

Tosyali Algérie sets world production record for a single direct reduction module

Bethioua (Oran), ALGERIA, January 25, 2021 – Tosyali Algérie A.Ş. (Tosyali) utilizing MIDREX® Technology, in only its second full year of operation, produced more than 2.23 million tons of direct reduced iron (DRI) in 2020, which is a world record for a single direct reduction module. The 2.5 million tons per year (t/y) DRI plant began using hot DRI (HDRI) at the electric arc furnace (EAF) melt shop in February 2019. HDRI made up almost 72% of total production in 2020 (1.6 million tons), with average metallization of about 94% and carbon averaging around 2.2%. Iron ore pellets feeding the DRI plant were supplied predominately by Tosyali Algérie's own 4.0 million t/y pellet plant on site.

"We share in the perspective and objective of Algeria," Dr. Suhat Korkmaz, CEO of Tosyali Holding, said, "to create a low CO₂ steel industry using world class technology which is self-sufficient and generates employment, skills training, and export opportunities. With our half-a-century of steelmaking know-how and expertise, we are achieving outstanding results from our iron and steel complex."

"We congratulate the management and staff of Tosyali Algérie for their continued excellence in plant operation despite the unforeseen challenges posed by the global pandemic in 2020. Setting the DRI production record is a real testament to the skill and know-how of Tosyali in coordinating the start-up and operations of not only the world's largest DR plant but also the start-up of their adjacent pellet plant and steel mill," Stephen C. Montague, President & CEO of Midrex Technologies, Inc., said.

Algeria was a net importer of long steel products when Tosyali started production in 2013. The initial production capacity was 1.2 million t/y of reinforcing bar and represented 28% of demand at the time. A 500,000 t/y wire rod facility was added in 2015, which accounts for 60% of the national demand. In 2018, Tosyali added 2.2 million tons of liquid steel for the production of billets, two rolling mills, and a 4 million t/y pelletizing plant. In addition, the first DR plant to Algeria, a 2.5 million t/y MIDREX® Direct Reduction Plant, was supplied by Midrex Technologies, Inc. and its

consortium partner, Paul Wurth. Reinforcing bar exports began in 2018, with a target of increasing exports to 600,000 tons in the coming years following the opening of a new port and materials handling system. HDRI from the DRI plant is expected to help increase billet production and boost high-quality rebar output to more than 3 million t/y. Tosyali intends to add 2 million t/y of flat steel capacity in the future to meet Algeria's rising demand.



Tosyali Algérie MIDREX Plant

2020 at a glance

- Total annual production: 2,233,444 tons
- Total HDRI produced: 1,604,514 tons
- Total CDRI produced: 628,930 tons
- Average metallization: 94%
- Average Carbon: 2.2%

MIDREX



Photo: Tosyali Algérie Iron and Steel complex

About Tosyali Holding

Founded in Iskenderun, Turkey, in 1952, Tosyali Holding now has a total of 18 facilities on three continents in six different regions along with 12 affiliates. Tosyali Holding includes three production companies – Tosçelik Profil ve Sac Endüstrisi A.Ş., Tosyali Demir Çelik Sanayi A. Ş., and Tosçelik Granul San, A. Ş. – all of which are leaders in their sectors, and Tosyali Dış Ticaret A. Ş., which conducts foreign trade for the group.

For more information, visit <https://www.tosyaliholding.com.tr/en/>

About Tosyali Iron Steel Industry Algérie A.Ş.

The Tosyali Algérie Iron and Steel complex is located in industrial zone of Bethioua, 40 km east of Oran, the second largest city in Algeria. It has a close access to the Mediterranean Sea and covers 4 million square meters. It is one of the largest industrial complexes in Algeria and operates the most advanced technologies of the iron and steel sector.

Tosyali Algérie Products

- reinforcing bars
- wire rod
- rebar in coils
- spiral pipes

Tosyali Algérie Iron & Steel Complex

- Iron ore receiving dock – 4 million t/y
- Iron ore pelletizing plant – 4 million t/y
- Direct reduction plant – 2.5 million t/y
- EAF melt shop – 3.7 million t/y
- Continuous casting machine (billets) 2.3 million t/y
- Rolling mills (rebar and wire) – 4 million t/y

For more information, visit <https://www.tosyalialgerie.com/>

Midrex Technologies, Inc.

Midrex is the world leader for direct reduction ironmaking technology and aftermarket solutions for the steel industry. As the technology provider of the MIDREX® Process for 50-plus years, Midrex designs, builds and services Direct Reduced Iron (DRI) plants.

The MIDREX Process fits the need of steelmakers seeking a dependable and clean source of iron. Each year, MIDREX Plants produce more than 60% of the world's DRI in its three forms: cold DRI (CDRI), hot DRI (HDRI), and hot briquetted iron (HBI). The MIDREX Process is unsurpassed in the industry in terms of production and process flexibility.

The company's headquarters and research and technology development center are located in Charlotte, NC, USA. Midrex Technologies also has offices in the United Kingdom, China, India, and Dubai.

For more information, please visit www.midrex.com

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