

# Crushing efficiency goals

The latest innovations offered by MB Crusher's BF90.3 crusher bucket is helping the construction of Oryx International School in Doha progress at lightening speed.

**T**HE MB CRUSHER'S BF90.3 crusher bucket has been working day and night in one of the Qatari capital's largest sites at Barwa City, crushing more than 60,000 cu m of limestone. This is the second stage of the construction of Oryx International School, an Orbital Education Group school (British-style schools) for Qatar Airways (QA) employees' children.

## The Oryx International School project

The construction of Oryx International School in Doha is planned in two stages. The first stage (Oryx Minor) was completed in November 2016 when the first buildings were opened. Today, the school is operational.

The second project stage (Oryx Major) started in June 2017 and is planned for completion in May 2018. It involves the construction of 41,000 sq m of campus and a three-floor building with new classrooms, laboratories and gyms for over 2,000 students. It is an important project, involving large companies and a number of businesses, which will provide students with high-quality education in a safe and well-equipped environment.

### MB crusher bucket – On-site work

The BF90.3 crusher bucket was purchased by Boom General Contractors, a large Lebanese construction company that is following the project. BF90.3 is working to recycle thousands of cubic metres of inert waste materials from the excavations for the foundations and the underground car park.

Mounted on a Volvo EC240B excavator, the BF90.3 crushes the material with different sizes. To change the resulting soil

texture, thicknesses can be added into or removed from the MB crusher in just a few minutes. The crushed rock will be reused to fill on-site excavations and as subgrade for the roads within the school.

"We chose the MB crusher bucket because we can crush the material directly on site, without having to bring a large crushing station," points out Pier Matter, project manager at Boom General Contractors. "This saves us transport costs for other machinery, as the crusher bucket is carried together with the excavator. Once it is on site, it can be assembled very quickly, and we are ready to work in a few minutes. It is also easy to use. From the excavator cab, the operator picks up the material with the crusher bucket and crushes it on the spot."

"Time is a critical factor for us," continues Matter, "which means that having a machine like the MB crusher bucket on site is really helpful, also considering the amount of

material we need to process. The crusher bucket does not need special maintenance in addition to basic maintenance. It also requires very low amounts of water, which makes it easy to work with the other excavators we have on site."

### BF90.3 focus

It was the first crusher bucket to have ever been placed on the market, and today BF90.3 is in its fourth series. According to the company, the product has become even more productive, yielding up to 42 cu/m per hour depending on the processed material – while its size has been reduced, making it more compact. Series 4 can yield materials of different size – 15mm to 140mm. Like all MB Crusher products, it is fully manufactured in Italy and is Hardox-in-my-Body certified, indicating that it is manufactured with first class wear-resistant heavy-duty materials. ■



*The BF90.3 bucket in action in Qatar.  
(Photo: MB Crusher)*