

Monster Brokk 800

Perfect solution for Hong Kong underground tunneling

Brokk 800, launched in 2011, was constructed with the intention of being used for effective tunneling. What could be more fitting for the company Modern Concrete Drill Cut Company Ltd when considering the tunneling project at the South Island Line (East) in Hong Kong? “We realized that the Brokk 800 would be the perfect machine for this job, and so far it has surpassed all our expectations”, says Mr O.K. Wong, president of Modern.

The company has longtime experience of Brokk machines and has a fleet of totally 19 machines in all sizes. As a contractor aiming for quality low-noise and high-capacity demolition these are a vital core of the business. When discussing the best way to carry out the new underground project in Hong Kong the Brokk 800 came out as a winner and with the contract in hand Modern felt confident in investing yet another machine.

New underground platforms

The very densely populated Hong Kong area calls for clever logistic solutions and the public transportation network is constantly being extended. The South Island Line (East) is a new medium capacity railway, totally 7 km long that will be almost completely underground. At the north end of the line the existing station Admiralty will be updated with two new underground platforms for convenient passenger interchange with other lines. This is where the Brokk 800 is operating in order to create a 30 m long shaft.

Effective method

The method chosen is a jumbo drill that drills holes into the bedrock. Then hand held splitters are used in order to break the material. Afterwards the Brokk 800 equipped with a breaker is used for excavation.

“Our intention was to clear out around 1.5 m daily but we soon realized that this fantastic machine has even better capacity”, says Mr O.K. Wong. “I couldn’t think of a better method for this task, combining the enormous capacity with all the normal Brokk advantages, such as electrically driven and remote control.”

“During this project the Brokk 800 is really put to the test and we are so pleased to receive this testimony from an esteemed and experienced customer,” says Martin Krupicka, MD at Brokk AB. “I am convinced that this machine will continue to triumph within the tunneling industry all over the world.”

Facts

Hong Kong

Part of China

7.5 million Inhabitants (Sweden’s second largest island Öland is about the same size and has around 25 000 inhabitants)



Facts Modern Concrete Drill Cut Company Ltd

Activities: Demolition services including blade saw cutting, wire saw cutting, bursting ,splitting, crushing, etc.

Profile: Strong emphasis on environmentally friendly methods with low noise level, vibration-free, etc.

Brokk fleet: 19 machines from smallest Brokk 40 to largest Brokk 800.

Offices: Shanghai, Hong Kong, Macau and Singapore.

No of employees: around 85

Website: www.modernok.hk

Facts Brokk 800 standard:

Weight: 11 050 kg

Attachment: Breaker Atlas Copco SB 1200 (1200 kg)

Width: 2200 mm

Height min: 2647 mm

Moto output kW: 45-67

Vertical reach: 10700 mm

Horizontal reach: 9400 mm

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