

Using Brokk for kiln maintenance enabled Khuzestan cement to increase production



Khuzestan cement plant with an annual production of over 1,000,000 tons of clinker and belonging to Fars & Khuzestan Cement Company Group, Iran's largest cement producer, recently acquired an electrically powered, remote-controlled Brokk 180 demolition robot to speed up its kiln maintenance processes.

The Swedish made machine was supplied by Brokk AB through its Iranian representatives Pooyesh Paya Co. in Tehran and delivered in the spring of 2004. At the next planned kiln shutdown, Khuzestan Cement used the Brokk machine for the first time after taking delivery. Plant Manager Ghazanfarian reports that his staff, after on-site instructions and training by Brokk specialists, were able to achieve very satisfactory results already at their first kiln repair job.

Machine specification:

Weight with breaker:	2100 kg
Height, min.:	1342 mm
Width, min.:	800 mm
El. motor:	18,5 kW
Hitting power of breaker:	410 J

Details of the performance of the Brokk 180 at Khuzestan cement plant at its first job in a 4.5 diameter, 70 m kiln:

Demolition of 23 m of coating and brick lining:

Traditional method:	72 hours
Using Brokk:	10 hours
Downtime saved by using Brokk:	62 hours
Number of kiln downtimes:	2 per year
Annual downtime saved:	124 hours = 5 days
Daily production:	3000 tons
Increased production thanks to the use of Brokk:	15000 tons/year

Khuzestan Cement can expect to achieve even better results from the Brokk method of kiln repair once the operators have gained more experience from working with the machine.



The picture is illustrative only and does not show the kiln described above.

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