Steel Dynamics Inc.’s new state-of-the-art, electric arc furnace (EAF) flat-roll steel mill is being erected in Sinton, Texas, USA, to achieve steel grades previously out of reach to thin-slab casting technology, while sustaining low energy and a low carbon footprint. The mill is strategically located within the targeted southwest U.S. and Mexico market regions, bringing numerous competitive customer and raw material advantages. The facility is anticipated to have an annual production capacity of approximately 3 million tons.

The current estimated required investment is approximately US$1.9 billion, which does not include the benefit of anticipated state and local incentives. Steel Dynamics is proud to have formed a strategic partnership with the SMS group for the supply of the complete steel production line.
With a casting capability of up to 84 inches wide and up to a 5.5-inch cast thickness, it will be the world’s largest thin-slab facility. The steel mill will also have a unique rolling mill configuration, providing the capability to produce advanced high-strength steel grades, including some energy sector products not available in the U.S. today. The mill will have the capability to produce up to 52.5-ton coils, creating meaningful cost efficiencies for certain energy customers. The facility will include value-added finishing lines, including a galvanizing line with an annual capacity of 550,000 tons and a paint line with an annual coating capacity of 250,000 tons. The product offering is anticipated to include various flat-roll steel products, including hot roll, cold roll, galvanized, Galvalume® and painted steel, primarily serving the energy, automotive, construction and appliance sectors. These advances will further reduce the gap between existing EAF and integrated steel mill production capabilities.