

Your grain is in good hands with us.
Grain management at the highest quality.

Bühler Grain Storage.

You can count on us.

Bühler Grain Storage.

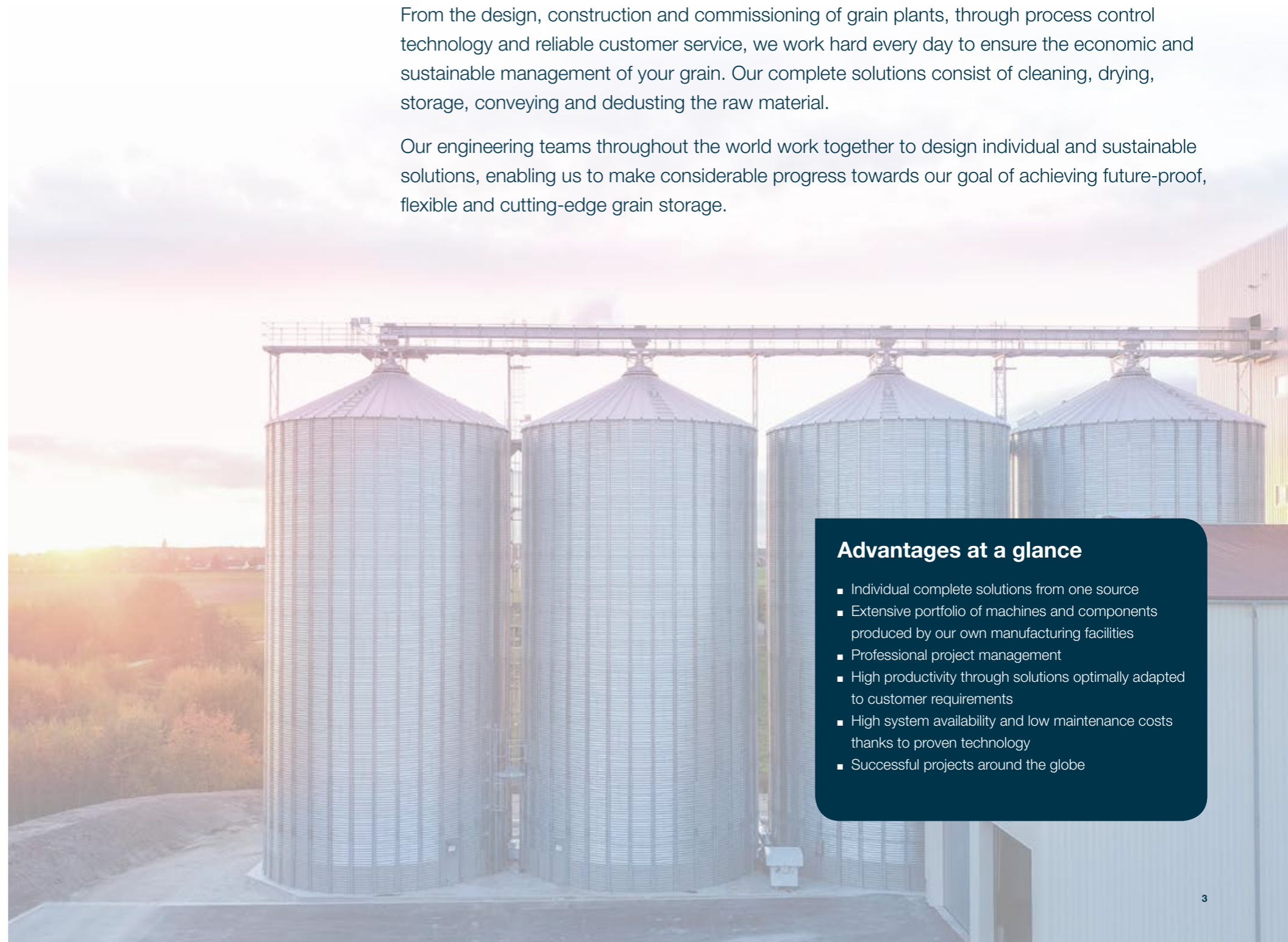
We are your reliable partner.

Grain is a staple food for 3.5 billion people. Today, 30% of all food produced gets lost on the way from field to fork. Bühler has set the objective of reducing this alarmingly high percentage. How do we plan to do this? Through professional and effective grain management.

From the design, construction and commissioning of grain plants, through process control technology and reliable customer service, we work hard every day to ensure the economic and sustainable management of your grain. Our complete solutions consist of cleaning, drying, storage, conveying and dedusting the raw material.

Our engineering teams throughout the world work together to design individual and sustainable solutions, enabling us to make considerable progress towards our goal of achieving future-proof, flexible and cutting-edge grain storage.

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Advantages at a glance

- Individual complete solutions from one source
- Extensive portfolio of machines and components produced by our own manufacturing facilities
- Professional project management
- High productivity through solutions optimally adapted to customer requirements
- High system availability and low maintenance costs thanks to proven technology
- Successful projects around the globe

From planning to customer service.

We provide you with a reliable service whenever you need us.

We offer you customized complete solutions, ultra-modern machines and countless other individual components along the entire food value-added chain. The advantages for you: project coordination and communication are reduced to a few business partners. Grain management – completely rethought.



- Our services**
- Consultation, design, planning, project execution
 - Installation and commissioning
 - Apprenticeships and training
 - Local customer service
 - Research and development

Versatile solutions for all stages in the process.

Our product & service portfolio.



- Truck
- Train
- Ship
- Bag

1 Intake



- Screening machines
- Air cleaners
- Drum sieves
- Ultratrieur

3 Cleaning



- Continuous flow dryers
- Continuous flow coolers
- Batch dryers

5 Drying



- Process automation software
- Measurement and control systems
- Electrical installation and cabinets

7 Automation

Processing industries

2 Conveying

- Chain conveyors
- Elevators
- Belt conveyors
- Screw conveyors
- Tubular push conveyors



4 Dedusting

- Round filters
- Spot filters
- Cyclones
- Hopper aspiration systems
- Container covers



6 Storage

- Corrugated steel silos
- Concrete storage bins
- Rectangular silos
- Flat storage warehouses



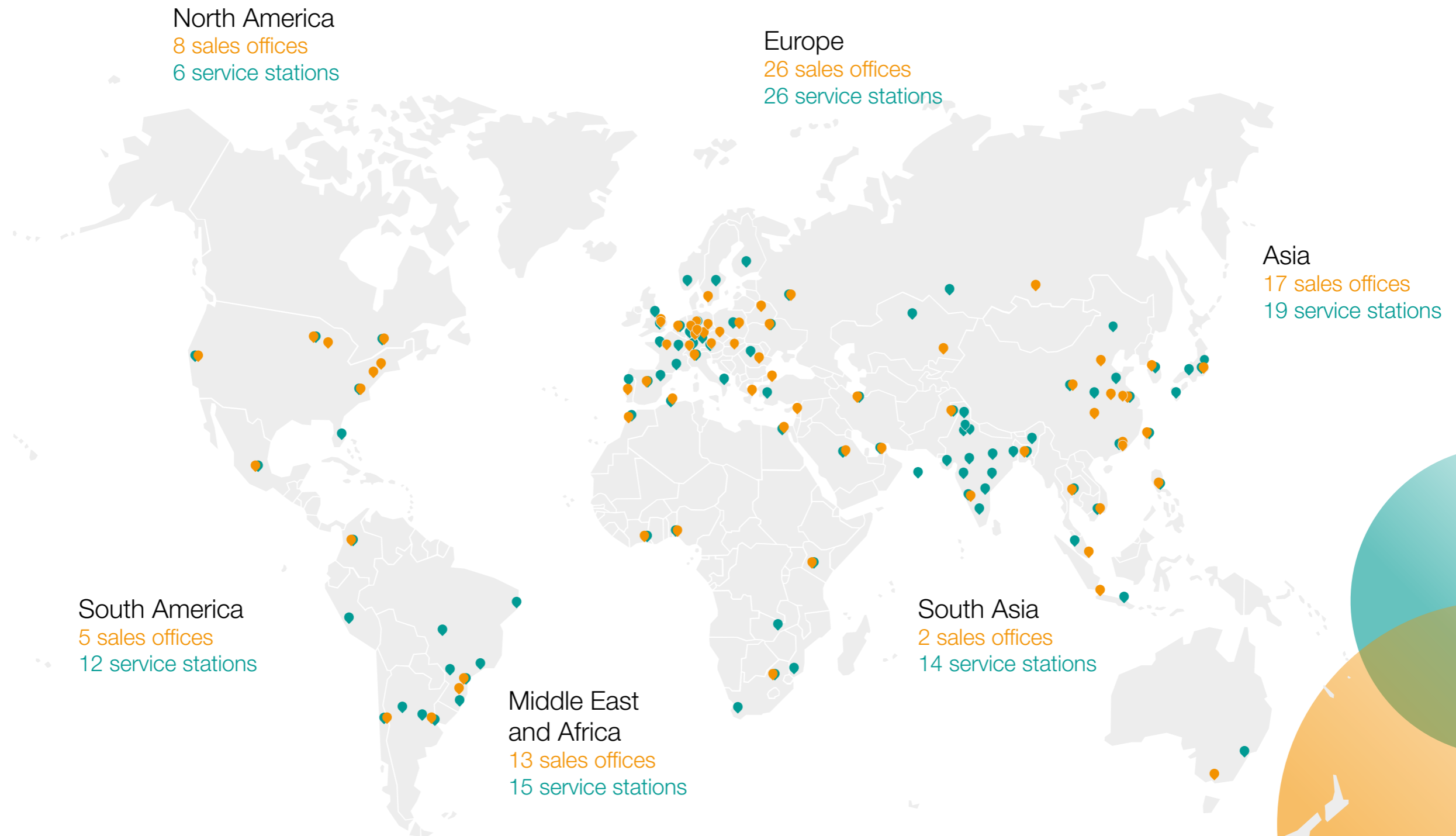
8 Customer Service

- Bühler 24/7 helpline
- Online shop
- Maintenance and repair concepts
- Spare and wear parts
- Training



Today, we are already thinking about tomorrow. **Our service for you.**

With nearly 100 service stations throughout the world, we are always available on-site whenever you need us. Not only does our regional presence mean that we speak your language, but we can also supply spare or wear parts quickly and easily.



Why Bühler?

5 good reasons to choose us.



We are always on your side

Do you need support beyond your project? That's all part of the process for us as your reliable partner, after all, your satisfaction and success are our greatest objectives.



We are close to our customers

Our sales and service network covers the entire world. So we speak your language anywhere in the world and can be with you on site whenever you need us. All around the clock, every day of the year.

We deliver top quality

Our solutions are reliable and durable. And that's in no small part due to our Swiss standard which is maintained throughout the world.



We are ready for the future

Digital solutions have become indispensable to our everyday lives. Our modern operating concepts and software solutions simplify your daily work. So you can keep track of everything – at all times.



We are your partner for complete solutions

Are you looking for a permanent point of contact to look after the entire process? With us, you get all solutions from one source – from plant design to engineering services, and from installation to complete feed plants or flour mills.



Vivescia. Sommeseus, France.

Together with Vivescia, we developed the company's first silo which meets all the requirements of the international food industry. We implemented the entire plant for wheat, barley and canola within the shortest timescales – in time for the harvest.

Project details.

- Total storage capacity 43,500 t
- 10x flat-bottom steel silos
10x discharging screw conveyors
- Intake: 2x trucks, 250 t/h each
- Loading: 1x truck, 200 t/h
- Conveying technology:
25x chain conveyors, capacity 250 t/h
3x elevators, capacity 250 t/h
2x screw conveyors, capacity 5 t/h
- Dosing: MZDE volumetric feed gate
- Cleaning technology:
2x pre-cleaning machines, capacity 250 t/h
1x main cleaning machine, capacity 40 t/h
- Dedusting technology:
2x round filters, 629 m³/min each
- Commissioned: 2015

The customer.

Having worked with us in the areas of malting plants and milling, Vivescia knew us well and was convinced of the quality of our products. So the obvious next step was to work with us again in grain storage.

It was the fast delivery and high quality of the plants that won the customer over in this business segment, too.

"Working with an extremely tight project schedule, Bühler mastered the challenge with us of delivering within the time limits and bringing the plant into operation in time for the harvest."

Denis Kesy, Project Manager at Vivescia



EL Grano LLP. Akkol City, Kazakhstan.

For our customer EL Grano LLP, based north of Astana, the capital city of Kazakhstan, we set up an individually designed silo plant for wheat and sunflower seeds with a storage capacity of 12,000 tons.

Project details.

- Total storage capacity 12,000 t
- 4x flat-bottom steel silos
4x discharging screw conveyors
- Intake: 2x trucks, capacity 100 t/h each
1x rail, capacity 100 t/h
- Loading: 1x truck, capacity 100 t/h
1x rail, capacity 100 t/h
- Conveying technology:
17x chain conveyors, capacity 100 t/h
10x elevators, capacity 100 t/h
- Cleaning technology:
1x pre cleaning machine, capacity 100 t/h
1x main cleaning machine, capacity 100 t/h
2x main cleaning machines, capacity 12 t/h
- Drying technology:
1x EcoDry, capacity 50 t/h (wheat)
- Commissioned: 2016

The customer.

Our customer, EL Grano LLP, also opted for our Bühler grain plants, as aspects such as high availability and economic efficiency were very important to them when selecting a suitable partner. Optimum cleaning and thorough removal of crushed grain will henceforth increase the quality of the grain and that of the resulting further-processed products such as flour. This means that EL Grano's products are perfectly suitable for export abroad as they meet the strict requirements and guidelines.

EL Grano is extremely satisfied with the plant created in 2016 and has plans to expand it with us in the future.



Raiffeisenbank Hemau-Kallmünz. Oberpfraundorf, Germany.

Our technical know-how and versatile, individual automation solutions were pivotal for Raiffeisenbank Hemau-Kallmünz in entrusting us, as a reliable partner, with their order.

Project details.

- Total storage capacity 10,000 t
- 11x steel cone silos
- Intake: 2x trucks, capacity 150 t/h
- Loading: 1x truck, capacity 150 t/h
- Conveying technology:
 - 15x chain conveyors, capacity 150 t/h
 - 5x elevators, capacity 150 t/h
- Cleaning technology:
 - 1x pre-cleaning system, capacity 150 t/h
 - 1x main cleaning machine, capacity 150 t/h
- Dedusting technology:
 - Round filter, capacity 400 m³/min
- Drying system:
 - 1x EcoDry, capacity 5.6 t/h (corn)
- Commissioned: 2017

The customer.

Raiffeisenbank Hemau-Kallmünz has been a solid member of Bühler's customer base for decades. Proximity to their site, on-site service and good collaboration are just some of the reasons for this long lasting relationship.

Above all, it was our extensive technical know-how that was the deciding factor for the customer when placing the order for this plant with us. After all, a wide variety of automation solutions were to be implemented which now make the site stand out as a modern silo plant, primed for the future. The plant processes wheat, rapeseed, corn and barley.



Glissando. Voiteg, Romania.

In Romania, we implemented a new silo plant with a total storage capacity of 20,000 tons of grain. One particular feature of this project was the complete plant control system and all the electrical installations that were individually designed and delivered by Bühler.



Project details.

- Total storage capacity 20,000 t
- 10x flat-bottom steel silos
10x discharging screw conveyors
- Conveying technology:
20x chain conveyors, capacity 20/60/100 t/h
6x elevators, capacity 15/60/100 t/h
- Cleaning technology:
1x pre-cleaning machine, capacity 100 t/h
1x main cleaning machine, capacity 100 t/h
- Dedusting technology:
1x round filter, capacity 400 m³/min
- Drying technology:
1x EcoDry, capacity 35 t/h (corn)
- Plant control system and electrical installation
- Commissioned: 2016

The customer.

When the order for the Glissando plant was placed, there were already three other plants in the same region which had been implemented in collaboration with Bühler and which were among the largest of their kind in Romania. So the customer was able to get a good impression of our performance and services in advance.

However, it was ultimately our practical complete installation package that played a key role in winning the order. Thanks to the straightforward process, the customer was able to benefit from a fast and uncomplicated installation of its silo plant.

"A successful harvest was only possible through the collaboration with Bühler and the timely delivery."

Ioan Bianu, Manager at Glissando



**Experience
and progress.**
For successful
grain management.

Moser Agrar- und Baufachzentrum. Ingolstadt, Germany.

The company Moser has been working with us for over 40 years and places its trust in our individual service. It was this longstanding confidence in us that formed the basis for the exciting project in Ingolstadt.

Project details.

- Total storage capacity 16,200 t
- 3x flat-bottom steel silos, 4x steel cone silos, 15x processing cells, 3x discharging screw conveyors
- Intake: Truck and rail, capacity 200 t/h each
- Loading: Truck and rail, capacity 200 t/h each
- Conveying technology:
 - 19x chain conveyors, capacity 150/200 t/h
 - 6x elevators, capacity 150/200 t/h
 - 4x conveyors, capacity 150 t/h
- Cleaning technology:
 - 1x main cleaning machine, capacity 200 t/h
- Dedusting technology:
 - 1x round filter, capacity 650 m³/min
- Drying technology:
 - 1x EcoDry, capacity 10 t/h wet corn (35% to 15% humidity)
- Commissioned: 2018



Details about the multipurpose hall project.

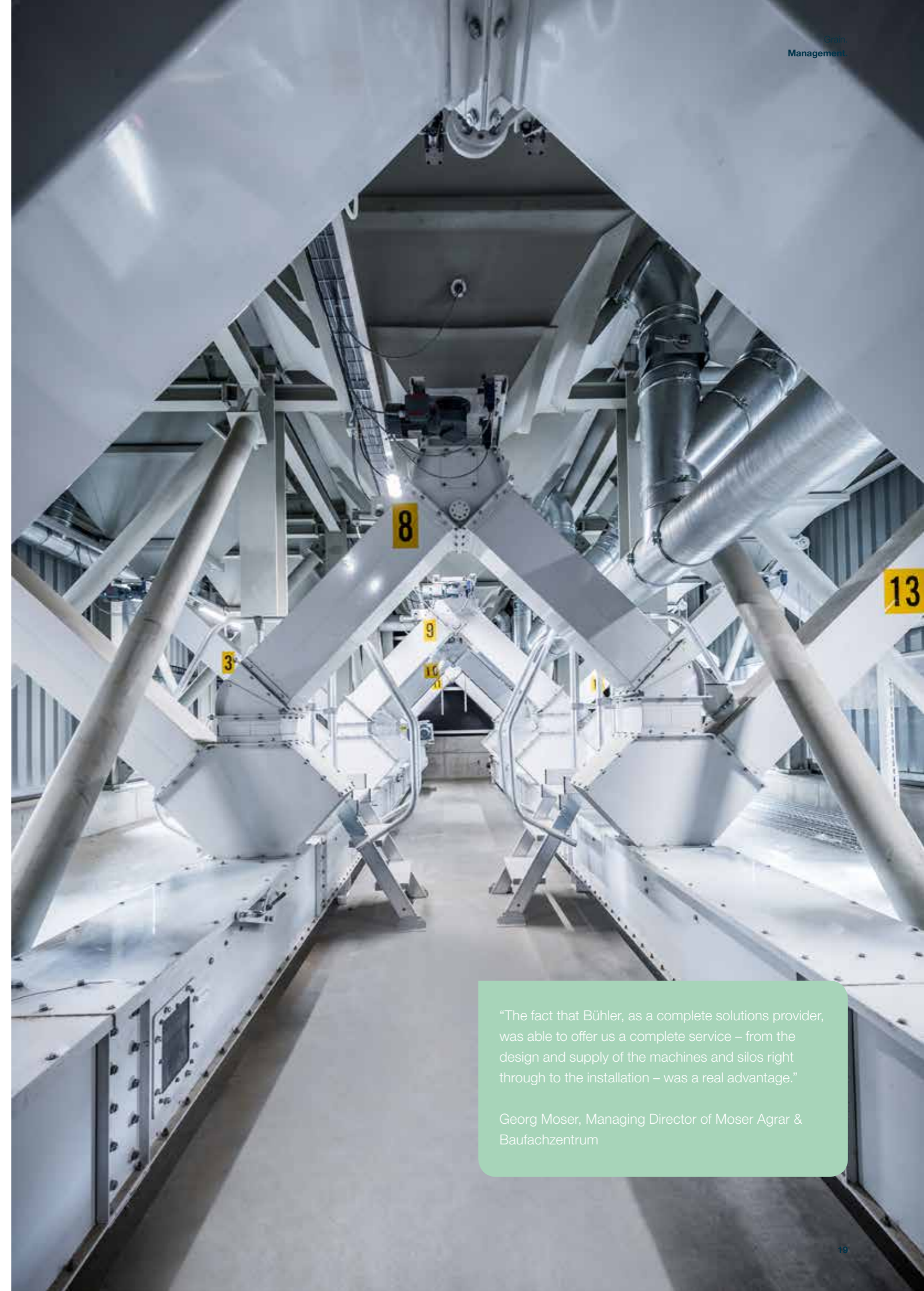
- The goods are received and stored via mobile conveyors, an elevator and a stainless steel belt conveyor with a capacity of 150 t/h.
- The product is then optimally distributed throughout the hall via a reversible longitudinal sliding belt conveyor and transverse distribution trolleys with a cross belt.
- There is a wooden platform system for maintenance purposes.
- The product is removed via mobile retrieval devices or forklift trucks.
- Commissioned: 2018

The customer.

The grain plant in Ingolstadt is already the third plant to have come into existence through the collaboration between Moser and Bühler.

Our tried and tested technology won the customer again along with the company's close proximity to the nearest service station. Our permanent point of contact which Moser can turn to for any questions, and our unconditional plant service were decisive factors for the company when placing the order.

Grain, feed, seed corn and fertilizer are collected, prepared, dried and handled at the Ingolstadt site. Other sites in Schweitenkirchen and Riedenburg are also equipped with Bühler technology.



"The fact that Bühler, as a complete solutions provider, was able to offer us a complete service – from the design and supply of the machines and silos right through to the installation – was a real advantage."

Georg Moser, Managing Director of Moser Agrar & Baufachzentrum



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