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Heavy plate applications ensure energy transition – Modern plant concepts for forward looking plate production

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Wind power applications are the major enabler for the energy transition. The production of towers and foundations for offshore wind turbines requires the use of heavy plates, characterized by unique metallurgical properties and specific dimensions. Given the strict safety standards and the demand for high performance under extreme conditions, these heavy plates require high toughness and high resistance to crack growth. Manufacturing such plates involves advanced plant concepts, leveraging extensive product expertise, cutting-edge technology, and accurate process control. Heavy-plate mills and slab casters from SMS group are capable of producing the thickest dimensions with the required properties. This paper will discuss the market development and the market requirements and will introduce SMS group's innovative solutions designed to enhance the efficiency of manufacturing these demanding products.

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