

CASE STUDY

Alimak industrial elevator provides vertical access at the Oyu Tolgoi mine, Mongolia

The Oyu Tolgoi mine is a combined open pit and underground mining project located in the south Gobi Desert in Mongolia.

Renowned as the most significant financial undertaking in the history of Mongolia, the mine is expected to produce over 450,000 tonnes of copper every year. The mine shipped its first batch of copper in July 2013.

Alimak recently installed an SC 45/30 industrial elevator on a coarse ore storage building at the mine. The elevator boasts a 2,000kg capacity and a lifting height of 41m. The elevator car size measures 1.4 x 3.0 x 2.13m and with travel speeds of up to 36m per minute.

The Alimak elevator was first proposed to the mine for its reliability, durability, and enhanced safety features. Most importantly, the robust elevator met the project's needs to operate efficiently in the cold and dusty conditions that Mongolia is known for in the winter.

The most challenging aspect of this installation was to align the elevator installation and operation with the client's stringent safety and quality requirements, which are inherent in a project of this nature. Alimak offered project management and training throughout the project to ensure that safety standards were maintained at all project stages.

To provide safe and reliable access to the coarse ore storage building, the project required further upgrades and reinforcement to ensure the crew had safe access permanently.

Alimak is proud to have played a role in delivering the elevator solution for the coarse ore storage building at the Oyu Tolgoi mine, a project that marks a significant milestone in Mongolia's history.



ELEVATOR DETAILS

Location:	Khan Bogd, South Gobi, Mongolia
Industry type:	Mining
Application:	Coarse ore storage building
Elevator model:	Alimak SC 45/30
Elevator capacity:	2,000 kg
Elevator car size: (W x L x H)	1.4 x 3.0 x 2.13 m
Speed:	36 m/min
Lifting height:	41 m
No. of landings:	2

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