

MAXIMA

MAXIMA is one of southern Sweden's biggest infrastructure investments of our time. It comprises different interconnected components: a wastewater tunnel, various shafts along the tunnel, a major pumping station, a treatment plant, and pressurized wastewater transfer pipes from neighbouring municipalities.

We are now in the planning phase and expect an environmental permit by 2025. The project will be completed by 2032.

MAXIMA - Building on history for a better future.

The shafts

A total of 11 shafts are being built along the tunnel system. The shafts have different functions during construction and during operation and will support the receiving of the tunnel gear, function as emergency exits and for connecting waste water.

Depending on the size of connecting flows and function in the operating stage, the diameter of the shaft varies, between approximately 4 and 45 meters in internal diameter. The depth of the shaft varies between approximately 17 and 30 meters.

The pumping station

When the tunnel is finished, the largest shaft will be rebuilt to function as the location for the main pumping station.

The pumping station is designed to be able to pump a maximum of 9 m³/s to the wastewater treatment plant. The lifting height is approximately 32 meters.

Looking for top suppliers

Meeting the water and sanitation needs of everyone in southern Sweden is a massive undertaking. And we can't do it on our own. We want to join forces with the world's top suppliers to produce a sustainable, modern, and robust wastewater system.

Do you want to be part of building a sustainable future in southern Sweden?

MAXIMA

One of southern Sweden's biggest infrastructure investments of our time

2020

2023

2025

2030

2032

Today

Expected environmental permits

Planned building of tunnels, shafts and pumping station

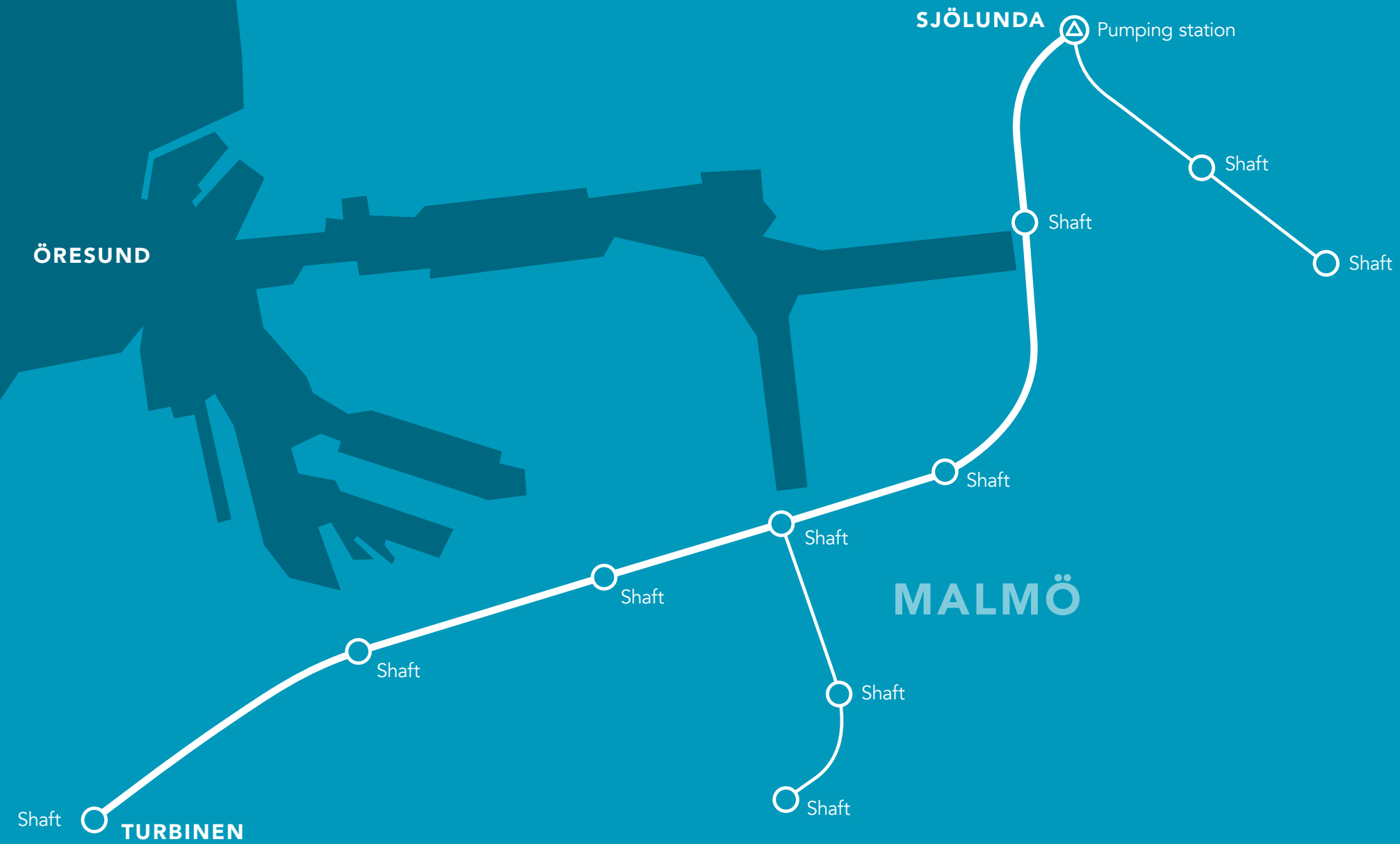
MAXIMA complete

The tunnels

The wastewater tunnel from Turbinen in central Malmö to Sjölundå corresponds to an approximately 5.5 km meter long main tunnel and two connecting microtunnels totaling approximately 2.4 km. All wastewater is naturally transported to Sjölundå, where it is pumped on to the treatment plant. In case of heavy rain, the tunnels act as detention basin for the combined wastewater.

The scope of the tunnel system

- 5.5 km main tunnel from Turbinen to Sjölundå with an internal diameter of approximately five meters
- 1.2 km microtunnel from Värnhemstorget to Skrugatan, for connection to the main tunnel, with an internal diameter of approximately two meters
- 1.2 km microtunnel from Spillepengen to the pumping station with an internal diameter of approximately two meters
- The tunnels will run approximately 17-30 meters below ground.
- The tunnels will be drilled in sedimentary limestone rock.
- The tunnels will be equipped with a sealed segmental lining.
- The facility is designed for a technical lifespan of 100 years.

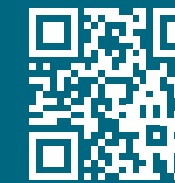


We are VA SYD

VA SYD is one of Sweden's largest organisations working with water, wastewater, and waste. We invest heavily in sustainable wastewater treatment and push for environmentally smart solutions in community building. Our business is open 24/7, has half a million customers, and a turnover of one billion SEK per year.

Procurement

Our legal framework include the Public Procurement Act (LOU) and the Act on Procurement in the Utilities Sector (LUF).



Scan the QR code to get the latest information about MAXIMA.

maxima.vasyd.se