



Case study SSAB

SSAB. Making certainty standard.

Can we get
consistent
performance?

Absolutely.



The client

A major steel producer, SSAB is a leader in its niche specialty, high-strength steel. With production in Sweden and the USA, as well as finishing operations in China, the company has 9000 employees in 45 countries. SSAB's blast and electric furnaces consume huge amounts of power – and make extreme demands on power generating performance and reliability. To make sure its generators keep generating, SSAB insists that its motor control equipment is SEMI-F47 certified. ABB is one of few suppliers able to satisfy the stringent requirements for this standard.

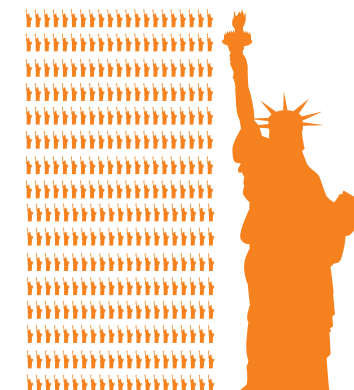
The challenge

The intermittent failure of conventional contactors, when voltage sags caused them to weld together, was resulting in unplanned downtime, lost production and costly replacements. Health and safety was an issue too. Processing molten ore at around 1300°C makes any stoppage a potentially dangerous situation. SSAB had to find a solution that offered consistent and flexible performance, even in such extreme conditions.



3 400
000
tons

The amount of crued steel produced by SSAB in 2010. That is equal to the weight of 336 Statue of Libertys.



Voltage sags arising from instability in the power network were causing conventional contactors to weld.

The ABB solution

SSAB needed to secure a consistent and stable power supply, without unnecessary recourse to UPS (Uninterruptible Power Supply) or battery backup systems. Voltage sags arising from instability in the power network were causing conventional contactors to weld. SSAB turned to ABB, who proposed a solution compliant with the SEMI-F47 voltage-sag immunity standard with electronically-controlled advanced technology AF contactors.

To maintain power, you need Control.

Contact us

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