



One of three plant trains, consisting of a jaw crusher, cone crusher and classifying screen from Kleemann, processing granite in the quarry.

IMAGE SOURCE: WIRTGEN GROUP

Three plant trains working deep in the jungle of Guyana

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- Three Kleemann PRO plant trains were transported to two quarries in the Bartica region of Guyana to process granite.
- Each plant train includes a MOBICAT MC 120 PRO mobile jaw crusher, a MOBICONE 110 PRO mobile cone crusher, and a MOBISCREEN MSC 953 EVO classifying screen.
- The machines process granite into various grain sizes for infrastructure expansion, with a continuous recirculation system ensuring high product quality.

- The intelligent linkage and Continuous Feed System (CFS) of the plant trains ensure efficient operation and minimal downtime.
- The BK Group has been using Kleemann plant trains for three years, aiming to produce two million tons of aggregates annually, and is satisfied with the product quality and low fuel consumption.
- Despite the challenging location, Kleemann and Wirtgen Group dealer Resansil provide reliable service and support.

The massive plants from **Kleemann** were transported along the Mazaruni River to two quarries in the deepest interior of Guyana. Here, three PRO plant trains from Kleemann process granite.

In a jungle region that is extremely difficult to reach by water or air, machines have to work particularly efficiently and reliably. Three plant trains were therefore brought step-by-step to the Bartica region in Guyana. The difficult accessibility of the work site and the hard, highly abrasive granite pose particular challenges.

Powerful machines for hard conditions

The three plant trains each consist of a powerful mobile jaw crusher MOBICAT MC 120 PRO, the mobile cone crusher MOBICONE 110 PRO and the classifying screen MOBISCREEN MSC 953 EVO. The plants process the rock into various grain sizes, which are primarily used for the expansion of infrastructure in Guyana.

The granite loaded onto the jaw crusher has a size of 0 to 600 mm. The downstream cone crusher breaks the material into shape and feeds it to the screening plant, which then outputs three classified final products: 0-8 mm, 8-12 mm, 12-19 mm. Larger grain sizes (19-45 mm) are fed back into the cone crusher via the oversize grain returning system. This continuous recirculation ensures that the raw material is fully utilised and that the product quality is very good.



The Kleemann plants arrived in the jungle of Guyana along the Mazaruni river.

IMAGE SOURCE: WIRTGEN GROUP

Efficient and intelligent work process for high product quality

One advantage of these plant trains is the intelligent linkage of the machines. Each machine works independently and, in the event of malfunctions or overfilling, sends signals to the upstream and downstream machines. This automatic control enables a trouble-free process. The Continuous Feed System (CFS) ensures that each machine is loaded in a manner that reduces wear and maximises the output. "The automatic control system ensures that all nine machines are evenly utilised. We basically have no unwanted machine downtime", reports Brian Tiwarie, Managing Director of the BK Group. "Furthermore, the quality of the final product is of decisive importance to us and the Kleemann plants allow use to achieve top quality."



Three classified final products are created with a single plant train.

IMAGE SOURCE: WIRTGEN GROUP

Experience and reliability impress

The BK Group decided three years ago to acquire the first plant train from Kleemann. Before making the decision, they spoke to other companies about their experiences and also visited the Kleemann plant in Göppingen. In the years that followed, further plant trains were installed with the aim of producing two million tons of aggregates per year.

The company is very satisfied with the product quality and low fuel consumption. "At this location, where everything really has to be transported by water in a time-consuming manner, high fuel requirements and the transportation of procured spare parts result in additional costs. With regard to these two aspects, we are very satisfied with the Kleemann plants", says the Managing Director. Kleemann and the regional Wirtgen

Group dealer Resansil provide support with reliable service despite the difficult accessibility.



Brian Tiwarie, Managing Director of the BK Group, is particularly satisfied with the high quality of the final product thanks to the Kleemann plants.

IMAGE SOURCE: WIRTGEN GROUP

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