Kleemann | Andesite processing in Indonesia

**A MOBICAT MC 120 PRO and a MOBISCREEN MSS 802 EVO are deployed for the individualised processing of natural rock**

**A plant train comprising of a mobile jaw crusher and a scalping screen from Kleemann processes material for the rehabilitation of the infrastructure at an Indonesian lignite mine.**

The major challenges in the extraction of the material are its scattered locations on the mining site and the frequent need for blasting. In view of this, the ability to easily and flexibly relocate the machines was a crucial factor in the considerations of the mine operator.

**A smooth and seamless process - focused on future needs**

The MOBICAT MC 120 PRO is used as a primary crusher, while the downstream MOBISCREEN MSS 802 EVO mobile scalping screen is employed for the screening of the crushed material. Initial results show that the mobile plants from Kleemann enable trouble-free processing of the andesite rock. At the same time, it soon became clear that the machines would have no problems at all with the special demands of processing of this volcanic rock.

Both machines are also equipped with technology that allows operation from an external electric power supply – a future-proof and sustainable option. The infrastructure for this will be realised in the near future. Until then, the operator will continue to benefit from the low fuel consumption of the two machines. ‘The option for operating the machines electrically takes us a big step forward on the way to the achievement of our sustainability goals. Nevertheless, the fuel consumption is very low when we run the machines on diesel’, emphasizes Aditya Maulana Bainal, sales engineer from mine operator PT Bukit Asam Tbk.

**Machine options assure efficiency and flexibility**

Many of the features of the jaw crusher make a positive contribution to an efficient workflow. The hopper extension, for instance, makes it possible to take on larger quantities of material and increases the hopper capacity from 10 to 13 cubic metres. The hopper walls can be folded out by remote control from the ground. The feed material is screened effectively by the independently vibrating double-deck prescreen. This enables fines to be removed via the side discharge conveyor before they reach the crushing chamber. The conveyor unit is also hydraulically foldable, and can remain on the machine during transportation. The rock chisel, a further equipment option for the jaw crusher, can break up larger boulders in the feed material at the machine before it is passed to the crusher. This enables easy removal of blockages caused by material bridging during the passage of material from the prescreen to the crusher. Another advantage is that the rock chisel can remain on the machine during transportation.

**Satisfaction with service and handling**

Aside from the performance and equipment options, which ensure an efficient and effective production process, a further decisive factor is the outstanding on-site service. A service technician from Kleemann spent two weeks at the site setting up the machines and training the local personnel in readiness for the start of production. This also included a series of theoretical training sessions, practical application training and trials.

**Photos:**



**Kleemann\_MC 120 PRO\_MSS 802\_Indonesia\_1**

A perfectly coordinated team: a line coupled plant train, comprising a MOBICAT MC 120 PRO and a MOBISCREEN MSS 802 EVO from Kleemann.



**Kleemann\_MC 120 PRO\_MSS 802\_Indonesia\_2**

A Kleemann plant train processing andesite.



**Kleemann\_MC 120 PRO\_MSS 802\_Indonesia\_3**

Practical on-site instruction and trials.

*Please note: the photographs shown here are only previews. If you wish to publish them in other media, please download the higher resolution (300 dpi) versions from the link provided here.*

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