

TAKRAF awarded a contract for an In Pit Crushing & Conveying (IPCC) and material handling system by Rio Tinto in Guinea

Leipzig, 7 November 2023: In a notable achievement, TAKRAF Group is pleased to announce the signing of a major contract between Rio Tinto and TAKRAF concerning development of the Simandou iron ore complex in Guinea. The Simandou complex is one of the largest unexploited high-grade iron ore deposits in the world.

The contract entails the design, fabrication and delivery of an advanced and integrated IPCC and material handling system. Highlights include:

- Two primary IPCC systems incorporating two TAKRAF X-TREME class sizers to crush extracted ore received by truck
- A secondary In Pit Secondary Crushing & Conveying (IPSCC) system incorporating four TAKRAF sizers for further ore processing
- Two rail mounted stackers for ore stockpiling
- Two rail mounted reclaimers for ore reclaiming
- Two wagon loading stations with buffer silos
- A complex conveyor system with transfer stations for the above equipment, including a technically sophisticated long downhill conveyor between the secondary IPSCC system and the stockyard
- Electrical and control equipment and stockyard auxiliaries

In order to achieve the desired annual production rate the crushing system has been sized with a design capacity of up to 13,200 t/h. Importantly, all stockyard equipment have also been designed with scalability in mind, laying the foundation for future expansions.

Press Release

A separate contract for technical assistance for installation and commissioning of the system, as well as for assistance in longer-term maintenance and spare parts supply will also be concluded.

Thomas Jabs, TAKRAF Group: CEO, regarding the award of the contract:

“First and foremost, this is an important project for the country of Guinea and we are proud to play our part. Secondly, as steel producers adopt various initiatives to reduce their carbon emissions, the demand for lower-impurity and higher-grade iron ore - essential feedstock for steel production - is growing. Simandou’s premium quality ore will thus play an important role in the global energy transition. Lastly, I would like to thank Rio Tinto and all stakeholders for their trust in TAKRAF’s solution offering. We boast significant experience in IPCC systems and an esteemed history in delivering solutions that overcome some of the most complex engineering challenges. We are proud to have been selected as important partners to this project and look forward to our engineered solutions delivering upon their promise.”

[Download the picture here.](#)

For further information, visit: www.takraf.com or e-mail info@takraf.com

TAKRAF Group, through its established and well-known brands, **TAKRAF** and **DELKOR**, provides innovative technological solutions to the mining and associated industries. With experience acquired over more than a century, the Group is well positioned to provide equipment, systems and services that best satisfy its clients’ mining, comminution, material handling, liquid/solid separation and beneficiation requirements. Servicing owners and operators around the world, TAKRAF Group’s engineered solutions are customized to the unique project requirements and are aimed at lowering the total cost of ownership and reducing environmental impact by improving efficiency with safe and reliable equipment.

More information for editorial staff is available at: ABOPR

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Press Release

Image:

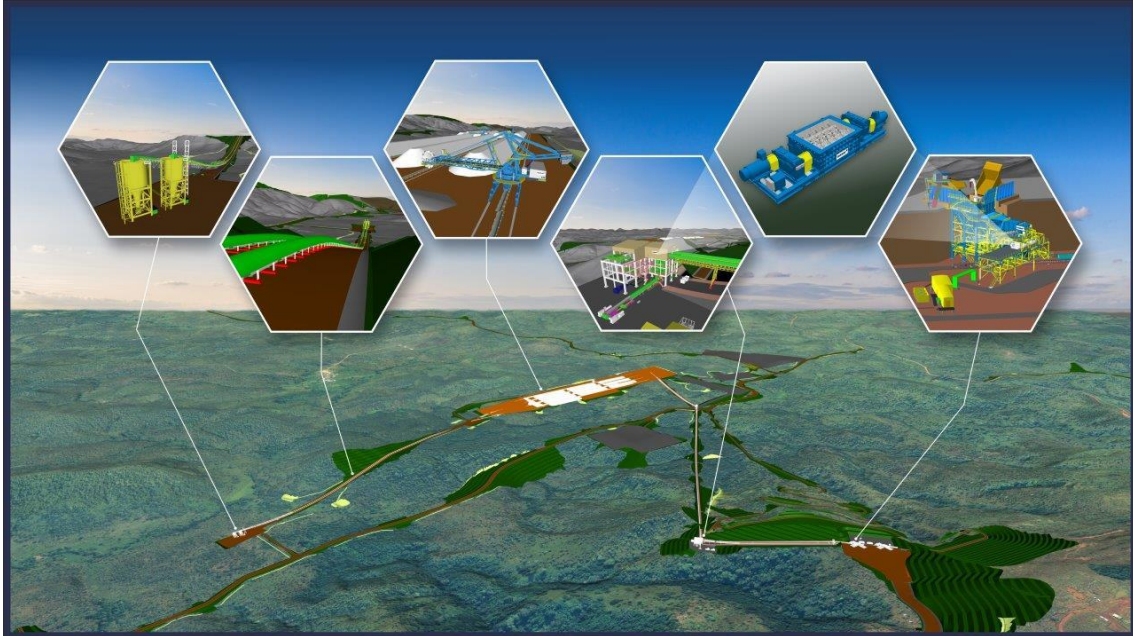


Image-ID: Simandou.jpg

Caption: An overall layout of the system at Simandou in Guinea. From right to left, two primary In Pit Crushing & Conveying (IPCC) systems incorporating TAKRAF X-TREME class sizers, a secondary In Pit Secondary Crushing & Conveying (IPSCC) system also incorporating TAKRAF sizers, a stockyard with two stackers and two reclaimers, a complex conveyor system with transfer stations linking all parts of the system and two wagon loading stations with buffer silos.

Source: TAKRAF

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