



Growing mill business
in Eastern Africa.

**Bakhresa, Dar es
Salaam, Tanzania.**

The Bakhresa Group has long trusted Bühler as their technology partner for their growing milling business in East Africa. Over the past quarter century, Bühler has supplied wheat milling plants at their locations in Tanzania, Rwanda, Malawi, Mozambique and South Africa, helping them to become one of the largest businesses in the region. The latest collaboration has led to the installation of a vast grain storage facility at the port in Dar es Salaam. It is lowering costs and improving supply management for the company.

Bakhresa is an African success story. Beginning in the mid-seventies as a small family-run restaurant in the port of Dar es Salaam, today it is a large, diversified conglomerate comprising companies across Eastern Africa and South Africa. Still a family-owned business Bakhresa's activities now cover the food and beverage sector, packaging, logistics, marine passenger services, petroleum and entertainment.

Bakhresa bought its first mill from Bühler in 1992 to supply the company's own cake bakery with flour. Impressed by the performance of that facility, Bakhresa has continued to rely on Bühler to build new milling plants ever since. With the latest milling technology to optimize productivity and achieve high end-product quality, the plants have enabled Bakhresa to grow its footprint of popular household brands. By providing a strong aftersales network in the region, innovative products and solutions, as well as training for operations staff, Bühler has continuously supported Bakhresa in its regional growth.

Demand for processed foods is increasing across Africa thanks to a rapidly growing and urbanizing population. In order to meet this demand, mills require a reliable grain supply chain. However, with

The customer at a glance

- Prominent family-owned business group in the region with more than 8,000 employees
- Household name in Tanzania, well known in Kenya, Uganda, Malawi, Mozambique, Rwanda, Burundi, South Africa and Zimbabwe
- Range of companies in food and beverage sector, packaging, logistics, marine passenger services, hospitality industry, petroleum and entertainment
- Turnover of more than 800 million USD



East Africa largely relying on imported wheat shipped in from abroad, high port and ship demurrage charges make a significant impact on the bottom line. Furthermore, the grain often has to be transported by road over long distances to storage facilities in landlocked countries. This leads to increased costs and loss of time, in the worst-case causing grain supply shortages that limit milling operations altogether.

Being such a critical point in the wheat supply chain, plant availability and reliability were key in Bakhresa's decision to choose Bühler as the technology supplier for its grain terminal.

To solve these logistical challenges, Bakhresa asked Bühler Grain Quality and Supply to install a high capacity grain terminal at the port city of Dar es Salaam, Tanzania. The huge storage facility means that Bakhresa is able to meet the growing demand for grain in East Africa. Flexible bulk and bag out loading ensures continuous and timely supply of raw materials to the Group's milling operations across the region.



Efficient project management

... is critical for the optimal implementation of a project and to guarantee the long-term success of the business. Defined project goals must be met within set budgets and timelines.

With experienced project teams in place, Bakhresa and Bühler worked in partnership to achieve ambitious targets. Design meetings were held in Dar es Salaam, Tanzania and Uzwil, Switzerland throughout the various stages of the project. As a result of these combined efforts, the plant was engineered, delivered, installed and commissioned in good time and to specification.

Bühler's expertise and the excellent collaboration have delivered tangible results. With its new grain terminal operating at the rated capacity, the Bakhresa Group is now able to run its operations faster and more efficiently. Grain can be delivered to processing facilities in a timely manner, reliably and in high quality.

Receiving grain in time and being able to reduce storage and inventory holding has resulted in savings for Bakhresa, such as handling costs. This improves the profitability of the Group's mills and, ultimately, helps ensure a sufficient supply of high-quality wheat products to the entire region.



For this facility we wanted to ensure ship discharge as per agreed contracts. It was important to identify a supplier who could guarantee the plant performance in terms of rated capacity. We are now able to receive grain in time and can reduce storage and inventory holding, reliably supplying flour to our markets.



Peter Muni, General Manager - New Projects, SSB





This was an important and strategic investment for the Bakhresa Group.

Bakhresa wanted a reliable total solution provider to undertake this project. Also owing to previous experience with its milling projects, Bakhresa trusted Bühler to execute this key project that would be vital to the successful operations of other subsidiary (sister) milling companies of the group.



Francis Mbaki, Area Sales Manager

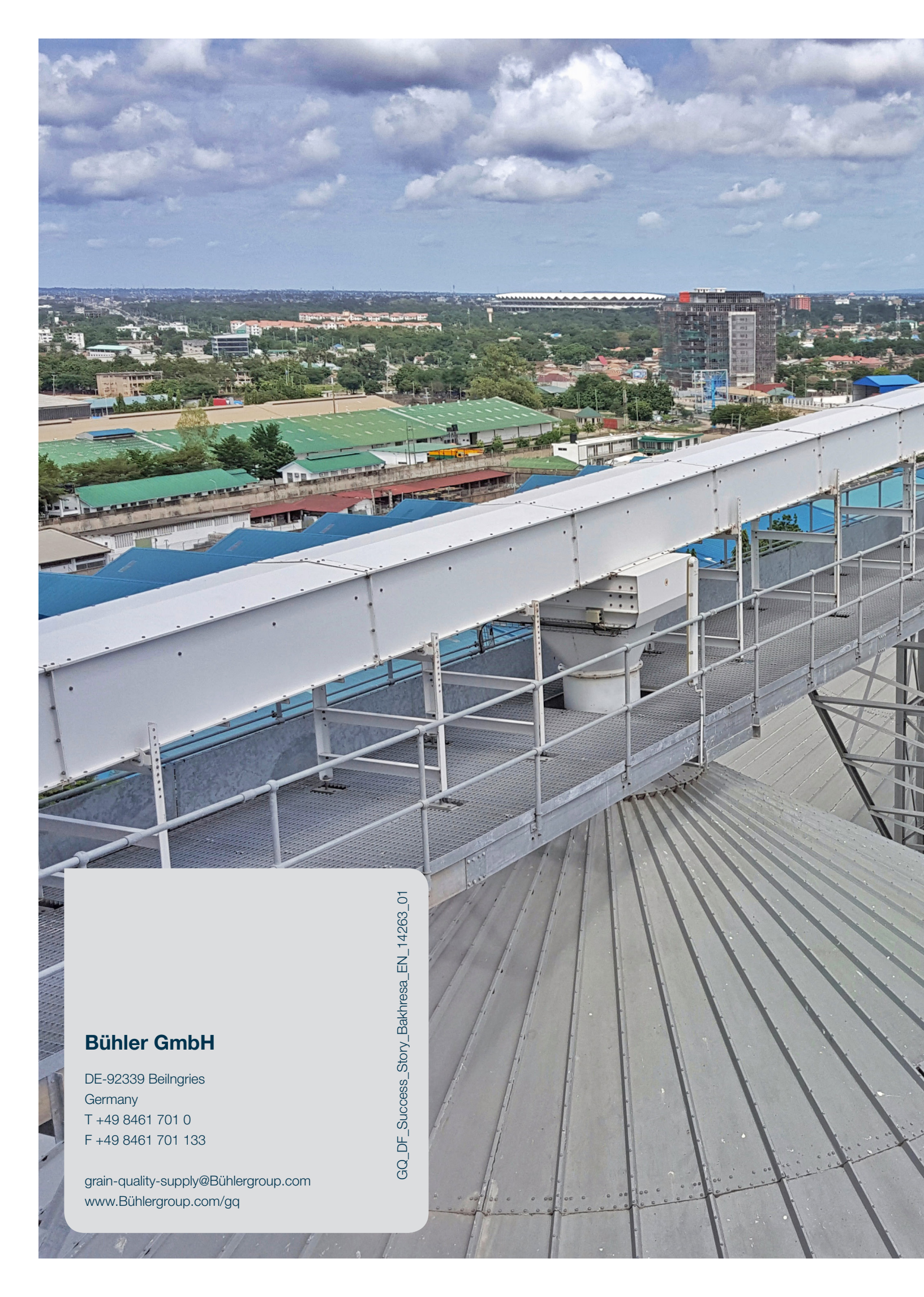
It is a huge capacity grain handling facility whose successful operation significantly contributes to food security in the region. From this one terminal, the Bakhresa group can supply all its milling operations in Tanzania, Rwanda and Burundi.

The project at a glance

Grain storage project data

	Type	Capacity/performance
Storage	5 steel silos	60,000 MT
Intake	4x Truck	1,200 t/h
Processing technology	2x Drum sieve RCDA 600 with drum magnet	1,200 t/h
Conveyor technology	4x Chain conveyor RFKG 1000 7x Chain conveyor RFKG 600 2x Elevator RGEL 1000x1900 2x Elevator RGEL 800x980	1,200 t/h 600 t/h 1,200 t/h 600 t/h
Dedusting technology	1x Round filter LCAA RA 110-3.5 1x Round filter LCAA RA 50-3.5 4x Hopper aspiration LCCB F20-2.5 (both sided)	706 m³/min 336 m³/min 220 m³/min
Loading	4x Truck	600 t/h
Automation system	WinCos	





Bühler GmbH

DE-92339 Beilngries
Germany
T +49 8461 701 0
F +49 8461 701 133

grain-quality-supply@Bühlergroup.com
www.Bühlergroup.com/gq

GQ_DF_Success_Story_Bakhresa_EN_14263_01