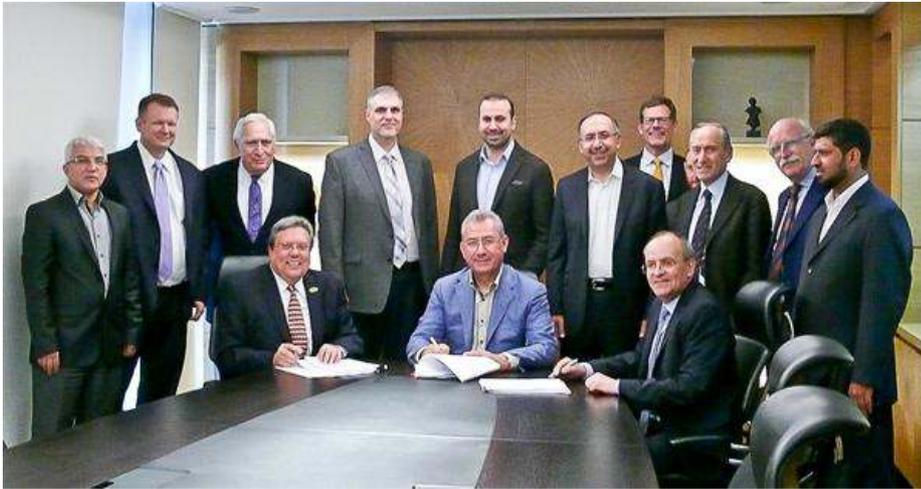


## Tosyali Holding Build's World's Largest DRI Combo Plant



Project Awarded to Midrex and Paul Wurth for 2.5 MTPY HDRI/CDRI Plant in Algeria

Tosyali Holding has awarded Midrex Technologies, Inc. and its partner Paul Wurth S.A. the project to build the world's largest multiple product direct reduced iron plant for Tosyali located in Bethioua (Oran), Algeria.

The new MIDREX NG Direct Reduction Plant Combo will be designed to produce 2.5 million tons of DRI and have the capability to vary its production to produce hot direct reduced iron (HDRI) and cold direct reduced iron (CDRI) simultaneously without stoppage of production. This new DRI plant will be the largest single DRI plant to produce multiple DRI products in combination.

HDRI will be fed via an Aumund hot transport conveyor to a new EAF meltshop located adjacent to the MIDREX® DRI Plant allowing for greater EAF productivity and energy savings; CDRI can also be produced for additional onsite use.

The new Tosyali Algeria MIDREX® DRI Combo Plant will provide the Tosyali Algeria steelmaking facility with greater production flexibility to produce high quality, low impurity steels as well as decrease their demand for imported scrap.

### Benefits of Hot Direct Reduced Iron

There are two main benefits of charging Hot DRI (HDRI) to the EAF: lower specific electricity consumption and increased productivity. The energy savings occur because less energy is required in the EAF to heat the DRI to melting temperature, resulting in a shorter overall melting cycle. Additional benefits of charging Hot DRI (HDRI) to the

EAF are:

- Less energy required to heat the DRI to melting temperature.
- Shorter overall melting cycle.
- Reduced electrode consumption.
- Reduced tap-to-tap time up to 20% compared to charging DRI at ambient temperature.
- Reduced electricity consumption about 20 kWh/t liquid steel for each 100° C increase in DRI charging temperature.
- Lower overall emissions due to lower electricity demand and reduced need for charge carbon.

The history of Tosyali Holding goes back to 1952. Iskenderun's first holding, Tosyali Holding, began a rapid period of growth in the 1980's. Tosyali Holding has 16 facilities throughout Turkey with 6 in the Osmaniye Organized Industry Zone (OIZ), one in Istanbul, one in Izmir, seven in the Iskenderun OIZ and one in the investment stage. Also the company has two facilities in the North African country of Algeria and one in Europe's Montenegro.

Tosyali Holding has a total of 18 facilities on three continents in six different regions along with 12 affiliates. Under the Tosyali Holding umbrella there are three production companies *Tosçelik Profil ve Sac Endüstrisi A.Ş.*, *Tosyali Demir Çelik Sanayi A.Ş.* and *Tosçelik Granül San. A.Ş.*, which are all leaders in their own sectors, and *Tosyali Dış Ticaret A.Ş.*, which conducts the foreign trade operations.

## Egypt Sinks as Ezz Steel Tumbles



Egypt's stock market fell in early trade as Ezz Steel dropped sharply, while Saudi Arabia's market barely moved. The Cairo index sank 1.2 percent to 8,357 points, heading for a test of major technical support on its May low of 8,261 points. Ezz slid 6.0 percent to a fresh 23-month low in heavy trade. It has lost 23 percent since it reported a net loss of 835.58 million Egyptian pounds (\$109.5 million) for 2014 in early June. A court denied Ahmed Ezz, the biggest shareholder in the company, the right to appeal a decision banning him from running in parliamentary elections. Such political events have affected Ezz shares in the past. Saudi Arabia's stock index was flat with activity focusing on second-tier speculative shares; Qassim agriculture jumped 7.5 percent. National Industrialisation (Tasnee) sank 1.0 percent. Saudi Ground Services Co, a unit of national carrier Saudi Arabian Airlines, surged its 10 percent daily limit to 55.0 riyals on listing. It raised 2.8 billion riyals (\$752 million) in a public offer of a 30 percent stake at 50 riyals per share.

## Saudi (PIF) Deals to Acquire Stake in POSCO

Saudi Arabia's Public Investment Fund (PIF) signed an agreement to acquire a 38 percent stake in builder POSCO Engineering & Construction Co Ltd for about 1.24 trillion won (\$1.11 billion), POSCO E&C's parent POSCO. POSCO will sell to PIF 10.8 million shares it holds in POSCO E&C, in addition to about 5.08 million shares POSCO E&C is newly issuing to PIF, POSCO said in a statement. South Korean steelmaker POSCO currently has a nearly 90 percent stake, or about 32.9 million shares, in POSCO E&C. The parent company had been seeking to offload assets and cope with the steel market downturn.