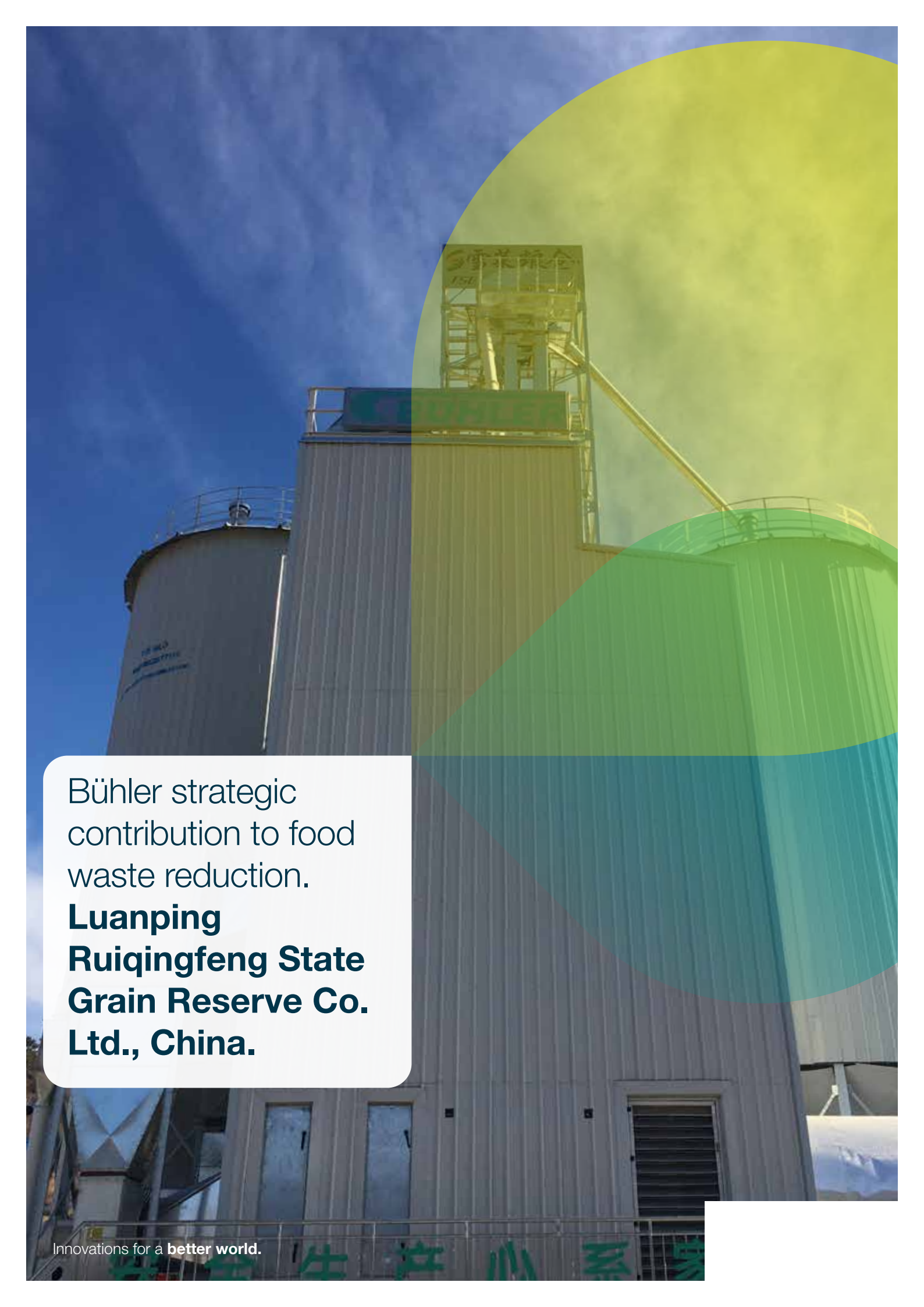




Bühler strategic
contribution to food
waste reduction.

**Luanping
Ruiqingfeng State
Grain Reserve Co.
Ltd., China.**

As society develops, people's demand for food keeps increasing. This leads to increase the food production and to ensure high and stable yields. On the other hand, more attention is paid to the management of food safety. The main focus in terms of food safety is on reducing food waste.

This is also the direction for strategic development that Bühler has adhered to in its approach to sustainable development.

Due to the influence of various factors, China has always suffered from serious losses and waste involved in the storage, transportation, processing and consumption of food after the harvest. In addition, the utilization efficiency of food resources is also low. Therefore, it is imperative to reduce the quantity of food loss and waste in a bid to improve food safety and reduce the environmental impact of food supply systems. To ensure food safety, it is necessary to first solve the problem of timely processing and safe storage of food post-harvest.



The Luanping Ruiqingfeng State Grain Reserves Co. Ltd, formerly known as Luanping National Grain Reserve Depot, was founded in 2002. The company is located in the southwest of Luanping County. It is close to the Jingtong railway line to the west and the Luandong Highway to the east, with an advantageous geographical location and suitable climate. It is an ideal place for the storage of national grain.

Luanping Ruiqingfeng State Grain Reserves Co. Ltd. was a national debt project jointly approved by the State Development Planning Commission and the State Administration for Grain on April 21, 2001. The construction started on February 20, 2002, and the facility

was commissioned after an initial inspection on August 31 of the same year. Covering an area of 3.5 ha, the whole depot has an effective storage capacity of 80,000 tons.

In recent years, a series of equipment upgrades and renovations have also been launched in the Beijing metropolitan area with the objective of protecting the environment. The Ruiqingfeng National Grain Reserve Depot, in view of the relevant policies and its own needs – and after exploring the available grain drying equipment in the industry – finally selected the large capacity, energy-saving and environment friendly LEEA Continuous Corn Drying Tower developed and produced by Bühler in 2017.

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The big problem of corn fluff has finally been solved with the use of Bühler's drying tower.

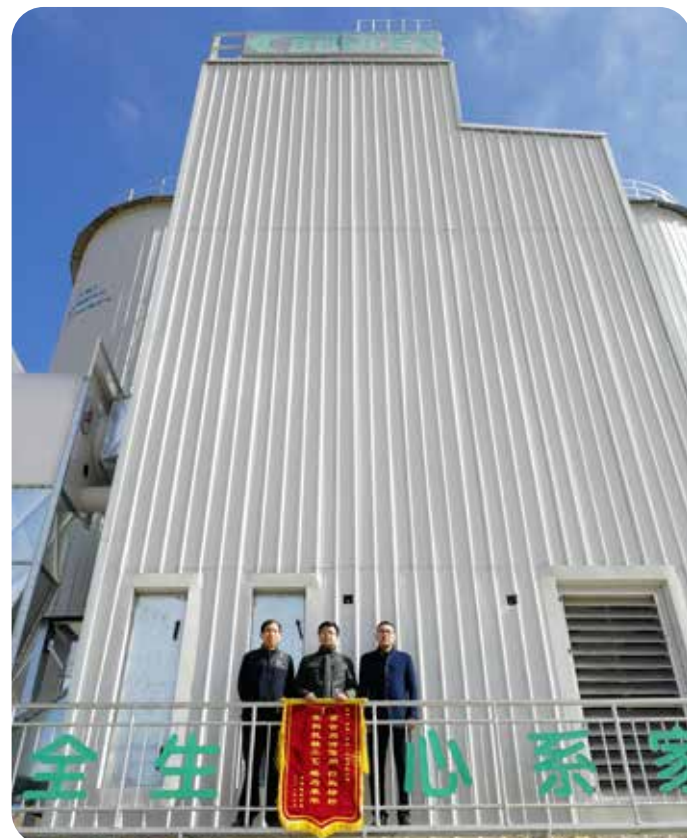
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Chen Zhuxin, Director,
Hebei Luanping Ruiqingfeng
State Grain Reserve Depot

The use of Bühler's continuous drying tower has enabled the customer to solve the problem of dusty air vents that had vexed them for a long time, as well as the biggest challenge in the corn drying industry – the problem of removing the corn fluff (commonly known as red skin).

The Bühler continuous drying tower features a unique Eco-cleaning system and a low-dust-emission design. This reduces the final emission concentration to $\leq 20\text{mg/m}^3$, which fully meets the needs of the customer in respect of the environmental protection laws and regulations, both currently and in the future.



Further Chen Zhuxin says: “The drying plans provided by other suppliers would have cost 80–100 yuan (RMB) to dry one ton of corn, while the solution provided by Bühler actually only costs 35–45 yuan (RMB) for each ton of corn. With this taken into account, the Bühler continuous drying tower is really economical.” It will not take long for the equipment investment to be recovered. Because of this, the purchase of Bühler equipment is very worthwhile.

**50 % energy
and operation
cost saving by
Bühler drying
system**

The Bühler continuous drying tower's special physical design and thermal energy recovery technology are both derived from Bühler's exclusive patented Eco Dry technology. This ensures that the drying tower runs with a low level of energy consumption and the uniform quality of grain after drying, rendering grain that is ideal for storage and creating substantial economic benefits for the customer.

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The Bühler continuous drying tower is really economical.

Chen Zhuxin, Director, Hebei Luanping Ruiqingfeng
State Grain Reserve Depot

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We are thankful for Bühler professionalism and craftsmanship spirit.

Further on the official letter of Thanks from Herbei Luanping Ruiqingfeng State Grain Reserve Depot there's written: "Since the start our partnership in the corn drying tower procurement project, you have provided your service with remarkable scientific and technological strength, consummate craftsmanship, and advanced equipment in this project.

We were impressed by your precise precise design and perfect after-sales service, which demonstrated your professionalism. The construction team was motivated, strove for excellence, and completed the installation and commissioning to a high standard. Your professional ability and craftsmanship are worthy of praise."

With the help of Bühler's equipment, the Hebei Luanping Ruiqingfeng State Grain Reserve Depot will continue to improve the construction of infrastructure in order to balance the supply and demand equation for grain, increase the income of farmers and ensure food safety.

The banner and thank-you letter from the Luanping Grain Bureau will serve as the encouragement for and recognition of Bühler. Bühler will continuesly to engineer customer success and to innovate for a better world.

The project at a glance

Grain storage project data

	Type	Capacity/performance
Storage	8 flat storages	80,000 MT
Intake	1x Truck	100 t/h
Drying solution	LEEA STKX6-07/02	300 t/d (corn)
Loading	1x Truck	100 t/h

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