

## **STEC-Roll® from SMS Siemag significantly optimizes the casting process at SSAB Iowa, USA**

For its continuous slab caster in Montpelier, SSAB Iowa, USA ordered twelve STEC roll lines from SMS Siemag, Germany, ([www.sms-siemag.com](http://www.sms-siemag.com)) for use in the casting bow. The STEC-Roll® optimizes the casting process and sets new standards for cost-efficient maintenance.

The main reason for SSAB to choose the STEC-Roll® was the fact that the roll inside cooling with revolver bores enables a versatile secondary cooling concept for the casting of elaborate steel grades.

In the existing continuous slab caster, the STEC-Roll® will replace two driven and ten non-driven rolls in one segment. Here, the

STEC-Roll® will replace rolls with maintenance-prone split bearings.

Nevertheless, adaptation of the segment frame is not required.

In addition, the STEC-Roll® receives customized deposit welding in the service workshop at SMS Millcraft LLC, USA, thus extending the service lives of the STEC rolls even more.

The continuous caster was supplied by SMS Siemag in 1996.

In several plants in the USA, SSAB produces heavy steel plates for advanced end products, such as offshore installations.

– 2 –

### **S\_T\_E\_C\_-R\_o\_l\_l\_®**

The STEC-Roll® optimally supports the strand thanks to its minimal bearing window width.

All roll bodies are mechanically interlinked, also for narrow slab formats. SMS Siemag has developed various cooling concepts for the STEC-Roll®.

The STEC-Roll® is easy to maintain and enables the dismantling of a roll line in less than 60 minutes and installation in less than two hours. Special tools such as used in other systems are not required for the STEC-Roll®. In combination with the ability of the rolls to be re-used several times, this helps to significantly reduce the maintenance costs.

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STEC-Roll® with revolver bores. SMS Siemag AG is a company of the SMS group which, under the roof of the SMS Holding GmbH, consists of a group of global players in machinery and plant construction in steel and nonferrous metals processing. Its workforce of more than 13,500 employees generates sales worldwide totaling EUR 3.3 billion.