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## CONVEYORS FAST-TRACKED FOR CBG'S BAUXITE EXPANSION PROJECT IN GUINEA

Following the success of Phase 1, TAKRAF was awarded an important conveyor system contract that was brought forward from the planned Phase 2 of CBG's bauxite expansion project.



An aerial view of the overall plant in Guinea with the wagon unloading station building from Phase 1 in the foreground.

In a fast-track EPC project, TAKRAF is supplying **two conveyors (C8 and C12)** for Compagnie des Bauxites de Guinée (CBG) bauxite expansion project in Guinea. This **conveyor system package** has been brought forward from the Phase 2 expansion project and TAKRAF's award follows the successful delivery of an EPC contract, awarded in late 2016, for Phase 1 of the expansion project.

The EPC order was received in March 2022, with one of the conveyors to be commissioned end of 2022 and commissioning of the second expected to follow shortly thereafter.

The scope of the contract covers engineering, design, supply, construction and commissioning, including civil works, to **replace two existing conveyors** to cater for the upcoming and planned Phase 2 expansion, which aims to **increase bauxite production capacity to 5,400 t/h**, as opposed to the Phase 1 capacity of 3,600 t/h.

**Both conveyors, with capacities of 7,000 t/h and 3,600 t/h** respectively, are being **supplied by TAKRAF as complete new installations** from head to tail end, complete with:

- New take-up towers and counterweights
- New Variable Frequency Drives (VFDs) located in new E-houses at 2 m elevation
- Interfaced control systems
- Dust suppression systems at loading points and head chutes

The EPC project for Phase 1 aimed to **increase bauxite exports from 13.5 mtpa to 18.5 mtpa** and included the **delivery of a greenfield wagon unloading and primary crushing station**, as well as a **secondary crushing station** and a **complex brownfield conveyor system within existing facilities**. Successful delivery and operation of the unloading station is particularly noteworthy as this structure is entirely constructed from steel (and not concrete as is usually the case). This presented a major challenge engineering wise, considering the high dynamic loads and forces resulting from the continual passage of trains that TAKRAF's specialized team of engineers had to overcome. For a more detailed overview of this project, click here: [TAKRAF material handling competence for CBG's bauxite expansion project in Guinea.](#)

*"The award of this important fast-track contract is indicative of CBG's recognition of TAKRAF's capabilities and of our experienced specialists that we can make available right across our project management, engineering and field services," says Norbert Neumann, TAKRAF Germany: Sales Manager. "Congratulations to the team on winning this project and to the team responsible for executing and managing Phase 1, the success of which undoubtedly contributed to the continued trust this supportive client places in us."*

For further information regarding TAKRAF's material handling solutions, please click here: <https://www.takraf.com/products-technologies/bulk-material-handling>, alternatively, please contact us on: [info@takraf.com](mailto:info@takraf.com).

**Innovation out of tradition – It pays to talk to a specialist!**

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