

**6 times faster than traditional methods.
Mazandaran Cement Co's first experience of
the Brokk method for kiln demolition was a
success.**

The Neka Cement Plant located in the Mazandaran province, 300 km north of Tehran belongs to Mazandaran Cement Co. The production capacity of the kiln line at the Neka plant is currently 2000 tons of clinker per day, an output that will be increased to no less than 7000 tons when the large expansion project now under way is in full operation in 2008.



The 70 metre kiln at Neka Cement has a diameter of 4.65 m. The plant calculates with three downtime periods a year for kiln maintenance, during which time valuable production is lost. To shorten the downtime periods is thus of major importance to the profitability of the plant.

Testimonies to the efficiency of the Brokk method for kiln repair and maintenance convinced the plant management that the investment in an electrically powered, remote-controlled Brokk 180 demolition robot was likely to speed up the kiln maintenance processes.

Brokk AB in Sweden supplied the machine which was commissioned at the end of 2004. According to Neka Cement Plant's Managing Director Mr. Zarkesh, the Brokk 180 was able to achieve impressive results at its very first demolition assignment:

Demolition of 20 m of coating and brick lining:

Kiln diameter:	4.65 m
Traditional method:	24 hours
Using Brokk:	4 hours
Downtime saved :	20 hours
Number of kiln downtimes:	3 per year
Annual downtime saved:	60 hours = 2,5 days
Daily production:	2000 tons
Increased production:	5000 tons/year

The second demolition occasion involved 50 m kiln debricking including 15 m of coating demolition and 15 m of concrete demolition (10 satellite inlets), all of which could be completed in only 12 hours.



From left to right: Brokk supervisor Mattias Lundmark together with Mr. Habibi, head of Operation Dept. of Neka Plant, and Mr. Sadrollahi, Operator of the Brokk machine.

Machine specification, Brokk 180:

Weight with breaker:	2100 kg
Height, min.:	1392 mm
Width, min:	800 mm
El. motor:	18,5 kW
Hitting power of breaker:	410 J.

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