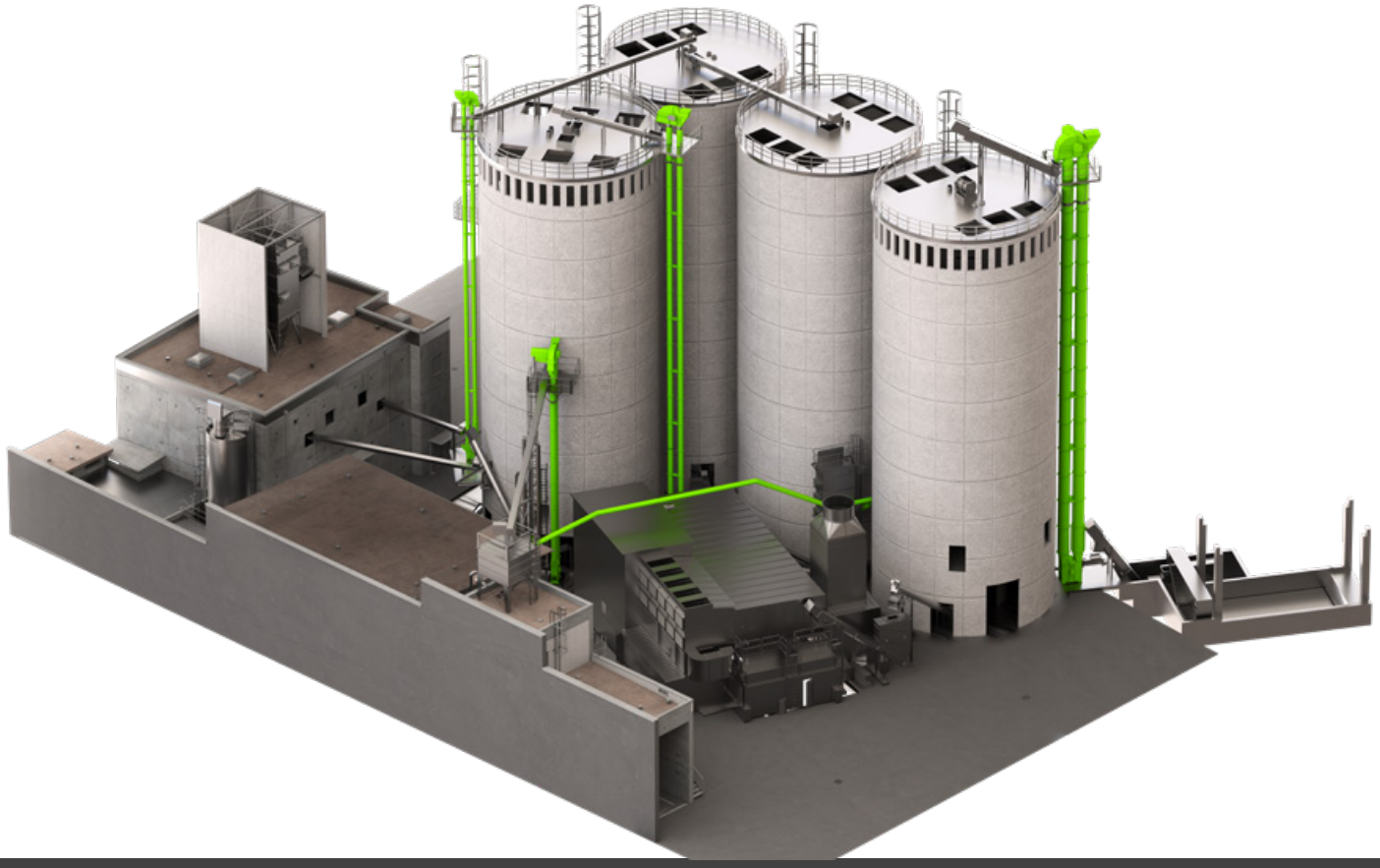
TURNKEY PELLETING PLANTS



SALMATEC

PLANT ENGINEERING

Everything from one source.

With decades of experience in plant engineering and construction we as a company are ideally equipped to provide solutions for your pelleting process. We know that each pelleting plant has its own individual requirements. For this reason, we design your plant according to your needs and ideas.

As a complete supplier, we offer you all-embracing solutions to minimize your interfaces. We take care of the planning, conception, delivery, installation, and commissioning of your pelleting plant and make sure that everything is perfectly coordinated. In this way, we can supply you with a turnkey plant in accordance with your specific requirements and support you in successful production.

In doing so, you can benefit from our extensive know-how and experience in plant engineering and construction. Due to the continuous development of our technologies and concepts, we always offer you the latest standard in energy efficiency and quality.

But our responsibility does not end with the handover of the keys. You can also rely on our support during ongoing production. With an and excellently organized service, we will not leave you alone with your plant.

KIRNBAUER 2022

The pelleting plant of Holzindustrie Kirnbauer in Ternitz, Austria, started operating in 2022. Approximately 18,000 t of wood pellets are produced there annually in a two-shift operation. The raw material used is the wood shavings from the directly connected planing mill.

A particular challenge was the available space: Only 500 m² were available for the entire pelleting process, including silos and loading, between existing production halls. Furthermore, the industrial site is located right in the middle of the city, leading to high regulatory requirements for noise protection. Both obstacles were overcome through the individually developed concept.

The project was planned, developed, and realized by SALMATEC. In total, the facility comprises a dry wood chip silo, a pellet silo, a starch silo, truck loading facilities, and a pelleting plant with a control room. Inside, a MAXIMA 700 type pellet mill is installed for the pelleting process. In addition to the pelleting process, the loading process is highly automated: Customers‘ trucks can load pellets 24/7, followed by digital invoicing.

Key Data:

- 1x MAXIMA 700
- Installed Capacity: 18,000 t/y
- Commissioning: 2022

SOLUTION FOR LIMITED SPACE

HACKSCHNITZLER 2022

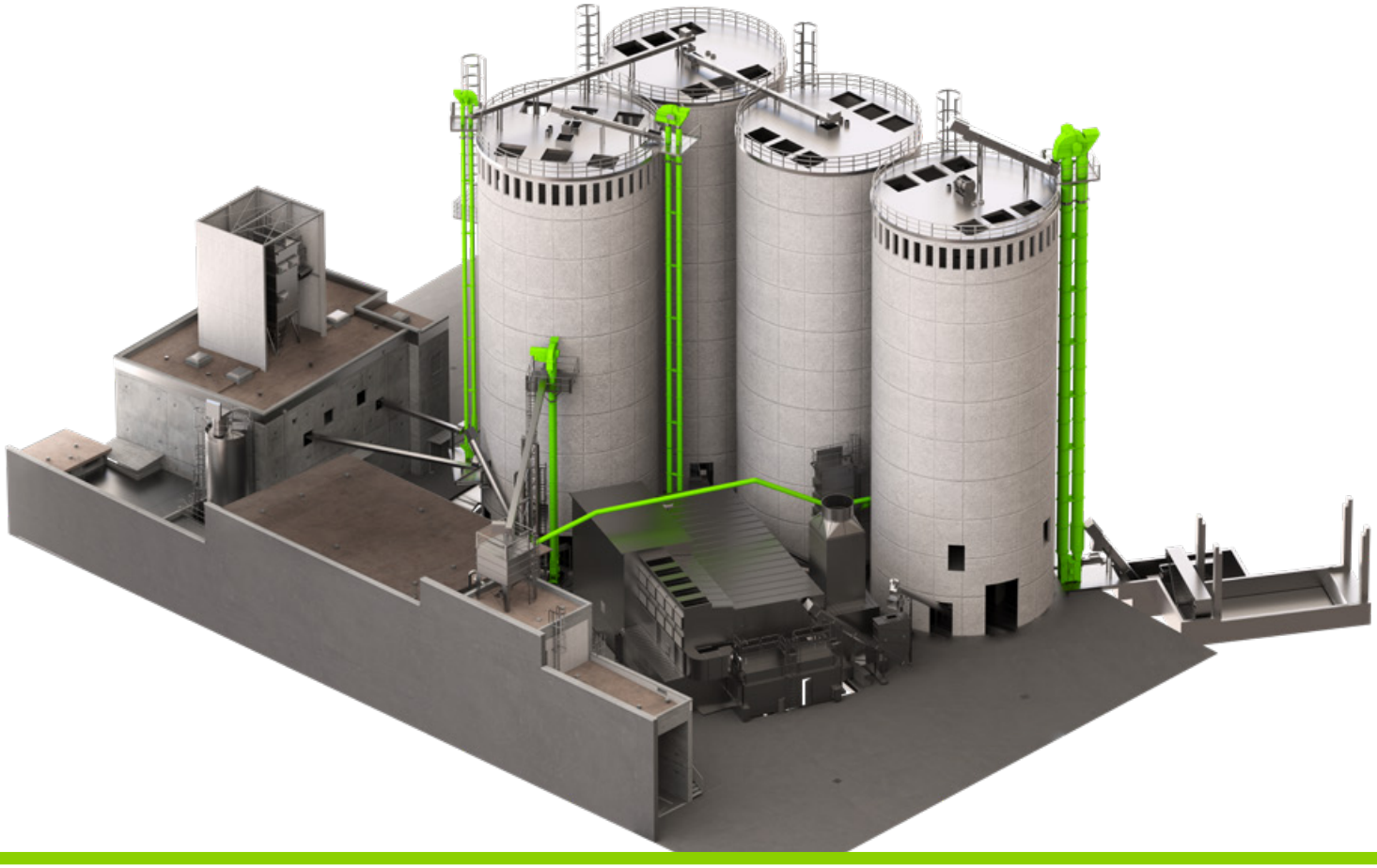
On May 28, 2021, Franz Moser awarded SALMATEC the contract to take over the overall planning for the pellet plant, as well as the supply, assembly, and commissioning of all machinery and conveyor systems.

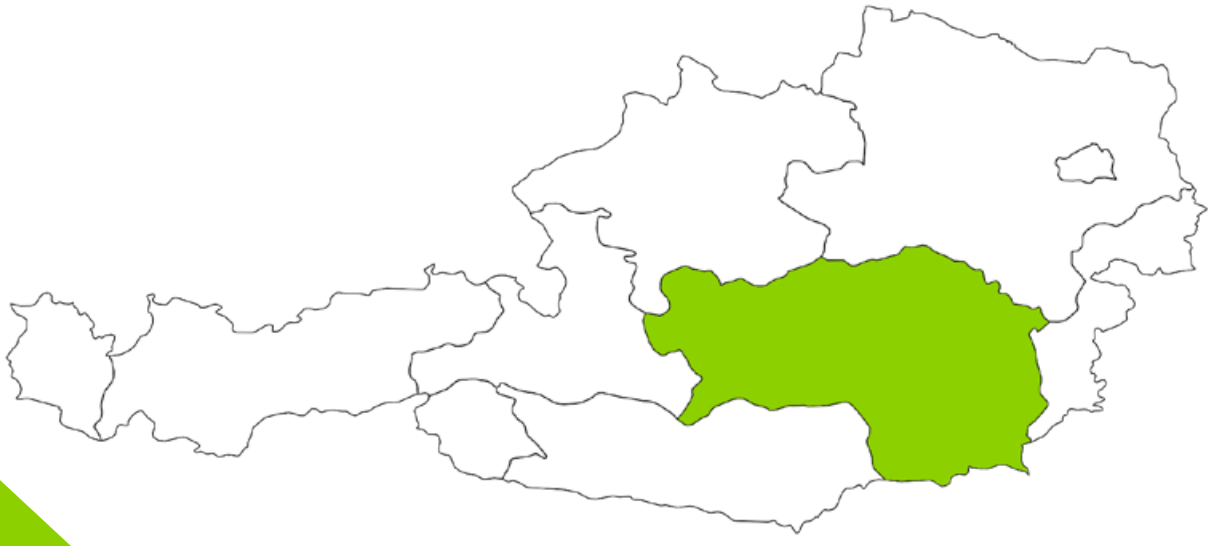
The electricity and heat generation are ensured through the pellet gasifier power plant from Burkhardt, which was also newly constructed. Common by-products from sawmills, sawdust, and wood chips, as well as self-produced wood chips from industrial wood, are being processed.

Key Data:

- 2x MAXIMA 840
- Installed Capacity: 82,500 t/y
- Commissioning: 2022

EVERYTHING IN ONE PLACE





HASSEL 2022

In 2022, Holzindustrie Hassel in Stockum-Püschen, Germany, decided to achieve greater value-added by establishing their own pelleting plant. The roundwood cut of the affiliated sawmill was recently at 160,000 m³ per year. As a result, numerous sawmill by-products such as wood chips, planer shavings, and sawdust are generated at the site. With the in-house pelleting facility, these are now processed into valuable wood pellets.

Key Data:

- 2x MAXIMA 840
- Installed Capacity: 85,000 t/y
- Commissioning: 2023

SAWMILL EXPANSION

The project includes, at its final stage, two wet wood chip silos, one dry wood chip silo, and two pellet silos. The heat for the belt dryer is generated using an on-site heating plant. In the core unit, there is initially one pellet mill, and in the final stage, two pellet mills of the MAXIMA 840 type, each with a capacity of 400 kW and 5.5 - 6 t/h.

Hassel Video

BULLINGER 2023

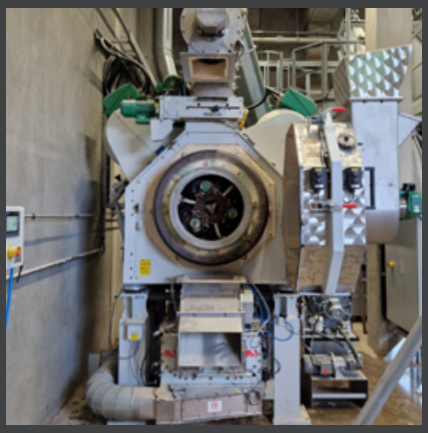
Key Data:

- 1x MAXIMA 700
- Installed Capacity: 25,000 t/y; Intended Capacity: 9,800 t/y
- Commissioning: 2023

NOCTURNAL PRODUCTION ONLY

At Holzwerke Bullinger in Abtsgmünd, the pelleting plant was established alongside an energy generation facility, allowing a significant portion of the pellets to be used on-site. The project demonstrates how even a small pellet plant can operate profitably. With an annual production quantity of less than 10,000 tons in a single-shift operation, the facility stands out as a true exception. While most producers aim to run their pellet mills as much as possible, here it's the opposite: Pelleting is intended to run only at night. This way, the energy generated can be used for the planing mill during the day and for pelleting at night.

The pellets are viewed as energy storage here: The silo holds about a quarter of the total annual production.



LADENBURGER 2020

Key Data:

- 2x MAXIMA 840
- Installed Capacity: 80,000 t/y
- Commissioning: 2020

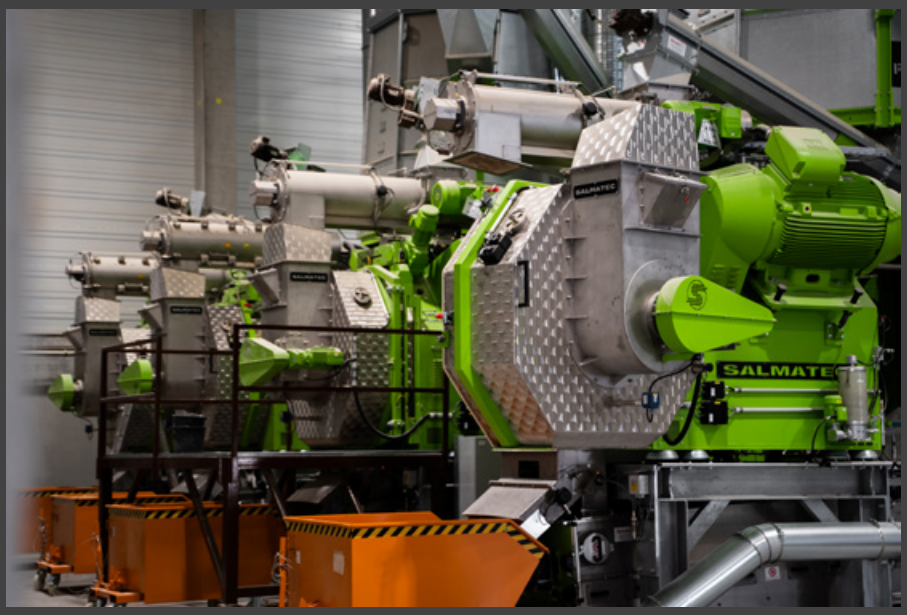
BULK AND BAGS

Since 2020, the Ladenburger Group has been operating its first pelleting plant. This plant was constructed at the planing mill location in Bopfingen, Germany.

On September 25, 2019, SALMATEC received the order to establish the complete pellet production, including a concrete silo for wood shavings, a steel hall for pelleting, a steel silo for pellets, truck loading facilities for bulk pellets, truck reception for dry shavings, and a high-capacity, fully automated bagging system.

The challenge was to fulfill the customer's request for the creation of an entire pellet plant. The customer handled the earthworks, foundations, and power supply, while SALMATEC took care of everything else.

From Planning...



...to the first pellets

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