



Project	Start	Completion	Location	Client	Capacity	
POSCO Pohang Steelworks						
FINEX, Pohang Steelworks	Jan. 2004	Apr. 2007	Pohang Steelworks	POSCO	1,500,000 T/Y ( 4,110 T/D )	<p>FINEX process is a smelting-reduction technology based on direct use of fine iron ore and non-coking coal. In the FINEX process fine iron ore is preheated and reduced to fine DRI in a four stage fluidized bed reactor system with reduction gas produced from melter gasifier. The fine DRI is compacted and then charged in form of HCl (Hot Compacted Iron) into the melter gasifier to produce hot metal. The charged HCl is reduced to metallic iron and melted. The heat needed for the metallurgical reduction and melting is supplied by coal gasification with oxygen.</p> <p>FINEX process is an environmental friendly process that uses low-cost fine iron ore and coal. POSCO E&amp;C successfully supplied and constructed commercial facilities with an annual capacity of 1.5 million tons, the first in the world, and launched normal operation successfully of the facility in Dec., 2007.</p>
FINEX DEMO PLANT	Jan. 2001	May 2003		POSCO	600,000 T/Y ( 1,644T/D )	<p>FINEX Demo Plant is a process which produces hot metal 0.6 million tons per year based on direct use of fine iron ore and non-coking coal without sinter and coke plant.</p>