

GENIE BOOM LIFTS PERFORM IN EXTREME MINING CONDITIONS

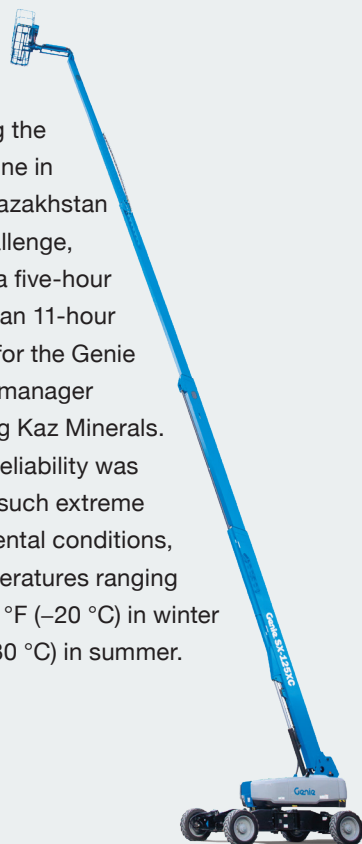
Kaz Minerals was undertaking a \$1.2 billion (€1.08 billion) expansion project to double the capacity at an open-pit mine in Aktogay, Kazakhstan. It was an intensive, three-year project that included steel construction assembly — all performed in a challenging, extremely remote environment.



CHALLENGE

The project's scope was notable, involving aerial work with high-capacity machines for heavy tools and materials.

Accessing the remote mine in eastern Kazakhstan was a challenge, requiring a five-hour flight and an 11-hour train ride for the Genie technical manager supporting Kaz Minerals. Machine reliability was crucial in such extreme environmental conditions, with temperatures ranging from -4.0°F (-20°C) in winter to 86°F (30°C) in summer.



SOLUTION

Kaz Minerals turned to Genie for an equipment solution adapted to steel construction assembly work and performed in conjunction with Terex® cranes. The dealer, Korund Group of Companies, supplied 18 Genie machines. That included 12 Genie® Xtra Capacity™ (XC™) boom lifts:

- 111 ft / 34 m Genie SX-105 XC units
- 131 ft / 40.1 m Genie SX-125 XC units

Engineered for increased productivity in heavy lifting applications, the Genie XC booms combine a 5 ft / 1.52 m robust articulating jib with a 660 lb / 300 kg dual unrestricted lift capacity and 1,000 lb / 454 kg restricted — one-third more than the industry standard.

Optional cold-weather features added to the machines helped with the rugged ground conditions and to keep critical components warm, allowing the crew to work no matter how low the temperatures got.

RESULTS

Sergey Bereza, the owner of Korund Group, said: “When you have around 20 large models of the same brand working on a project like Aktogay, the challenges involved make it easy to gauge their performance. We’re glad to say that, in the eight months they were

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Sergey Bereza

in operation, our Genie XC booms proved to be extremely robust and reliable, running virtually non-stop. On a job that involved working at height with heavy tools and materials,

we can definitely say that increased lift capacity was a big productivity benefit.”