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## New, future ready production network for non grain oriented electrical steel

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thyssenkrupp Steel Europe (tkSE) strives to sustainably strengthen its position in the global market through technology and quality leadership by optimally meeting the demand of its customers for low tolerances as well as thinner and wider products. Investments are made at tkSE along the entire production network especially for non grain oriented electrical steel (NO) in order to shape the future of the fast growing e-mobility market. It is our goal to therefore enhance the production network to produce premium e-mobility NO grades with greater efficiency.

In Duisburg, the continuous casting line 1 is replaced by the modern continuous casting line 3. The existing casting rolling plant will be split into the new continuous casting line 4 with a direct connection to the new hot strip mill 4 that can produce a strip thickness of 1.2 to 9.0 mm and widths up to 1.600 mm. One of the aims is to focus hot strip production on the Duisburg site. We are furthermore creating a competence center for e-mobility in Bochum. We built a double reversing cold mill which can produce NO material with a minimal strip thickness of 0.2 mm. An additional enhancement of the e-mobility competence is achieved by the construction of a new annealing and coating line. It is designed to process NO electrical steel with widths up to 1.350 mm and thicknesses of 0.20 to 1.00 mm. In the next step also a finishing line will be installed in Bochum.

With this investments thyssenkrupp Steel Europe is focused on future customer requirements for highly siliconized, thin NO electrical steel grades that are used in the field of e-mobility. The new facilities will result in various benefits, particularly for our customers thanks to higher product quality, production reliability and expanded capacities for demanding e-mobility grades.

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