

Brokk Trio Debut in Hong Kong

Three Brokk remote controlled demolition robots of different models (Brokk 40, Brokk 90, Brokk 180) were recently supplied by Brokk distributor C Crossfield & Co to Modern Concrete Drill Cut Co Ltd in Hong Kong and put to work at important and prestigious projects.

Hong Kong Electric Co tunnel

The smallest machine in the Brokk range, the Brokk 40, was just cut out for a concrete demolition job inside Hong Kong Electric Co's new 3.1 km cable tunnel in Aberdeen. It was used to break reinforced concrete above the cable chamber to allow improved access for cable jointing. The contractor, China Harbour Engineering Co (CHEC) allowed six days to complete the demolition but the Brokk 40 was able to complete the task within just 3½ days. "It is an incredibly efficient machine" said CHEC site agent Henry Lok.



The restricted space in the tunnel (2.5 m high x 3 m wide), the pollution-free operation of the electro-hydraulic machine, and the good maneuverability were other factors that made the Brokk 40 just tailor-made for the project.

The Landmark renovation

Within days of delivery to Modern Concrete Drill Cut Co, the Brokk 90 was working at the Hong Kong Landmark Phase 3 shopping mall renovation.



Daytime crushing, Brokk 90 with concrete crusher.



Night time shift, Brokk 90 with hydraulic breaker

While traditional methods would only have enabled demolition after business hours because of nearby offices and parts of the retail shopping arcade still operating, the Brokk 90 with concrete crusher works silently and thus allowed the majority of demolition to be undertaken during daytime. The work could be completed much faster and at lower cost since the higher expenses for overnight works could be kept at a minimum.

The Brokk 90 with crusher and breaker worked around the clock in two shifts, thereby enabling the project to be finished well ahead of schedule.



During one phase of the project, the bigger and even more powerful Brokk 180 was brought in to assist the Brokk 90. Set to crush a 6 m high x 350 mm thick, heavily reinforced wall, the Brokk 180 demonstrated its impressive strength and productivity.