

Factsheet

OMV Tank Farms in Austria and Hungary

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OMV Downstream

Tank Farms in Austria and Hungary

OMV has built up a network of tank farms that brings its high-quality products closer to its customers. All locations are optimally connected to pipelines, rail or road transport or inland shipping. The OMV tank farms are equipped with state-of-the-art environmental facilities. During the conventional tanking process, carbon dioxide inevitably escapes. The modern bottom-loading filling station can prevent this with gas oscillation and exhaust air purification. The tank trucks are filled from below, the displaced gases are captured and processed in a cleaning system. This method shortens and simplifies the refueling process, also for the tanker driver. It also allows several products to be filled simultaneously.

Lobau tank farm

Like the Schwechat refinery, the Lobau tank farm is located where there is the greatest demand: in the east of Austria, in a prime infrastructural location. At the Lobau tank farm, OMV can store around 1.6 million m³ of crude oil, intermediate and finished products and additives in 95 tank containers. OMV's largest tank can hold 130,000 m³, the smallest 50 m³.

Production at Lobau tank farm

The Lobau tank farm is a production plant as well as a storage facility for intermediate and finished products. Both OMV performance fuels, MaxxMotion Diesel and MaxxMotion Super 100, are produced in state-of-the-art techniques.

In addition to the storage of intermediate and end products, petrol, diesel fuel and extra light heating oil are mixed on two mixing plants. These can mix up to 1,400 m³/h of end product. This corresponds to 1,400,000 l/h, which would be enough fuel to power one car with average mileage for 1,000 years. Every year around 6.9 million tons of mineral oil products are pumped through a total of 20 Danube pipelines between Schwechat refinery and Lobau tank farm. The pipelines, each of which has a diameter of between 80 and 300 mm, also help to relieve traffic congestion on Vienna's roads: if this amount of oil were transported by tank truck, there would be an additional 1,700 vehicles per day on the southeastern bypass.

State-of-the-art tank technology

Refilling a large tank truck only takes 25 minutes. Even though the process is so fast, modern technology guarantees that no gasoline fumes escape into the environment: OMV's gas reclamation plant gathers displaced vapors into a special container and pumps them back into the production cycle, where they are re-used as raw materials. This modern and environmentally friendly procedure is called bottom-loading. It is currently used in eleven OMV loading sites. At the 1.08 km² production area of the Lobau tank farm, up to 380 tank trucks are refilled every day using the bottom-loading procedure. The two remaining top-loading systems are used to refill tanks with diesel fuels and extra-light heating oil; there is no problem with leaking product vapors here.



Additional delivery routes

As well as delivery by tank truck, there are other routes available for the transportation of goods from the Lobau tank farm to ensure the maximum flexibility of both the tank farm and the Schwechat refinery. One of these routes is the product pipeline west, which provides a direct and energy-efficient supply link. The pipeline supplies the St. Valentin tank farm, and thereby the whole of western Austria, with extra-light heating oil, diesel and gasoline as well as MaxxMotion Performance Fuels. The pipeline is 172 km long and is monitored at all times to ensure a safe operation. If the quantity were transported in tank trucks, the Westautobahn would have to cope with an additional 500 vehicles per day. In addition, there are 200 rail tank cars daily available at Lobau to carry out deliveries. Transport by rail is used primarily to supply the Austrian tank farms and to import intermediate products for the Schwechat refinery.



The energy for a better life.

Key heating-oil customers and foreign OMV subsidiaries also receive the high-quality OMV products by rail. The rail tank cars are loaded at four loading stations. A closed filling system immediately sends any escaping product vapors back into circulation and thus ensures maximum pollution control.

38.000 rail tank cars are carrying a total of around 2,3 million tons of mineral oil products pass through the OMV tank farm in Lobau every year. Around 930 crude oil vessels are filled annually at the Lobau oil port with a total of 1,1 million tons of mineral oil products. A quarter of this is exported primarily to Hungary and Slovakia. The installed vapor recovery plant ensures that no harmful fumes are able to escape into the atmosphere. Expertly trained staff ensures that the Lobau tank farm is operated at maximum safety levels, supported by ultramodern equipment such as the fully automatic fire alarm system and fire extinguishing facilities. A sewage treatment plant with a biological purification process is used to purify the water.

Graz tank farm

The Graz tank farm is comparatively small with a capacity of around 8,100 m³. Nevertheless, it is of enormous strategic importance for the supply of oil products to southern Burgenland and parts of Carinthia and Styria.



OMV also exports its high-quality products to Hungary, Slovenia and Croatia from the Graz tank farm. A total of around 460.000 tons of gasoline, diesel and extra-light heating oil are delivered every year. Up to 120 tank trucks leave the Graz tank farm every day. The farm has one top-loading and three bottom-loading systems at its disposal, which allow the fast and clean refilling of tanks from above and below. The Graz tank farm has five elevated and four underground tanks and is turned over around 65 times a year. The storage and shipment of products is fully automated and computerized. The Graz tank farm receives most of its supplies by rail from the Lobau tank farm. This dispenses with around 40,000 deliveries by tank truck per year and thus helps relieve traffic congestion and reduce pollution on routes between Vienna and Styria. In the last few years, investments have also been made in environmental protection measures such as in the oil tight sewage system and the vapor recovery plant.

St. Valentin tank farm

The St. Valentin tank farm guarantees the supply of mineral oil products to western Austria. The 17 tanks close to the Enns River in Lower Austria can store around 468,000 m³ of finished and intermediate products. Here, over 55,000 tank trucks can be loaded annually with high-quality OMV products. Of the 10 loading lanes for tank trucks, six are equipped with the environmentally friendly bottom-loading procedure. A downstream vapor recovery system guarantees that gasoline fumes do not escape but are returned to the pump flow. The additional 4 top-loading sites are available for refilling with diesel

fuels and extra-light heating oil, where there is no issue with leaking product vapors. A sewage treatment plant with a biological purification process is used to purify the water. Since 1976 the product pipeline west (PLW) has provided the supply link between the Lobau and St. Valentin farm, which are 172 km apart. The PLW dispenses with 56,000 journeys covering 17 million km a year by tank trucks heavily loaded with mineral oil products on the A1 western motorway. The pump stations are checked on a regular basis: once a month an airplane checks the entire transmission route of the pipeline. A pipeline inspector even walks along the pipeline route in order to detect and eliminate any potential defects.

Lustenau tank farm

Around 150 filling stations, hauliers and key customers in Vorarlberg and the Tyrol receive their mineral oil products from the Lustenau tank farm. The six elevated and five underground tanks are able to store about 5,600 m³ of mineral oil products. The farm is turned over almost 30 times a year. Every year, around 6,000 tank trucks pass through the farm. One top- and two bottom-loading stations are available for the shipment of gasoline, diesel and extra-light heating oil. Maximum safety levels and pollution control are maintained at the Lustenau tank farm by both technology and man-power: Technical installations include modern bottom-loading systems with vapor recovery units, the oil-tight sewage system and a fully automatic fire alarm system, while the human element is provided by trained fire protection personnel and on-site

experts to carry out regular checks and exercises. Mineral oil products are delivered to Lustenau by rail mainly from the Lobau tank farm as well as from Germany.

Würmlach tank farm & Adria-Wien Pipeline (AWP)

Würmlach tank farm is the starting point for supplying crude oil to the Schwechat refinery via the AdriaWien-Pipeline. The tank farm, which is equipped with five storage tanks with a total capacity of 250,000 m³, is located in Western Carinthia near the Italian border.

Via connection to the Trans-Alpine oil pipeline (TAL), the crude oil is transported from the Trieste oil port to the Würmlach tank farm, where it is temporarily stored and the pumped to the Schwechat refinery via a 420 km long pipeline. Apart from storage tanks, also the and monitoring centre for the tank farm and the pipeline to Schwechat are located in Würmlach. The crude oil storage tank and pipeline operations are controlled and monitored using state-of-the-art hydraulic monitoring programs. The pumping of crude oil into the refinery takes place around the clock (24/7) and is only interrupted for planned service work in coordination with the refinery.



The pipeline route, which runs through four federal states, is subject to regular control by a route management system that records route flights and inspections as well as official and local concerns.

Around 10 million m³ of crude oil per year are pumped to the refinery via the Würmlach tank farm and the Adria-Wien-Pipeline. 90% of the crude oil required for processing in Schwechat is secured via this transport route. The transport pipeline replaces around 600,000 road tankers annually and is an outstanding example of a safe, economically and ecologically optimized transport route.

Dunatár tank farm in Hungary (HU)

The Dunatár tank farm in Budapest, built in 2001, has been used for many years by OMV as a strategically important product distribution terminal conveniently located on the river Danube. Since summer 2018 it is in 100% ownership of OMV.

The warehouse has 8 storage tanks with a total capacity of 20,000 m³. The supply takes place by ship, the delivery by tank car. Approximately 500-600 million liters of diesel and petrol are delivered automatically in 24/7 operation on 3 filling islands. 3 additive tanks with 4 chambers each and a total volume of 120 m³ enable product addition, also with bioethanol and FAME.

The warehouse is equipped with a modern fire and building protection system. All necessary product quality controls are carried out in the company's own laboratory.

Environmental protection requirements are met by a gas pendulum system and the use of a vapor recovery unit (VRU).

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