

2026-10-13

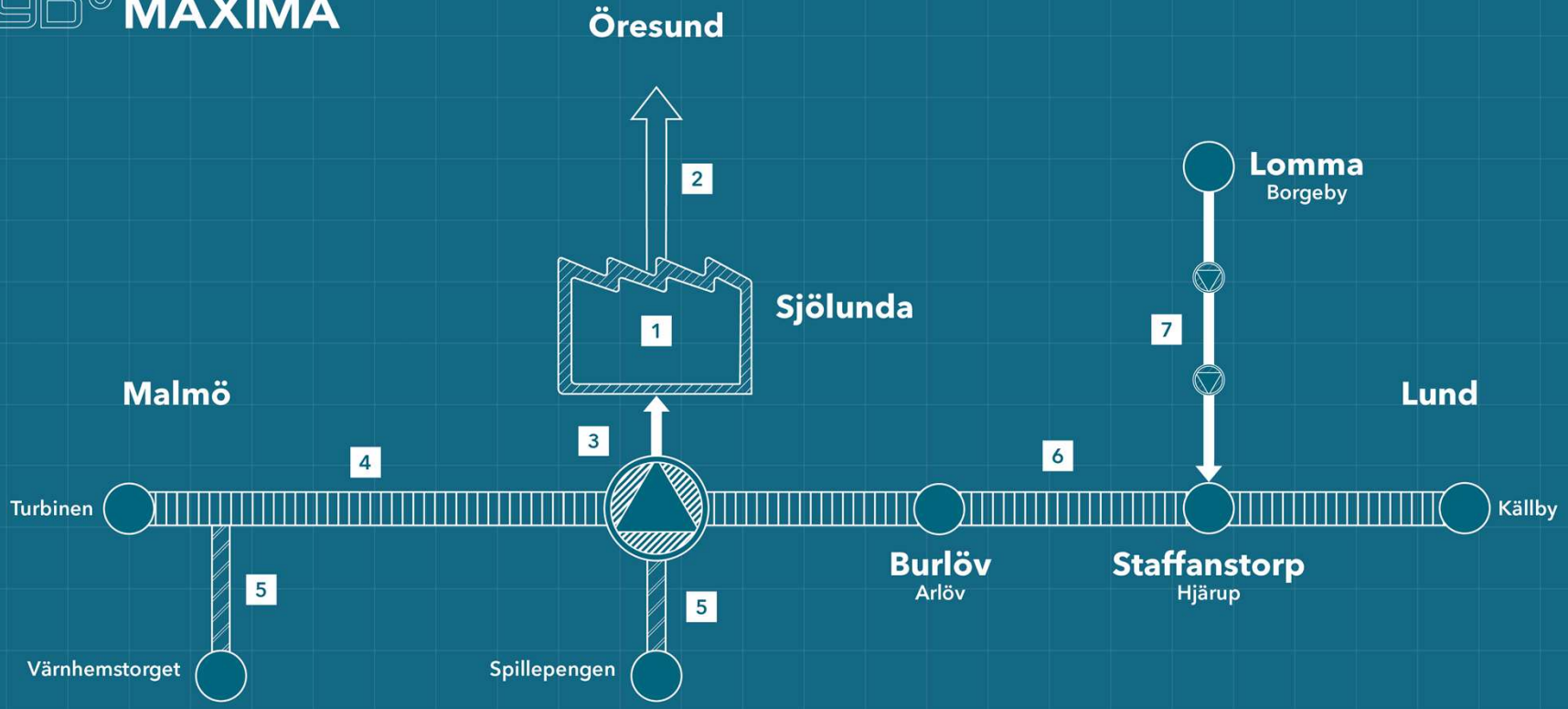
MAXIMA

A robust and reliable wastewater treatment system

Jonas Lauridsen
Project Manager, COWI

55°37'58.4"N, 13°02'27.6"E

VASYD MAXIMA



1 Sjölunda wastewater treatment plant
2 Two new outlet pipes
3 Sjölunda pumping station
4 Southern wastewater tunnel
5 Two connecting micro tunnels
6 Northern wastewater tunnel
7 Pressurised transfer pipes

Wastewater Tunnel South

Service life 100 years

- Main tunnel
  - 5,5 kilometer
  - 5 meter internal diameter
- 2 Micro Tunnels
  - In total 2,4 kilometer
  - 2 meter internal diameter
- 11 Shafts



Wastewater Tunnel North

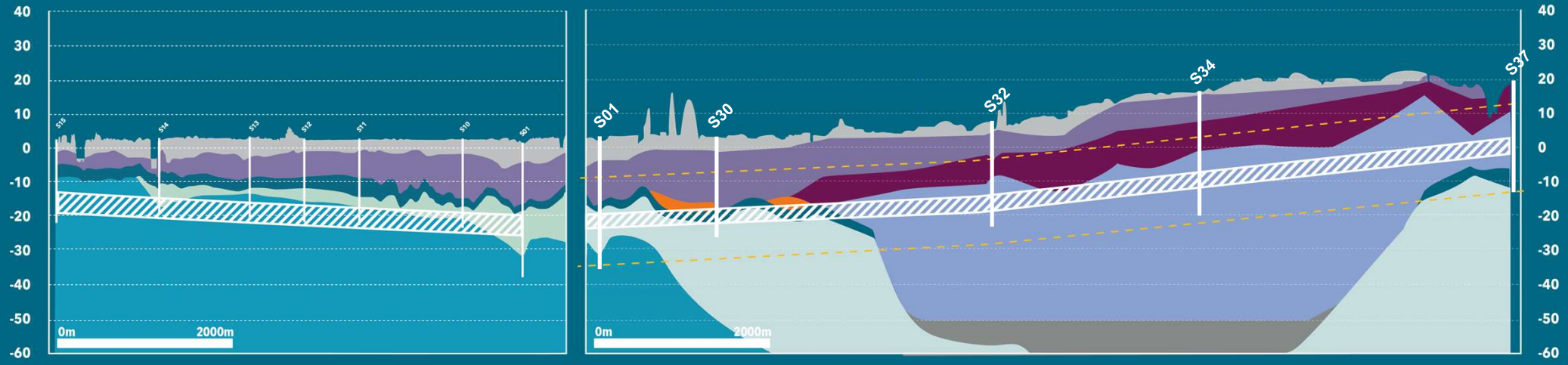
- Tunnel
  - 10 kilometers
  - Internal diameter: 3 meters
- Shafts: 4



Tunnels at a depth of 20–35 metres

Enables urban and land development and agriculture

Gravity flow reduces electricity consumption and the need for maintenance



The Southern wastewater tunnel

The Northern wastewater tunnel

55°37'58.4"N, 13°02'27.6"E

S Shafts

Tunnel

Upper sedimentary unit

Morain unit (Baltisk morän)

Morain unit (Nordostmorän)

Sorted sedimentary unit

Alnarp sedimentary unit

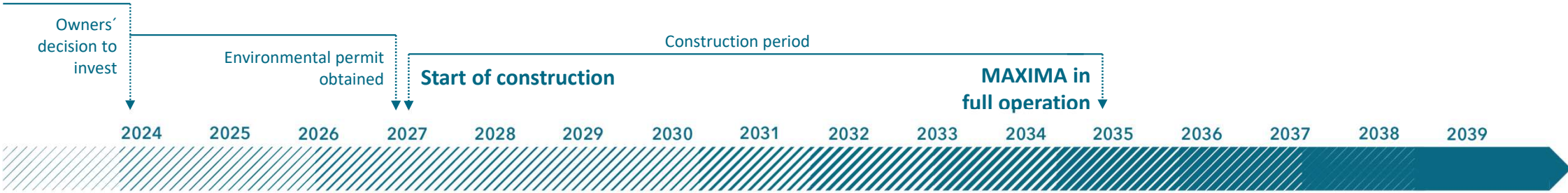
Limestone (Krosszon)

Limestone (Köpenhamnskalksten)

Limestone (Bryozokalksten)

Timeline

1. Pre-qualification for tunnels and shaft contracts to be initiated before summer 2026
2. Distribution of full Tender Documents to pre-qualified tenderers in Q4 2026
3. Start of construction end of 2027



55°37'58.4"N, 13°02'27.6"E

Vi bygger på historien

för en bättre framtid

maxima.vasyd.se

55°37'58.4"N, 13°02'27.6"E