

Bibko Umwelt- und Reinigungstechnik GmbH 71717 Beilstein, Germany

New residual concrete recycling system for Amos

The Amos Company, headquartered in Brackenheim near Heilbronn, can look back on 80 years of tradition. With a workforce of 160 employees, Amos's fields of activity include building construction, underground and road construction, project development and turnkey construction. Furthermore, the company has its own ready-mix concrete plant and supplies concrete in all grades. The vehicle fleet consists of three truck mixers and two concrete pumps.

In order to solve the problem of disposal of the residual concrete and the accumulating washing water, the decision was taken with the ecological conviction of a modern company to

invest in a residual concrete recycling plant. The delivery was preceded by a corresponding project planning phase in which the local conditions were considered.

The ComTec trough system was chosen in order to be able to process the accumulating residues quickly. The machine was placed underground on account of an existing height offset. The advantage of this is that the charging hopper is at floor level. This allows concrete pumps to be washed out in addition to the truck mixers on the same hopper without an additional system being required for washing out the concrete pumps. A 2 metre-long screw conveyor discharges the washed-out material.



The supplied ComTec 20 system has a recycling capacity of 20 m³/h.

The supplied ComTec 20 system has a recycling capacity of 20 m³/h. The system is fitted with a complete recycling water treatment plant. After filling the truck mixer with recycling water, the residual concrete is discharged via the charging hopper directly into the machine. Here, solids > 0.2 mm are washed out and removed appropriately. The water containing the fines < 0.2 mm flows via a water drain into an agitator tank. The agitator tank is equipped with an agitator. This keeps the fines in the residual water in motion by means of cyclic stirring and prevents settling. The water containing the fines is fed back to the mixing process. Furthermore, the machine is equipped with a sand and gravel separation system to ensure higher quality of the washed-out solids through the separation.

Through the installation of the Bibko recycling system, Amos has shown itself to be a modern company that takes its ecological responsibility seriously by resource conservation.

The Bibko ComTec system features the 1,600-times proven, patented bearing that was located outside of the water bath to prolong its service life. Furthermore, the machine was hot dip galvanized, is winterproof and fitted with a hinged aluminium cover. ■

FURTHER INFORMATION



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