

RÜDERSDORF / GERMANY

Leached salt caverns for natural gas



Manifold of the gas injection and withdrawal plant at surface.

Client	EWE AG
Number of caverns:	2 under construction, 4 in total planned,
Unit volumes of caverns:	500,000 cm (planned)
Planned working gas:	$300 \cdot 10^6$ scm
Planned injection rate:	$1.4 \cdot 10^6$ scm/d
Planned withdrawal rate:	$3.4 \cdot 10^6$ scm/d
Remarks	<ul style="list-style-type: none">- 1 cavern well as deviated well (S-shape)- Brine from leaching is disposed off through a pipeline of 54 km length into a deep aquifer horizon- Nitrogen is used as blanket

Main UGS-Scope

- Design of the wells and the caverns
- Drilling, workover and completion of 2 cavern wells
- Engineering of the leaching and brine disposal plant (design, construction supervision, commissioning)
- Leaching of the caverns, brine disposal in deep aquifer
- Design and construction supervision of the gas storage surface facilities