOR VERTICAL MILL STANDS



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COMBINED PINION REDUCER FOR HORIZONTAL MILL STAND



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UNIVERSAL JOINT (CARDAN) SHAFTS



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QUENCHING BOX FOR BAR HEAT TREATMENT PROCESS (TEMPCORE)



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QUENCHING BOX NOZZLES FOR BAR HEAT TREATMENT PROCESS (TEMPCORE)



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GUIDES



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FLYING SHEAR



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CRANK SHEAR



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COLD SHEAR



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COLD SHEAR 1000 Tons



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COLD BILLET SHEAR



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HOT SAWS



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COOLING BED AREA



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PACKING AREA



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TYING MACHINE



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SOME OF OUR TURN-KEY SOLUTIONS



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SOME OF OUR TURN-KEY SOLUTIONS

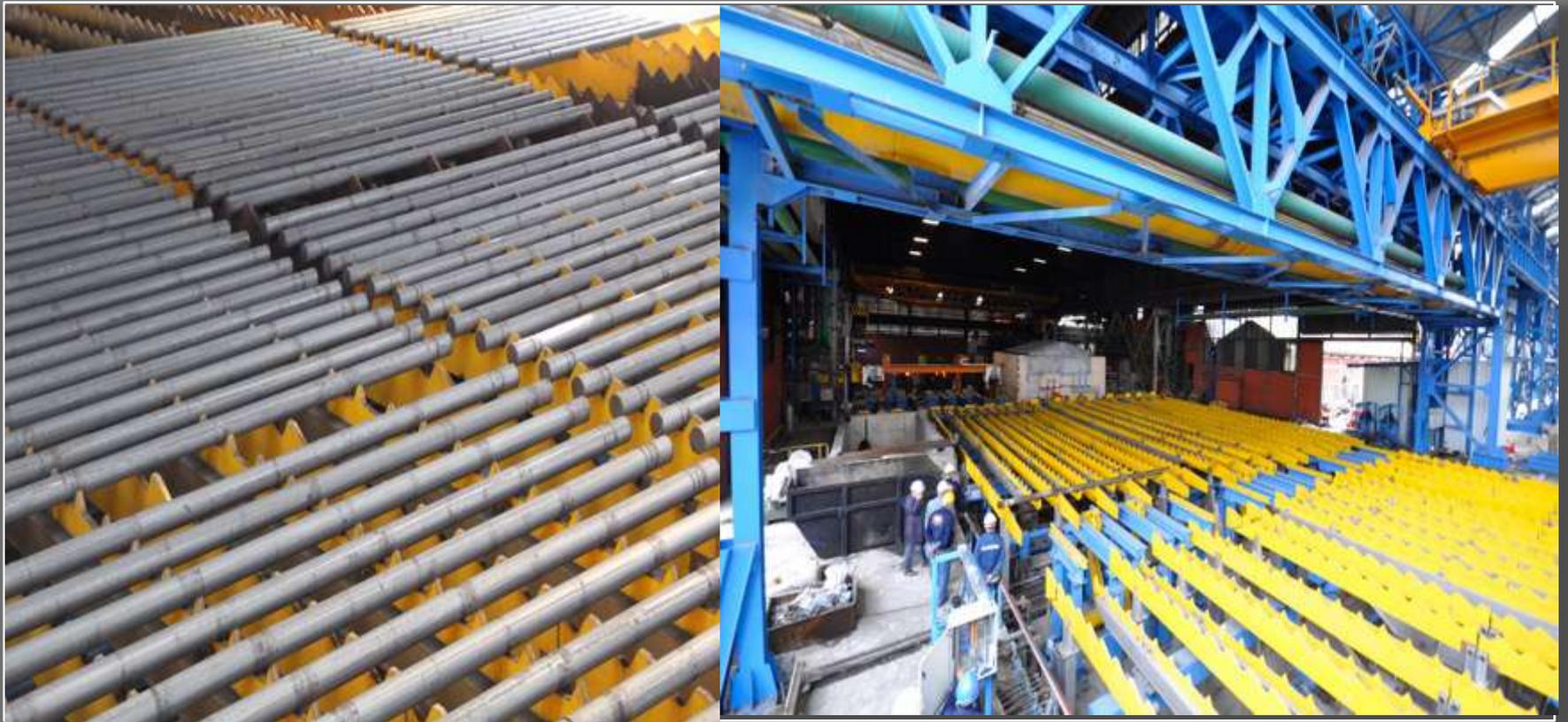


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SOME OF OUR TURN-KEY SOLUTIONS



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SOME OF OUR TURN-KEY SOLUTIONS



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SOME OF OUR TURN-KEY SOLUTIONS



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EBT-ECCENTRIC BOTTOM TAPPING TYPE EAF- 80 TONS PER CAST



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Top-level engineering solutions with operative excellence and dedicated project teams

EBT-EAF BOTTOM SHELL

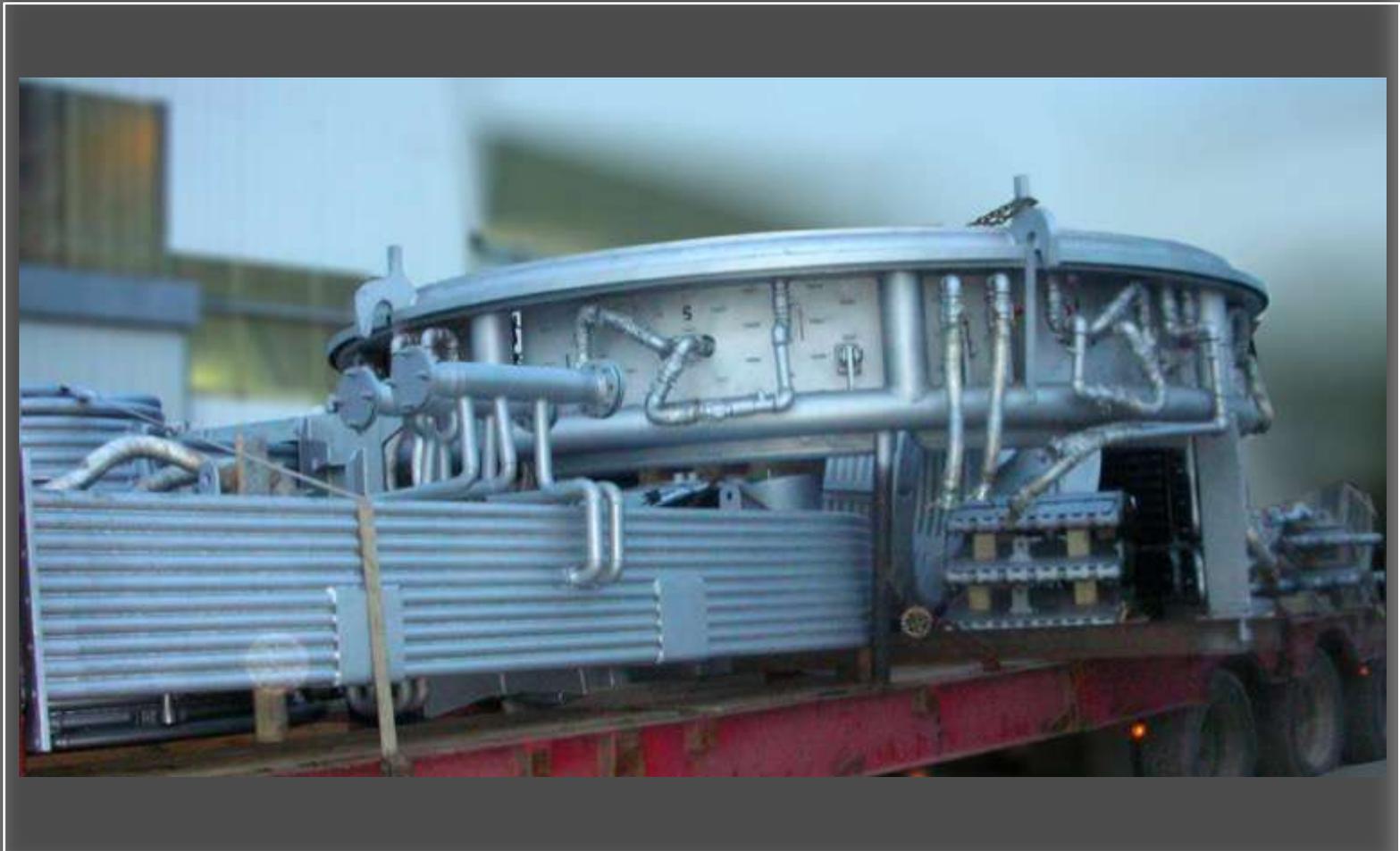


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EBT-EAF UPPER SHELL

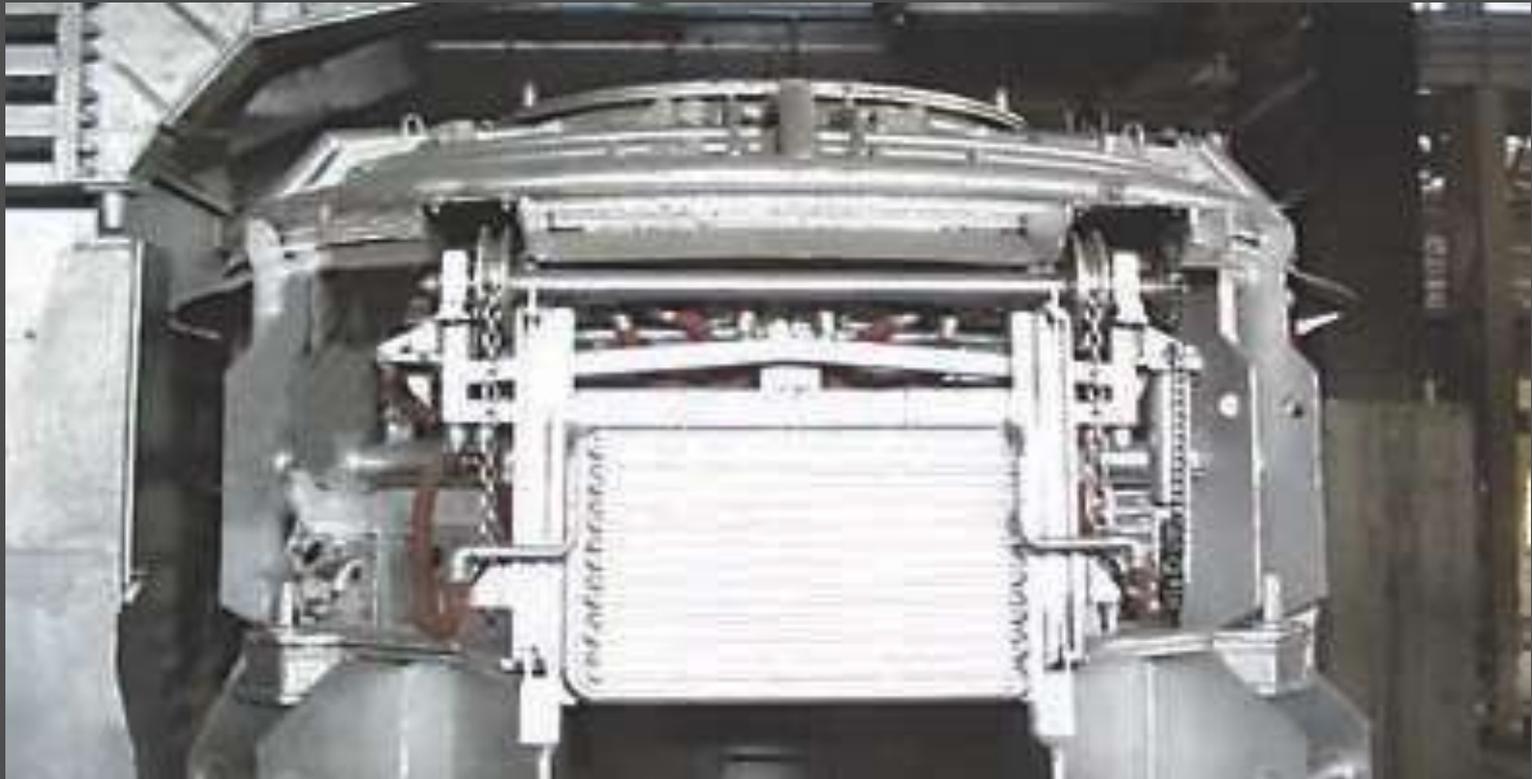


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EBT-EAF BOTTOM SHELL SLAG DOOR

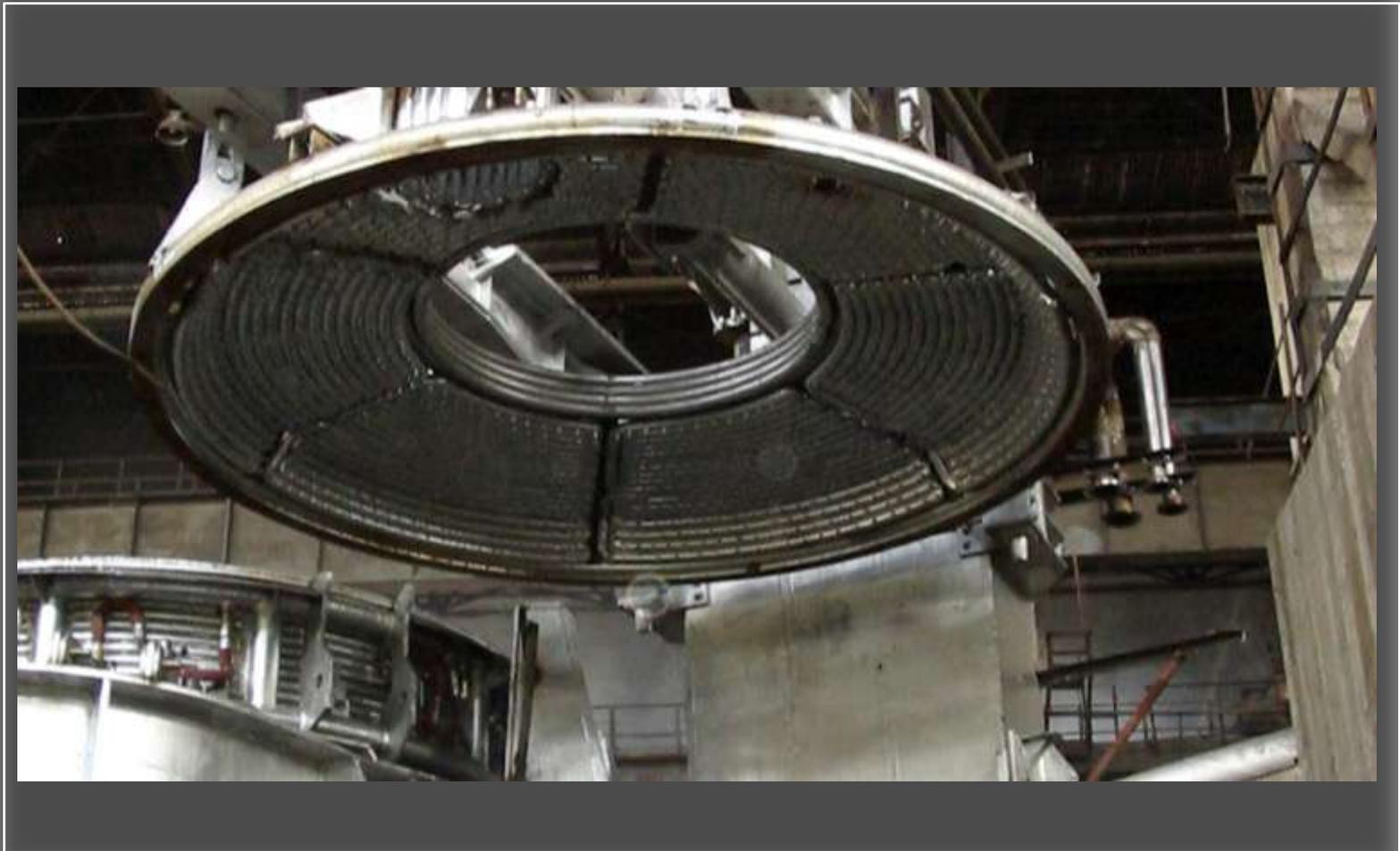




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EBT-EAF ROOF

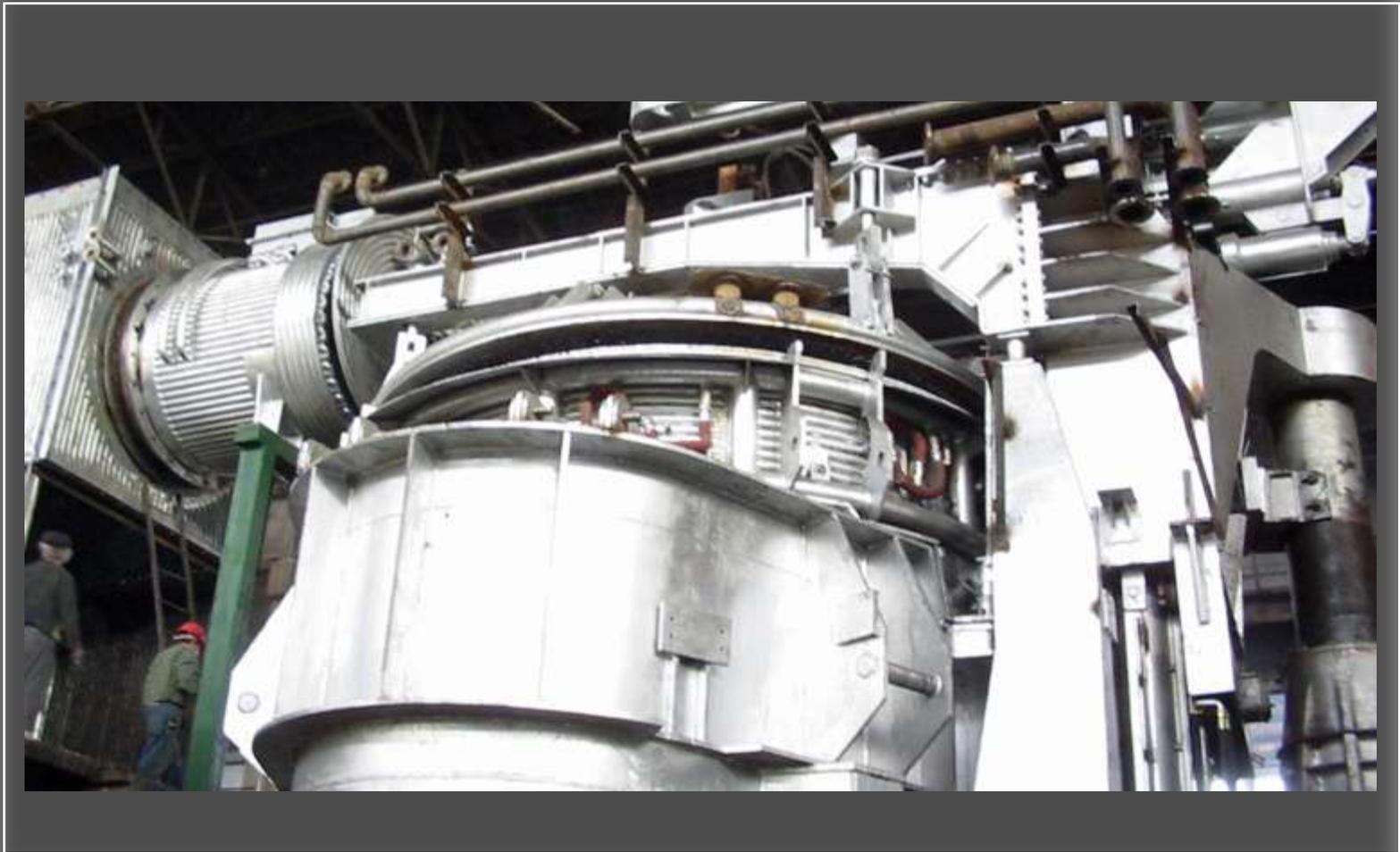




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Top-level engineering solutions with operative excellence and dedicated project teams

EBT-EAF





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Top-level engineering solutions with operative excellence and dedicated project teams

EBT-EAF ROOF



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Top-level engineering solutions with operative excellence and dedicated project teams

EBT-EAF UPPER SHELL WATER COOLED PANELS



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EBT-EAF WC PANELS

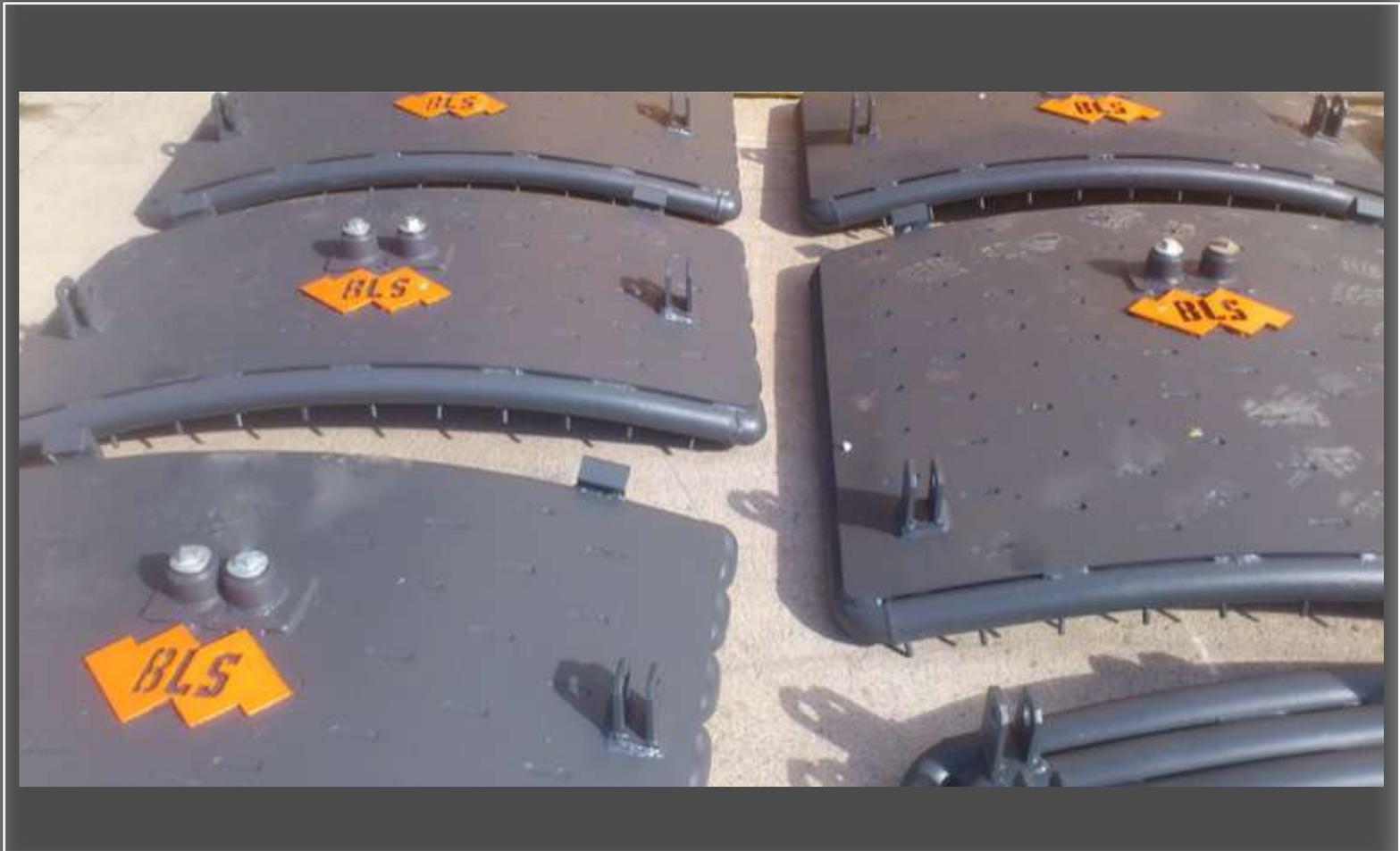


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EBT-EAF-VIEW of WATER COOLED PANELS

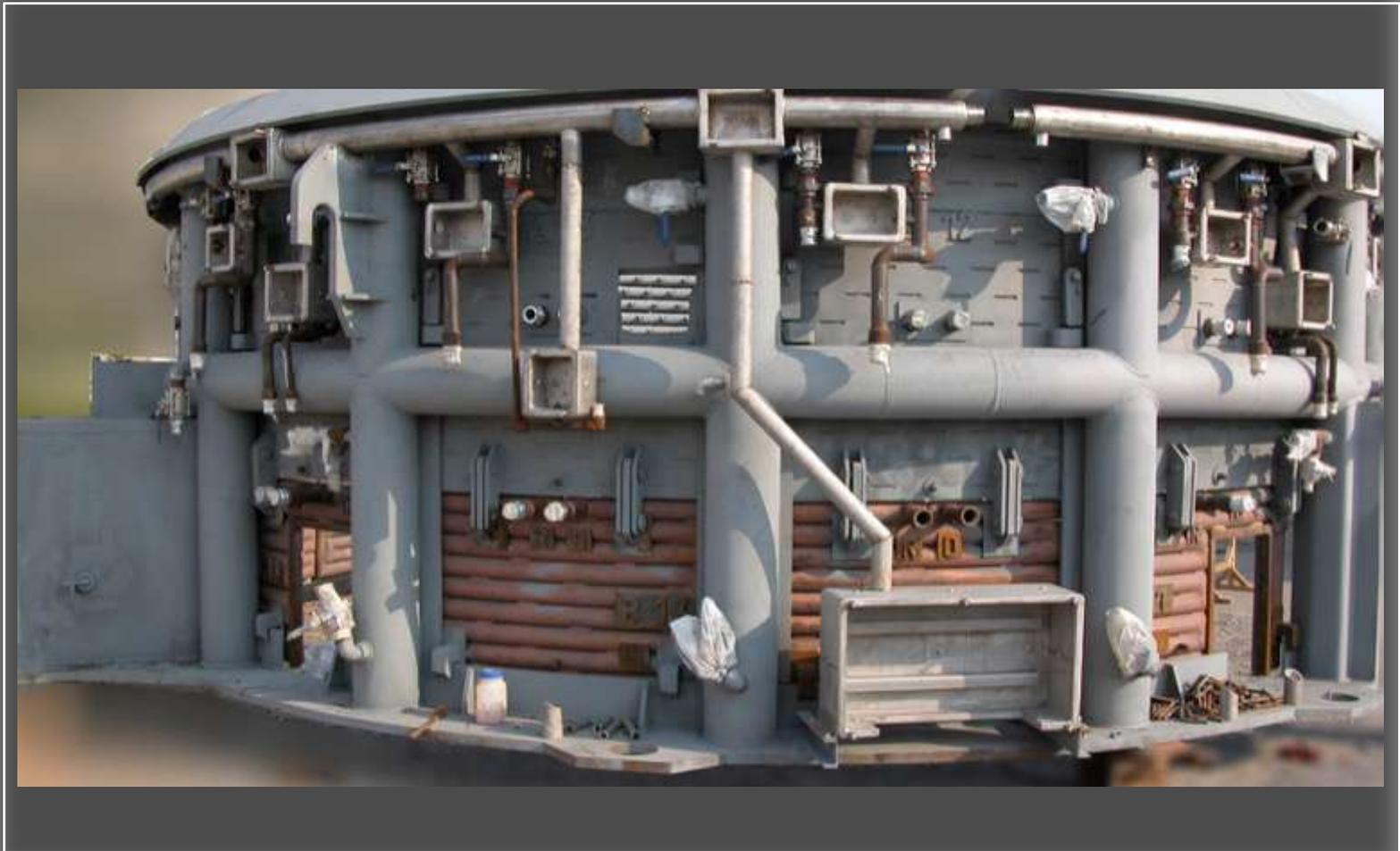


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EBT-EAF-UPPER SHELL



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LADLE TRANSFER CAR





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VARIOUS CARS



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LADLE TRANSFER CAR



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LADLE TRANSFER CAR



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CCM-LADLE CAR WITH TWO EYES

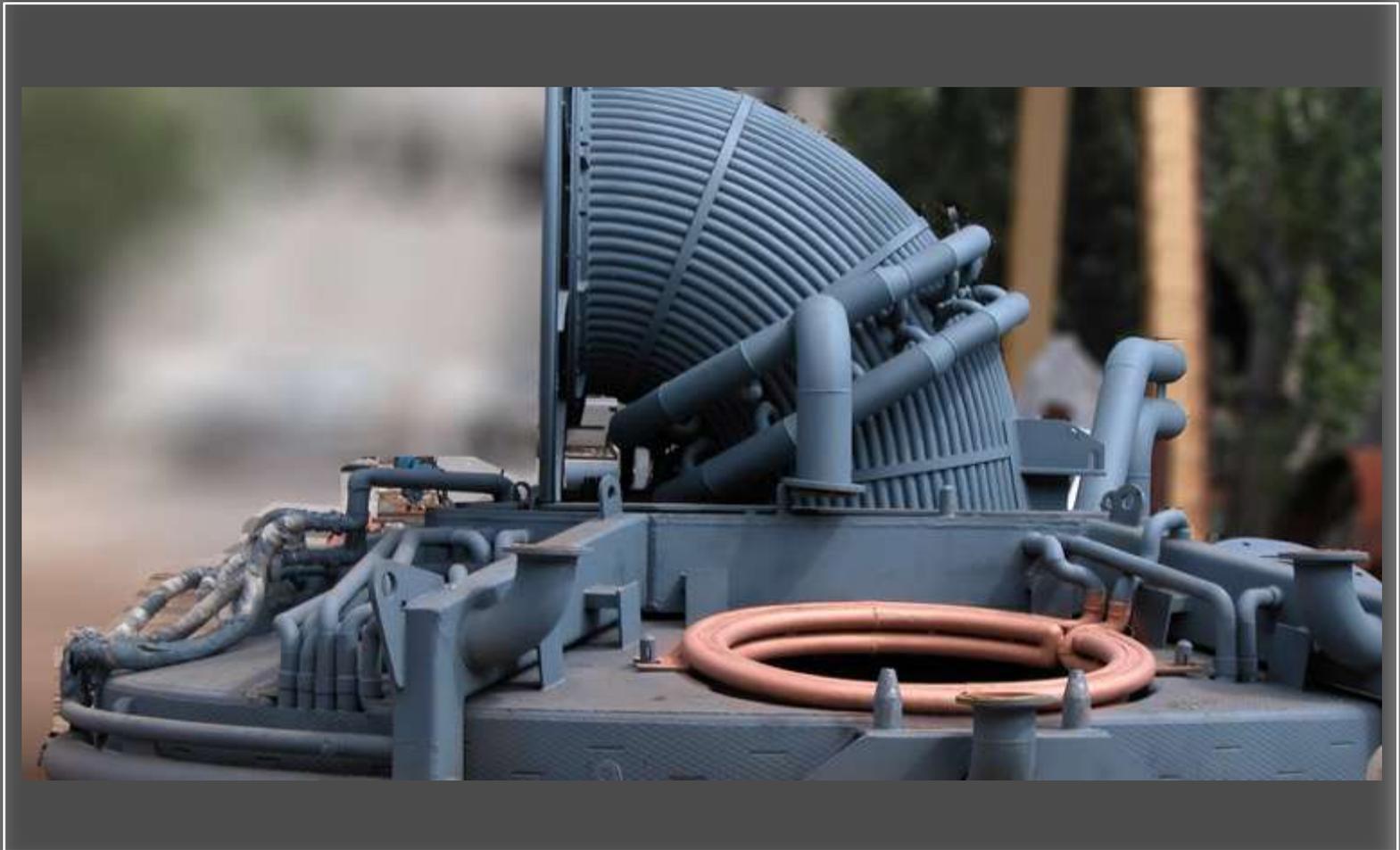


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ELBOW and EAF ROOF



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LF-LADLE FURNACE-WC PANELS



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EBT-EAF BOTTOM SHELL

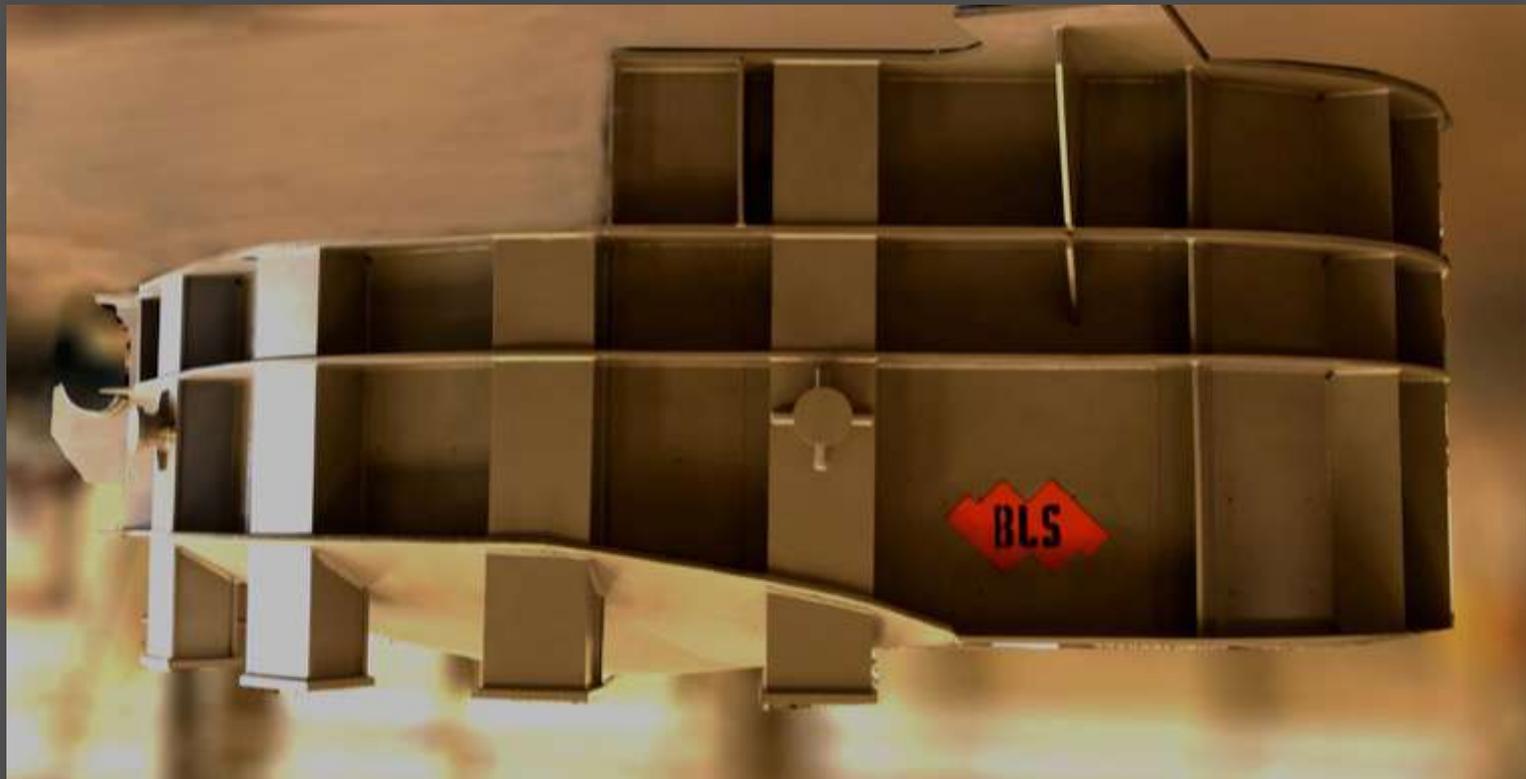


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EBT-EAF BOTTOM SHELL



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EBT-EAF BOTTOM SHELL -ELBOW





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EBT-EAF WC PANELS





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EBT-EAF HEART



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DUST SILOS



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CCM-HYDRAULIC BILLET SHEAR



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WATER COOLED TYPE ROLLER TABLE





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BILLET CROSS TRANSFER CAR



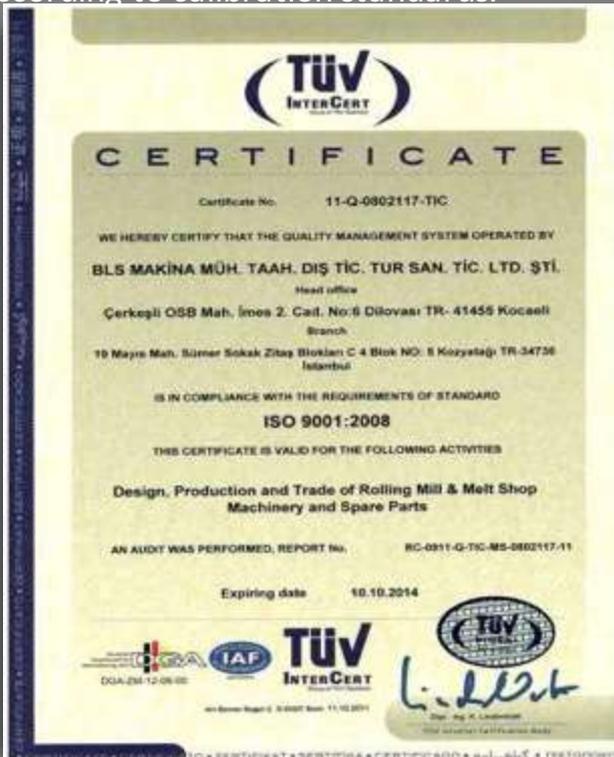
BLS**Rolling Mill & Meltshop Technologies***Top-level engineering solutions with operative excellence and dedicated project teams***CERTIFICATES**

Quality is our priority.

Every detail of the machinery parts produced is examined, measured and tested according to customer requirements by trained quality engineers.

Quality Control at every stage of manufacturing for each part.

Every measurement equipment is calibrated periodically according to calibration standards.



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FACTORY & HEAD OFFICE



BLS Rolling Mill & Meltshop Technologies

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