



TOSYALI ALGÉRIE Fer et Acier



Tosyali
Algérie

www.tosyali-algerie.com





TOSYALI ALGÉRIE Fer et Acier

2013

About Tosyalı Algérie

We see sustainability as the most indispensable element of our business and social life, and we carry out all our activities and investments in our Tosyalı Algérie facilities with this awareness.

Considering it our responsibility to help create a zero-carbon society, we adopt a green transformation-oriented way of doing business in technology, innovation, R&D and the use of energy resources.

Recognizing that we touch a large ecosystem extending from Algeria to various geographies around the world, we take responsibility for the transformation of our ecosystem through supply chain, water risks and management, circular production and social investments.

As a company that assumes important responsibilities in the development and progress of not only Algeria but also the region in which we are located, we invest in the future of our business with a focus on continuous development to bring a competent workforce to society.

Vision

As Tosyalı Algérie, to contribute to the formation of a sustainable life in the world with the integrated production of green steel in our facility based on technology, innovation, R&D and clean energy resources in Algeria.

Mission

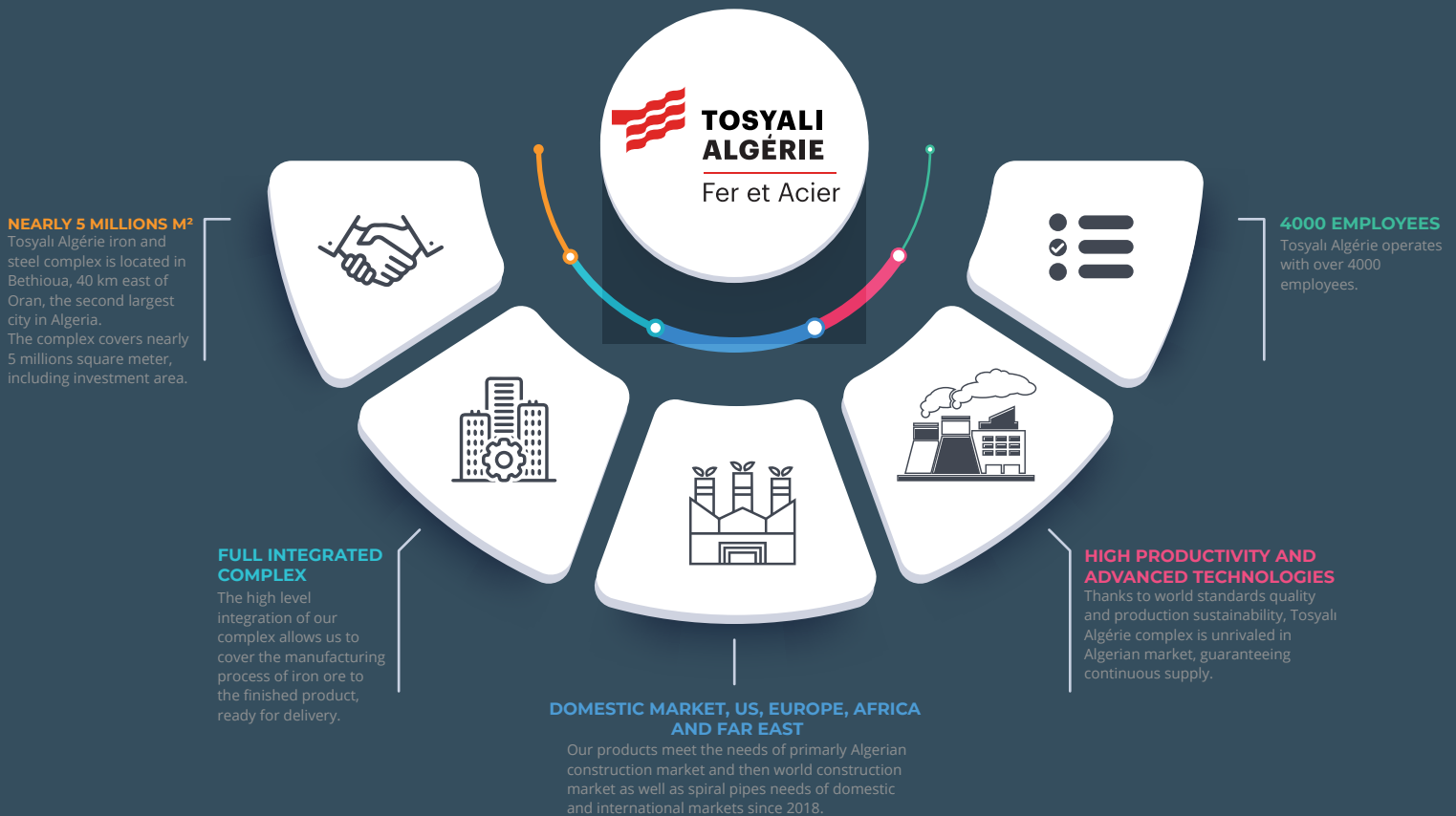
In line with our sustainability goals as one of the most important and strategic integrated iron and steel production centers in the Mediterranean and Africa, to provide the best examples to the world steel industry by producing qualified green steel products with our carbon, water and ecological footprint that is decreasing day by day.

GREEN STEEL

Tosyali Algérie has been listed among the facilities that produce environmentally friendly green steel in the world, thanks to its DRI production and highest technology used.

Tosyali Algérie has the world's largest DRI production facility with an annual capacity of 2.5 million tons and the world's largest arc furnace working with DRI that broke the world records for three years in a row by reaching production figures of 2.23 million tons in 2020, 2.28 million tons in 2021 and 2.2 million tons in 2022.

Tosyali Algérie, whose fourth stage investment is ongoing, will turn into an industrial facility with a capacity of 8 millions tons of liquid steel and will be able to produce long and flat products in many steel products segments when all stages are completed. In addition, Tosyali Algérie operates the largest port in the country, integrated with this facility, where even 200 thousand DWT vessels can dock. With this integrated business model, Tosyali Algérie stands as the best practice with its fully integrated business model in the world.



INTEGRATED PRODUCTION UNITS AT THE CUTTING EDGE OF TECHNOLOGY

PRODUCTION

ROLLING MILL N°1
ROLLING MILL N°2
ROLLING MILL N°3
WIRE ROD ROLLING MILL
SPIRAL PIPE FACTORY

INTERMEDIATE

BENEFICIATION UNIT
PELLETIZATION UNIT
DIRECT REDUCTION UNIT
MELTSHP N° 1
MELTSHP N° 2
LIME KILN UNIT

AUXILIARY

OXYGEN UNIT
SUBSTATION (400KV)
WATER TREATMENT UNIT
DEDUSTING UNIT

ONGOING INVESTMENT



TOSYALI ALGÉRIE Fer et Acier



INDUSTRY 4.0
INDUSTRY 4.0
QUALITY
QUALITY
INVESTMENT
INVESTMENT
PRODUCT RANGE
PRODUCT RANGE
INTEGRITY
INTEGRITY
MACHINE
MACHINE
ELECTRONICS
ELECTRONICS
AUTOMATION
AUTOMATION
HIGH TECHNOLOGY
HIGH TECHNOLOGY
DRI
DRI
IRON&STEEL
IRON&STEEL
SUSTAINABILITY
SUSTAINABILITY
GREEN STEEL
GREEN STEEL
DECARBONIZATION
DECARBONIZATION

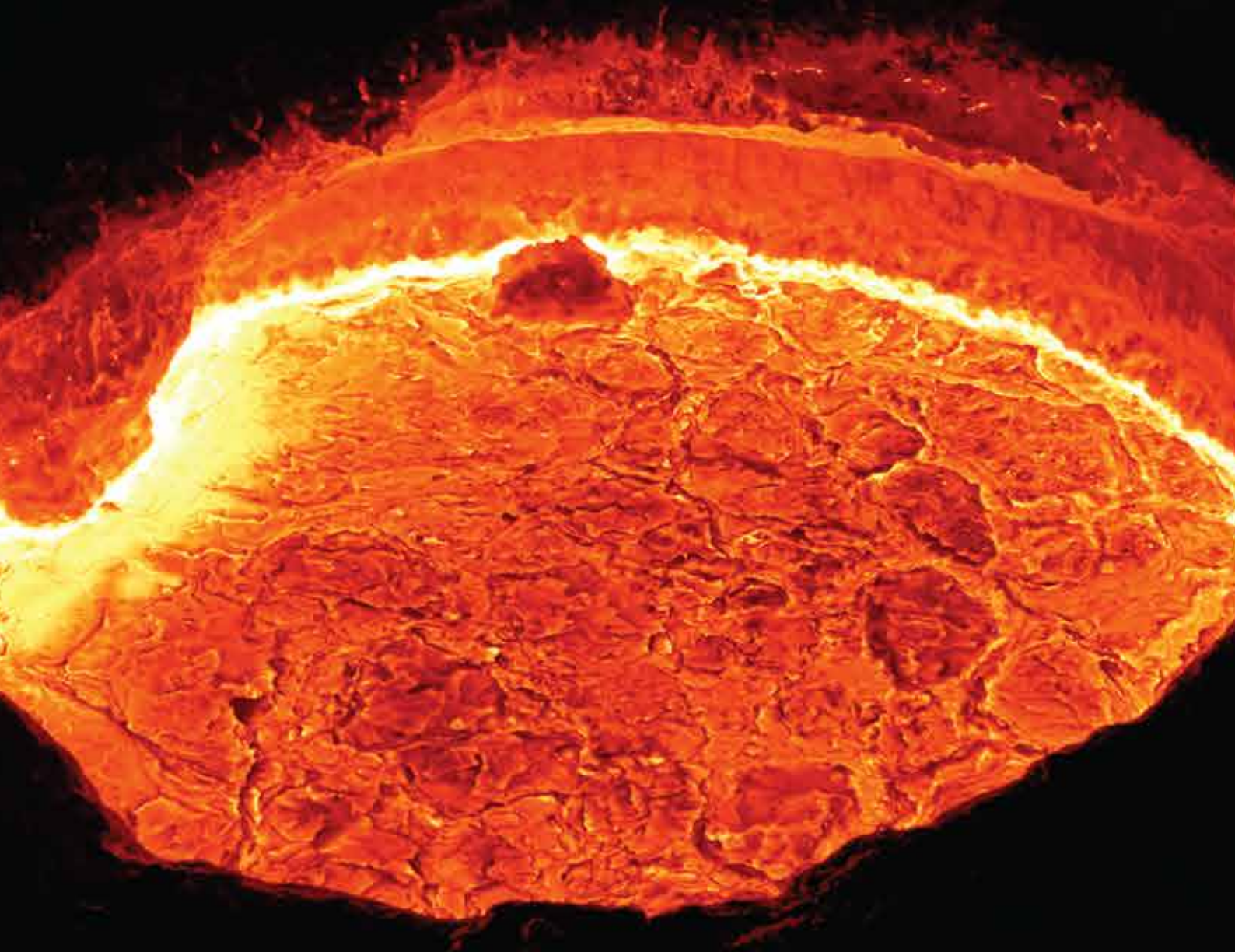


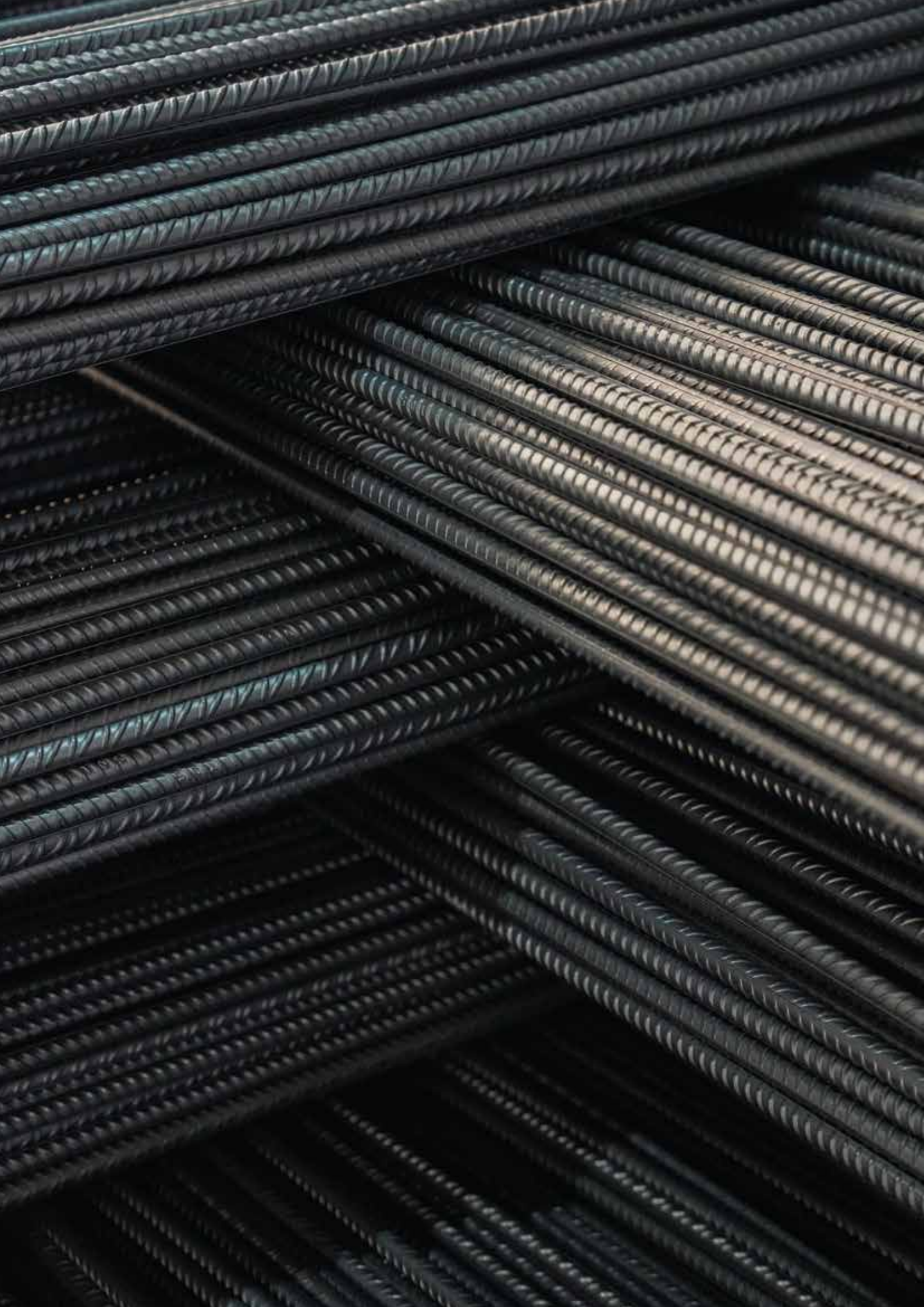
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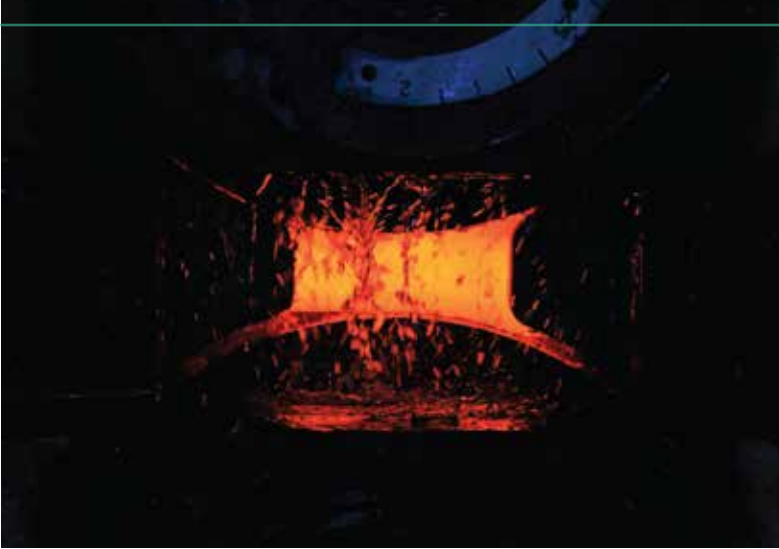
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Tosyali Algérie produces reinforcing steel bars, wire rods, billets and spiral pipes

for the construction sector, the transport of hydrocarbons, automotive industry, shipbuilding, public works ...







High production capacity, maximized efficiency and exemplary product quality are essential to our customers' satisfaction.

These qualities are obtained by the conjunction between a high-performance complex and an optimized management of resources.

REINFORCING STEEL BARS

The reinforcing steel bars are used in construction sector to reinforce concrete structures. The ribs ensure perfect adhesion with the concrete. They are also used for making chain links and welded meshes. The diameters of reinforcing steel bars range from 8 to 32 mm.

WIRE RODS

The wire rod, smooth, flexible or rigid, is used for the production of drawn wire, welding wire, grids, screws, nails, bolts, springs... Packaged in the form of two-ton coils, the diameters of the wires vary from 5.5 mm to 16 mm.

SPIRAL PIPES

The spiral welded steel pipe is used for hydrocarbon routing and construction. We offer a wide range of pipes from 16" to 120" diameter. Our units, which have the latest technologies for all types of internal and external coating, comply with API standards.

REINFORCING STEEL BARS

THE REINFORCING STEEL BARS ARE USED IN CONSTRUCTION SECTOR TO REINFORCE CONCRETE STRUCTURES. THE RIBS ENSURE PERFECT ADHESION WITH THE CONCRETE. THEY ARE ALSO USED FOR MAKING CHAIN LINKS AND WELDED MESHES. THE SIZE OF REINFORCING STEEL BARS RANGE FROM 8 TO 32 MM FOR A LENGTH FROM 6 M TO 18 M.



DIAMETER

Our rebars are produced in various diameters from 8 mm to 32 mm and in lengths of 6 to 18 meters.



QUALITY

We offer various grades of reinforcing steel bars such as RB500W (min 500N/mm² of resistance).



CERTIFICATE

A Mill test certificate is issued to each customer, for every order, indicating all proportions of material.



LABELING

A durable label is attached to each bundle with all product informations, quality standards, dimensions and heat number.



MARKING

A specific "TOS" marking is visible on our products. Guarantee of quality and know-how, you are sure to have bought the right product.



CONDITIONING

The rebars are packaged in bundles of 2 tons, tied by 7 mm wires at 5 points to ensure best handling.

High Resistance and High Ductility

Seismic Resistance

Good Weldability

Coils Available

Fast electro-magnets loading without damaging the product

CHEMICAL COMPOSITION

	Carbon % max	Manganese % max	Silicon % max	Phosphorus % max	Sulphur % max	Copper % max	Nitrogen % max	Vanadium % max	Carbon Equivalent % max
RB500W B500BWR B500B B500C BE500S K500B/C-T	0.22	1.50	0.35	0.050	0.050	0.50	0.012	0.010	0.50
GR 60	0.50	1.50	0.50	0.050	0.050	0.50	0.012	0.035	-
GR 40	0.30	1.20	0.50	0.050	0.050	0.50	0.012	0.010	-
GR 75	0.50	1.40	0.50	0.050	0.050	0.50	0.012	0.070	-



REINFORCING BARS IN COILS

REINFORCING BARS IN COILS (OR REBAR IN COILS) IS A NEW CONCEPT OF REINFORCING BARS THAT CAN PROVIDE MANY ADVANTAGES SUCH AS THE REDUCTION OF LABOR COSTS, PROCESSING LOSSES AND THE AMOUNT OF STEEL USE, REDUCTION OF SPACE REQUIREMENT DURING TRANSPORT AND STORAGE.



DIAMETER

Our rebars in coils are produced in various diameters from 8 mm to 16 mm.



QUALITY

We offer various grades of reinforcing steel bars such as RB 500 (min 500N/mm² of resistance).



CERTIFICATE

A Mill test certificate is issued to each customer, for every order, indicating all proportions of material.



LABELING

A durable label is attached to each coil with all product informations, quality standards, dimensions and heat number.



MARKING

A specific "TOS" marking is visible on our products. Guarantee of quality and know-how, you are sure to have bought the right product.



CONDITIONING

The rebars in coils are packaged in coils of 2 tons, tied by 7 mm wires at 4 points to ensure best handling.

High Resistance and High Ductility

Seismic Resistance

Good Weldability

CHEMICAL COMPOSITION

	Carbon % max	Manganese % max	Silicon % max	Phosphorus % max	Sulphur % max	Copper % max	Nitrogen % max	Vanadium % max	Carbon Equivalent % max
RB500W B500BWR B500B B500C	0.22	1.50	0.35	0.050	0.050	0.50	0.012	0.010	0.50
GR 60	0.50	1.50	0.50	0.050	0.050	0.50	0.012	0.010	-
GR 40	0.30	1.20	0.50	0.050	0.050	0.50	0.012	0.010	-

A large industrial warehouse filled with stacks of wire rod coils. The coils are arranged in rows, and the background shows the complex steel structure of the building's roof and support beams. The lighting is bright, highlighting the metallic texture of the wire rods.

WIRE RODS

WIRE ROD IS OBTAINED BY HOT ROLLING OF BILLET. IT IS A SEMI FINISHED PRODUCT USED FOR MAKING WELDED WIRE AND A VERY WIDE VARIETY OF PRODUCTS SUCH AS BOLTS, GRIDS, CHAINS AND SCREWS... IN THE FORM OF COILS OF 2 TO 2.5 TONS, THE WIRE ROD'S DIAMETER VARIES BETWEEN 5.5 TO 16 MM.



DIAMETER

Our wire rods are produced in varying diameters from 5.5 mm to 16 mm as coils of 2 to 2.5 tons.



QUALITY

We produce mainly SAE 1006, 1008, 1010, 1012, 1015, 1018



CERTIFICATE

A Mill test certificate is issued to each customer, for every order, indicating all proportions of material.



CONDITIONING

The wire rod is packaged in coils of 2 to 2.5 tons, tied with 7 mm wires at 4 points to ensure best handling.



LABELING

A durable label is attached to each coil with all product informations, quality standards, dimensions and heat number.

High production capacity (700,000 tons per year / 100 meters per second in max speed)

High Resistance and High Ductility

Seismic Resistance

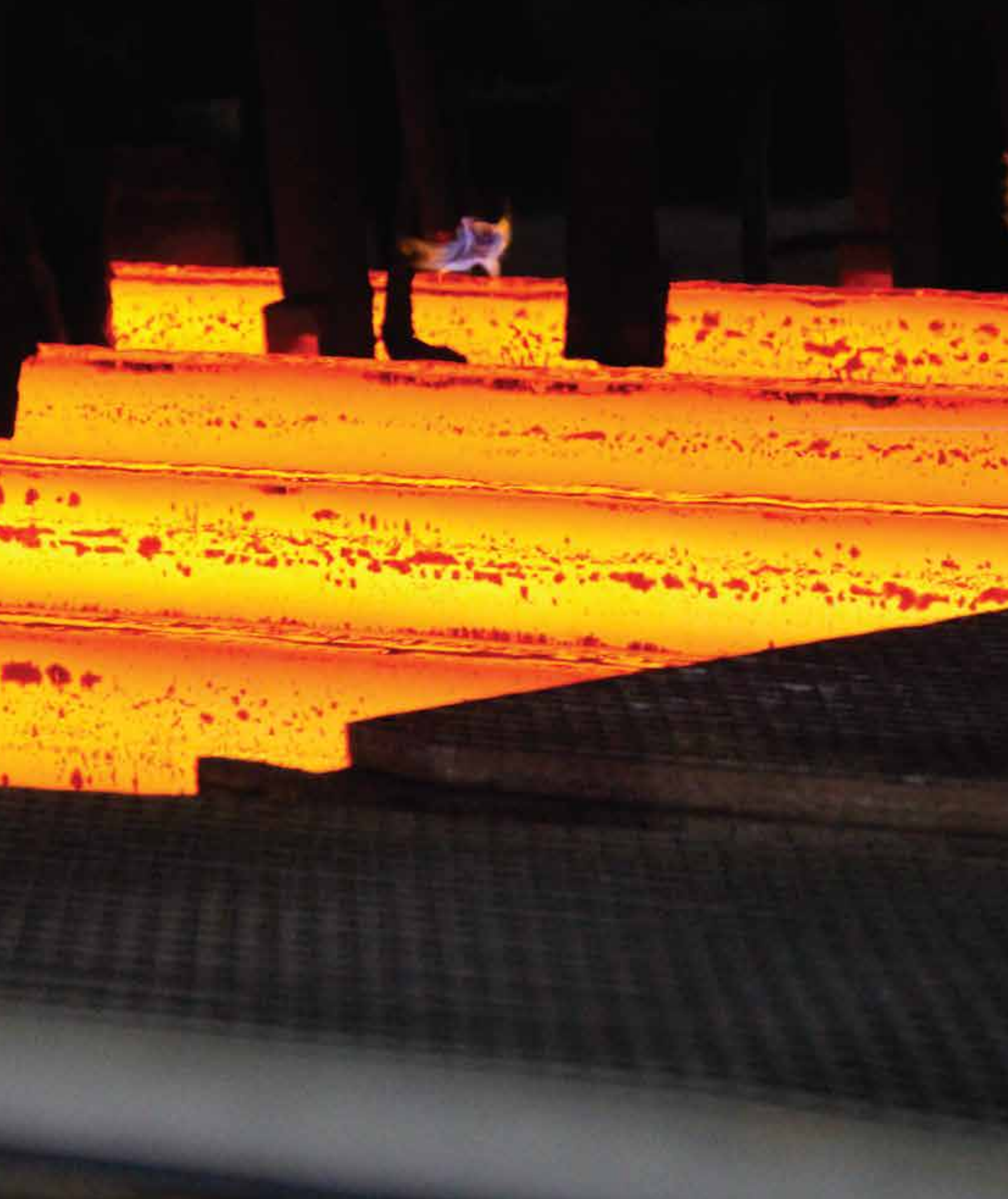
Good Weldability

CHEMICAL COMPOSITION

ASTM A 510M	Code on Tosyali Algérie label	% C		% Mn		% Si		% P	% S	% Ni	% Cr		% Cu	% Ni+Cr+Cu	% Pb+Sn+As+P+S
		Min	Max	Min	Max	Min	Max	Max	Max	Max	Min	Max	Max	Max	Max
SAE 1006	SAE 1006	0,03	0,08	0,30	0,45	-	0,30	0,030	0,040	-	-	-	-	-	-
SAE 1008	SAE 1008 TRF	0,05	0,10	0,30	0,50	-	0,30	0,030	0,040	0,25	0,25	0,30	-	-	
SAE 1008	SAE 1008 TRS	0,07	0,10	0,30	0,50	-	0,30	0,030	0,040	0,25	0,25	0,30	-	-	
SAE 1008	SAE 1008 E1	-	0,10	0,40	0,60	-	0,06	0,025	0,025	0,12	0,12	0,12	0,30	0,15	
SAE 1008	SAE 1008 E2	-	0,10	0,40	0,60	-	0,10	0,025	0,025	0,12	0,12	0,12	0,30	0,15	
SAE 1010	SAE 1010	0,08	0,13	0,30	0,60	-	0,30	0,030	0,040	-	-	-	-	-	
SAE 1012	SAE 1012	0,10	0,15	0,30	0,60	-	0,30	0,030	0,040	-	-	-	-	-	

BILLETS

BILLETS ARE USED IN THE PRODUCTION OF REINFORCING STEEL BARS, WIRE RODS AND REBARS IN COILS.



PRODUCTION RANGE

Dimensions: 150mm x 150mm / 160mm x 160mm / 180mm x 180mm

Length: From 6 meters to 12 meters

PRODUCTION STANDARDS and STEEL QUALITIES

Standards	Steel Qualities
NA ISO 6935-2 NA 8634	B500BWR, RB500W
BS 4449:2005	B500B
DIN 488	B500B
ASTM A615	GR 60, GR 75
ASTM A615	GR 40
ASTM A510	SAE 1006
ASTM A510	SAE 1008
ASTM A510	SAE 1010
ASTM A510	SAE 1012, 1015, 1018
NEN 6008, BRL 050	B500B
NBN A 24-301-304	BE500S
CS2 : 2012	GRADE 500B
SS 560: 2016	B500B
BDS 9252	B500C
ST 009	B500C
SFS 1300	B500B
SS 212540	K500B-T, K500C-T
NF A 35-080	B500B
DIN EN 10025	S235JR, J0, J2 S275JR, J0, J2 S355JR, J0, J2




Other qualities are also possible to produce.



SPIRAL PIPES

THE SPIRAL WELDED STEEL PIPES ARE PRODUCED BY SUBMERGED ARC WELDING OF HOT ROLLED COILS. SPIRAL WELDED STEEL PIPES ARE USED FOR THE TRANSPORT OF HYDROCARBONS, WATER PIPELINES, PILING PROJECTS AND CONSTRUCTION WORK PURPOSES. WE OFFER A WIDE RANGE OF PIPES FROM 16" TO 120" IN DIAMETER WITH INTERNAL LININGS AND EXTERNAL COATINGS.



DIAMETER

Pipes are produced in sizes ranging from **16 to 120 inches in diameter**.



THICKNESS

Thickness of our pipes ranges from **0.2 inches (5mm) to 1.02 inches (26mm)**.




PRODUCTION STANDARDS

Depending on the project, our steel pipes are manufactured according to **national and international manufacturing standards**.




TESTS

During each production phase, Tosyalı Algérie **tests, inspects and verifies the compliance of the products** to related standards and specifications.



COATING

Pipes are **coated with different materials** according to the customer's use and request.



MARKING

Our robotic online pipe tracking system marks exterior and interior of the pipe for **easy and reliable identification**.

COATING

Surface preparation (ISO 8501-1)
 3LPE (Three Layer Polyethylene Coating)
 3LPP (Three Layer Polypropylene Coating)
 EC (Epoxy Coating)

FBE (Fusion Bonded Epoxy)
 FCE (Flowcoat Epoxy)
 SFE (Solvent Free Epoxy)

Thickness	inch	0.2	0.22	0.25	0.28	0.31	0.35	0.39	0.43	0.47	0.49	0.55	0.63	0.69	0.79	0.87	0.94	1.00	1.02	
	mm	5.0	5.6	6.3	7.1	8.0	8.8	10.0	11.0	12.0	12.7	14.0	16.0	17.5	20.0	22.0	24.0	25.4	26.0	
Diameter		Weight Kg/m																		
inch	mm																			
16	406,4	49,5	55,3	62,2	69,9	78,6	86,3	97,8	107,3	116,7	123,3	135,5								
18	457	55,7	62,3	70,0	78,8	88,6	97,3	110,2	121,0	131,7	139,1	152,9								
20	508	62,0	69,4	77,9	87,7	98,6	108,3	122,8	134,8	146,8	155,1	170,5	170,5							
22	559	68,3	76,4	85,9	96,6	108,7	119,4	135,4	148,7	161,9	171,1	188,2	188,2							
24	610	74,6	83,5	93,8	105,6	118,8	130,5	148,0	162,5	177,0	187,1	205,8	205,8	233,7						
26	660	80,8	90,4	101,6	114,3	128,6	141,3	160,3	176,0	191,8	202,7	223,0	223,0	255,7						
28	711	87,0	97,4	109,5	123,2	138,7	152,4	172,9	189,9	206,8	218,7	240,6	240,6	227,3						
30	762	93,3	104,5	117,4	132,2	148,7	163,5	185,4	203,7	221,9	234,7	258,2	258,2	299,3						
32	813	99,6	111,5	125,3	141,1	158,8	174,5	198,0	217,6	237,0	250,6	275,8	275,8	321,3	366,0					
34	864	105,9	118,5	133,3	150,0	168,9	185,6	210,6	231,4	252,1	266,6	293,5	293,5	343,3	391,1	429,1				
36	914	112,1	125,4	141,0	158,8	178,7	196,4	222,9	244,9	266,9	282,3	310,7	354,3	365,3	416,3	456,8				
38	965	118,4	132,5	148,9	167,7	188,8	207,5	235,5	258,8	282,0	298,2	328,3	374,4	386,9	440,9	483,9	483,9	556,6	569,4	
40	1016		139,5	156,9	176,6	198,9	218,6	248,1	272,6	297,1	314,2	345,9	394,4	408,9	466,1	511,6	511,6	588,5	602,0	
42	1067		146,6	164,8	185,6	208,9	229,6	260,7	286,5	312,2	330,2	363,5	414,7	430,9	491,2	539,3	539,3	620,5	634,7	
44	1118		153,6	172,7	194,5	219,0	240,7	273,2	300,3	327,3	346,2	381,1	434,8	452,9	516,4	566,9	566,9	652,4	667,4	
46	1168		180,5	203,3	228,8	251,6	285,6	313,8	342,1	361,8	398,4	454,5	474,9	541,5	594,6	594,6	684,4	700,1		
48	1219		188,4	212,2	238,9	262,6	298,1	327,7	357,2	377,8	416,0	474,7	496,5	566,2	621,7	621,7	715,7	732,2		
52	1321			230,0	259,0	284,8	323,3	355,4	387,4	409,7	451,2	514,9	518,5	591,3	649,4	649,4	747,6	764,9		
54	1372			239,0	269,1	295,8	335,9	369,2	402,5	425,7	468,8	535,0	562,5	641,7	704,7	704,7	811,5	830,3		
56	1422			247,7	279,0	306,7	348,2	382,7	417,2	441,4	486,1	554,8	584,5	666,8	732,4	732,4	843,5	863,0		
60	1524					299,1	328,8	373,4	410,4	447,4	473,3	521,3	595,0	606,1	691,5	759,5	827,4	874,8	895,1	
64	1626						350,9	398,5	438,1	477,6	505,3	556,5	635,2	650,1	741,8	814,9	887,8	938,7	960,5	
66	1676						361,8	410,8	451,6	492,4	520,9	573,8	655,0	694,1	792,1	870,2	948,1	1002,6	1025,9	
68	1727						372,9	423,4	465,5	507,5	536,9	591,4	675,1	715,7	816,1	897,3	977,7	1033,9	1057,9	
72	1829						448,6	493,2	537,7	568,8	626,6	715,3	737,7	841,9	925,0	1007,9	1065,8	1090,6		
76	1930						473,5	520,5	567,6	600,5	661,5	755,2	781,8	641,7	704,7	704,7	811,5	830,3		
80	2032						498,6	546,2	597,8	632,4	696,7	795,4	825,3	641,7	704,7	704,7	811,5	830,3		
88	2235							608,3	657,8	696,0	766,8	875,5	869,4	992,3	1090,5	1188,4	1256,9	1286,2		
92	2337								686,0	727,9	802,0	915,8	957,0	1092,4	1200,6	1308,6	1384,0	1416,3		
96	2438									759,6	836,9	955,6	1001,0	1142,7	1255,9	1366,9	1447,9	1481,7		
100	2540										907,3	995,9	1044,4	1192,6	1310,7	1428,7	1511,2	1546,5		
104	2642											872,1	1036,1	1089,6	1242,9	1365,1	1489,1	1575,1	1611,9	
108	2743											94,2	1079,0	1132,6	1293,2	1421,4	1549,4	1638,9	1677,3	
112	2845												1116,2	1176,2	1343,0	1476,2	1609,2	1702,2	1742,0	
116	2946												1156,1	1220,2	1393,3	1531,5	1669,6	1765,1	1807,4	
120	3048												1196,3	1263,8	1443,1	1586,3	1729,4	1829,4	1872,2	
													1196,3	1307,8	1493,4	1641,7	1789,7	1893,2	1937,6	



A “fully integrated” complex is only possible with a perfect combination of organization, technology and know-how.

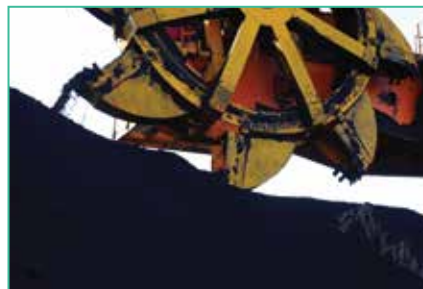
MINERAL DOCK and IRON ORE

The production process begins with receiving iron ore by ship to our port.

Iron ore is the most widely used material on Earth, with an ever-increasing demand since the Industrial Revolution. It is the basic raw material for Tosyalı Algérie. Our suppliers are among the largest in the world, that uses advanced technologies with minimal impact on the environment.

The iron ore used by Tosyalı Algérie is shipped from Brazil, Canada, Chile, and Mauritania to our port located in Arzew, which is only a few kilometers away from our facilities.

To optimize logistics and production, a conveyor belt transports the iron ore, which is unloaded from ships, to our 500,000 m² pelletizing area.



BENEFICIATION

The fine grinded ore is passed through low intensity magnetic separators which separates the gangue particles and high grade pellet feed which is suitable to produce DR grade pellets.

This advanced beneficiation process also adopts lime for thickening of the concentrate slurry before feeding to filtration process and tailings generated are properly treated by filtration to required level of moisture and sent to land fills or next using process.

This plant is also used to grind the internal ferrous waste generated during the processes of steel making such as fine oxide pellet particles from pellet plant and DR plant, DR sludge from DR unit, mill scale from rolling mill. These ferrous wastes after grinding are used in controlled way to blend in pelletization process.

Annual capacity of the iron ore beneficiation plant at Tosyali Algérie is 4.0 million tons.



BENEFICIATION TOSYALI ALGÉRIE

PELLETIZATION

The process of pelletizing iron ores to 8-18 mm pellets to feed the direct reduction unit is called pelletization.

Pellet manufacturing combines chemical, thermal, and mechanical processes to achieve the required homogeneous composition. The granulation is done in a humid environment in discs to ensure the cohesion of the material. The porosity of the pellets promotes chemical reactions in the direct reduction unit. Once the ore is compacted, the pellets are cooked using burners to enhance their cohesion and eliminate unwanted elements.

The pelletized iron is easier to handle and has a higher iron content than the raw ore.



DIRECT REDUCTION

The direct reduction unit produces high quality DRI to feed the arc furnace.

Tosyalı Algérie direct reduction unit is the largest hot / cold DRI production unit in the world.

Direct reduction is a set of processes that use reformed natural gas to transform the ore into iron without reaching the melting temperature. The principle is to expose the iron ore to the reducing action of the gas at high temperatures (around 1000°C) to reduce it. The reformed natural gas is composed of carbon monoxide and hydrogen.

Our partners in DRI reduction unit are Midrex and Paul Wurth, world leaders in direct reduction technology. The processing capacity of our facility is more than 300 tons per hour thanks to a continuous production system.

This unit offers Tosyalı Algérie production flexibility and greatly reduces its dependence on raw materials.



EAf MELTSHOP

Electric arc furnaces transform DRI into liquid steel and feed the continuous casting machine (CCM).

In the arc furnace, a high voltage is applied between three graphite-carbon electrodes and the metal is melted. This voltage creates an electric arc. The temperature generated by the arc exceeds 1.600°C.

This process has become indispensable due to its ability to produce high-quality steels and its versatility in using both scrap metal and reduced ore.

Tosyalı Algérie trusts Tenova for the installation of its EAF with decades of experience, Tenova shares its vision of innovation, reliability, and productivity with Tosyalı.



CONTINUOUS CASTING MACHINE (CCM)

The continuous casting machine solidifies the liquid steel in the form of billets for the production of final products such as reinforcing steel bars, wire rods and rebar in coils.

*The principle of continuous casting is to solidify the liquid steel continuously poured into a mold to make billets. These billets are then cut by automated torch cutting machines to a length of 12 meters or any other required length. The regular section of billets is 180*180 mm, 160*160 mm and 150*150 mm.*

The billets are then sent to the rolling stage while they are still hot to optimize efficiency and benefit from energy savings. Alternatively, they can be air-cooled before being stored or transported to other rolling mills.



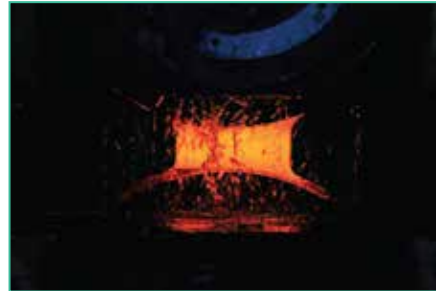
ROLLING MILL

The rolling mills convert billets into rebars and wire rods via horizontal and vertical rolling stands. Once cooled and packaged, the finished products are ready to be delivered to our customers.

Hot rolling makes it possible to obtain a circular section at the desired diameter of the products. The material is water-cooled throughout the rolling process to finalize the solidification of the steel. The rebar obtained is then ribbed and cut into bundles of 2 tons, while the wire rod is wound up in the form of coils of 2 tons as well.

The bundles of rebars and the coils of wire rod are labeled, mentioning the steel grade, heat number, and other necessary information in order to ensure traceability and easy identification by our customers.

Finished products are handled with great care via magnetic overhead cranes to prevent physical damage to the product.



TOSYALI ALGÉRIE MANAGEMENT SYSTEM CERTIFICATIONS

• MANAGEMENT SYSTEM CERTIFICATES

- ISO 9001:2015 QUALITY MANAGEMENT SYSTEM CERTIFICATE (BUREAU VERITAS)
- ISO 9001:2015 QUALITY MANAGEMENT SYSTEM CERTIFICATE (CARES UK)
- ISO 9001:2015 QUALITY MANAGEMENT SYSTEM CERTIFICATE (TÜV TURKEY)
- ISO 14001:2015 ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATE (BUREAU VERITAS)
- ISO 45001:2018 OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM CERTIFICATE (BUREAU VERITAS)

• TOSYALI ALGÉRIE SPIRAL PIPE MANAGEMENT SYSTEM CERTIFICATES

- ISO 9001:2015 QUALITY MANAGEMENT SYSTEM CERTIFICATE (TÜV TURKEY)
- ISO 14001:2015 ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATE (TÜV TURKEY)
- ISO 45001:2018 OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM CERTIFICATE (TÜV TURKEY)
- ISO 29001:2020 Petroleum, petrochemical and natural gas industries — Sector-specific quality management systems certificate
- API SPEC Q1 Specification for Quality Management System Requirements for Manufacturing Organizations for the Petroleum and Natural Gas Industry, Ninth Edition

• TOSYALI ALGÉRIE ONGOING MANAGEMENT SYSTEM CERTIFICATES

- SUSTAINABILITY AND BS 6001 FRAMEWORK FOR RESPONSIBLE SOURCING (CARES UK)



• **TOSYALI ALGÉRIE PRODUCT CERTIFICATES FOR REINFORCING STEEL BARS**

- BS 4449:2005 +A3 :2016 REINFORCING STEEL BARS (CARES UK)
- CS2 : 2012 REINFORCING STEEL BARS (CARES UK FOR HONG KONG)
- SS560:2016 REINFORCING STEEL BARS (CARES UK FOR SINGAPORE)
- NF A 35 080 :2020 REINFORCING STEEL BARS (AFCAB FOR FRANCE)
- DIN 488 :2009 REINFORCING STEEL BARS (KIWA FOR GERMANY)
- NEN 6008:2008, BRL 0501:2010 REINFORCING STEEL BARS (KIWA FOR NETHERLANDS)
- NBN A 24 301-304 REINFORCING STEEL BARS (OCAB FOR BELGIUM)
- SS 212540: 2014 REINFORCING STEEL BARS (GLOBECERT FOR SWEDEN)
- BDS 9252: 2007 REINFORCING STEEL BARS (BULGARKONTROLLA FOR BULGARIA)
- ST 009: 2012 REINFORCING STEEL BARS (ICECON FOR ROMANIA)
- SFS 1300:2020 REINFORCING STEEL BARS (GLOBECERT AB FOR FINLAND)
- LST EN 10080:REINFORCING STEEL BARS (KIWA FOR LITHUANIA)

SPIRAL PIPE PRODUCT CERTIFICATES

- API 5L
- EN ISO 3183:2012
- EN 10217-1/A1:2005
- EN 10219-1:2019
- EN 10224:2005
- AWWA C222
- EN ISO 21809-1:2018
- DIN 30670:2012
- AWWA C210-15
- NFA 49710:1988
- EN 10289:2002
- EN 10301:2003
- EN ISO 21809-2:2014
- NFA 49709:1992
- NFA 49711:1992
- EN ISO 3834-2
- EN 1090-1:2009+A1:2011
- EN 1090-1:2009+A1:2011- Welding Certificate
- PED_2014-68-EU
- AWWA C200-17
- DIN 30678:2013-09
- EN 10290:2002
- EN 10339:2007
- ASTM A252-10 (2018)
- AWWA C213-15



HRC

Hot Rolled Coil

HRC



HRPO

Hot Rolled Pickled Products

HRPO



CRC

Cold Rolled Product

CRC



GI

Galvanized Product

GI



PPGI

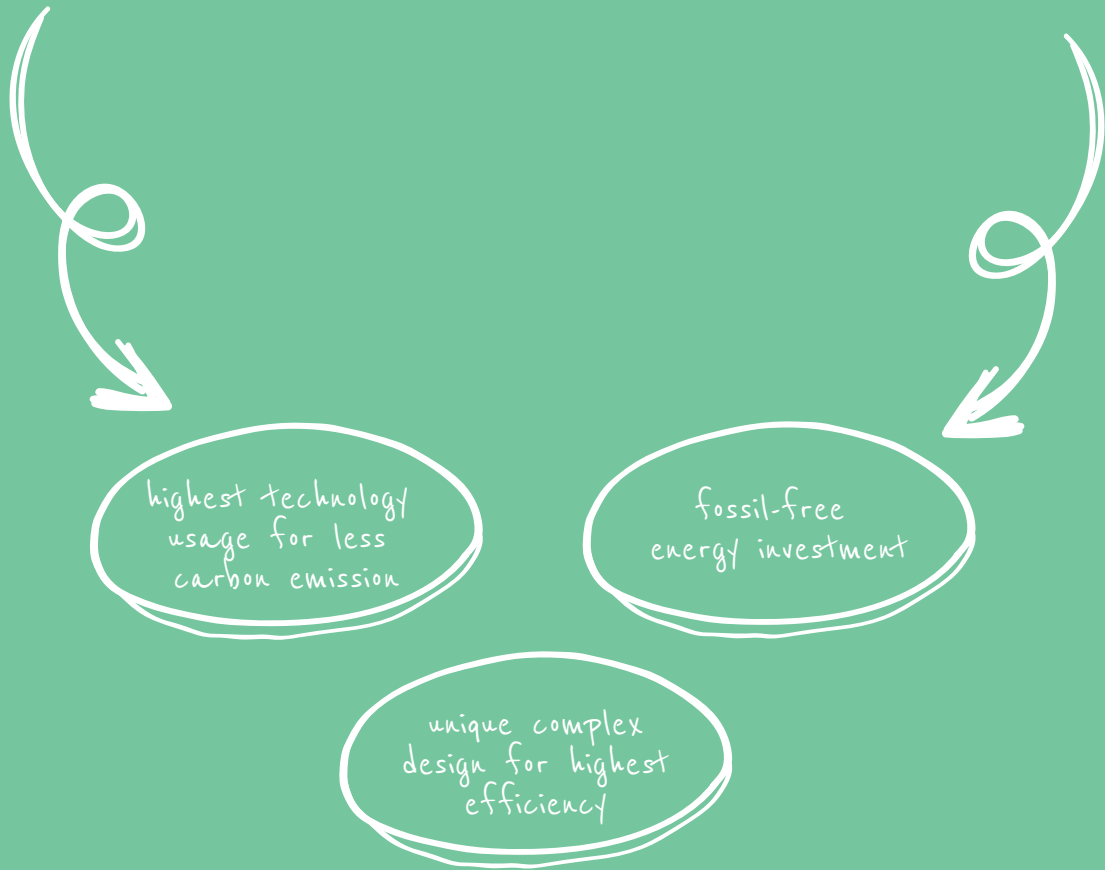
Pre-Painted Product

PPGI





Sustainability



The world's highest production DRI is in Tosyali Algérie

In Tosyali DRI EAF route
55.71% less carbon is emitted compared
to conventional BF-BOF routes

55.71%



less carbon emission

In other words;

- Equivalent to the impact if we planted **13 million trees**
- Equal to annual carbon emission of **559.565 automobiles**

One of the world's first DRI facilities running with hydrogen will be in Tosyali Algérie



Due to a new investment plan, a solar power plant with a capacity of 130MW will be commissioned in Tosyali Algérie

130MW



Solar Power Plant

Tosyali Algérie DRI facility is operating with less carbon emission than world's DRI Emission Average

4%



Hot Charging

Hot Charging in our DRI facility in Algeria gives us a reduction of up to 4% in the carbon emissions we produce

Tosyali Algérie is investing in fossil-free energy (hydrogen and solar)

Fossil-free investment

Fossil-Free Energy





**TOSYALI
ALGÉRIE**

Fer et Acier











TOSYALI ALGÉRIE Fer et Acier

Algeria Factory

Pôle Economique Plateau Gourirate
Commune de Bethioua
Wilaya d'Oran
Algérie



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