

BrokkNews

Giant urban demolition a challenge for Rivners “The Brokk machines performance vital for the project”



A gigantic and complex demolition in the heart of a buzzing capital is probably the greatest challenge a demolition company can face. The company Rivners is presently performing a very big project in Stockholm where their long-time experience tested to the extreme. Their comprehensive range of Brokk machines, including a new Brokk 100, is vital in order to complete the task according to the customer's high demands for a silent and eco-friendly demolition.

The buildings are found on Mäster Samuelsgatan in the very center of Stockholm. A total of three office buildings, which were renovated most recently during the 1980's, will be demolished. The customer is an American company that now is establishing a Swedish branch. “The project poses extremely high demands for recycling, demolition methods and logistics”, says Richard Steen, project manager at Rivners. There are a number of ongoing activities around the buildings that shouldn't be disturbed by noise or dust. In addition there is a vibration sensitive

substation, stretching through three levels, that supplies major parts of the city center. Furthermore there are seven bank vaults that will be demolished.

Investment in Brokk 100

Prior to the project Rivners thoroughly investigated their machinery and decided to use one Brokk machine of each Brokk 50, Brokk 150, Brokk 180 and two Brokk 330'. “We also decided to enhance our range with an investment in a new Brokk 100 that we use to tear down large prefab blocks that afterwards is hoisted down using a crane. In this case the weight on the system of joists is limited to 1000 kg and the Brokk 100, with its fantastic capacity/weight ratio, fits perfectly!

Concrete crusher minimizes noise

To minimize noise from the worksite, a Brokk 330 with the concrete crusher CC560 is used for cutting down concrete ceilings. The compact machine is very advantageous in these cramped spaces. The cut down blocks is then sorted and recycled.

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Difficult logistics

The logistics, including the transport of demolition masses, is a matter of its own. Totally no less than 24000 tons need to be transported from the site and there is a lot of planning needed in order to avoid Stockholm traffic's most hectic rush hours. Rivners also stresses the safety aspects: "As in all our projects safety for our personnel is the number one priority and especially in this case, with all its complicating factors, the Brokk machines' remote control is one of the major advantages."

New offices on site

The Mäster Samuelsgatan demolition, which started in April 2012, will be finished in

March 2013. Then a new high-class office building will be established on the site.

"So far everything has gone smoothly and according to plan and we are totally focused on keeping the timetable, not least because there will be a very high fine in case of delays," says Richard Steen. "The Brokk machines have been our "key players" for a long time, and they most certainly are in this project."

