

# Status Report and Development Aspects of the Cavern and Abandoned Mine Storages of Verbundnetz Gas AG in the New Bundeslaender of Germany

by  
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## 1. Introduction

Verbundnetz Gas AG (VNG) owns and operates two cavern storages in Bernburg, Bad Lauchstädt and the abandoned mine storage Burggraf - Bernsdorf. They are of great importance in providing a stable natural gas supply tailored to meet the needs of the market in the new German Bundeslaender.

The underground storages named are characterised by the following parameters and figures:

<i>Underground Storage</i>	<i>Bernburg</i>	<i>Bad Lauchstaedt</i>	<i>Burggraf - Bernsdorf</i>
Storage Type	Caverns	Caverns	Abandoned Mine
Commissioning Date	1974	1979	1970
Number of Wells	26	13	1
Pressure <sub>max/min</sub> bar	100/11 21	150/16 26	36/12
Max. Withdrawal Rate 10 <sup>3</sup> m <sup>3</sup> /h	833	833	40
Working Gas Volume 10 <sup>6</sup> m <sup>3</sup>	693	550	3,4

Table 1: Parameters of the VNG cavity storages (as on 30.06.1996)

In addition to the continual underground extension of both cavern storages, which has been taking place for a number of years, several essential technical projects have recently been planned for all three storages named.

The projects emphasise the importance of these storages and serve to ensure the stable and effective operation of VNG's increasing gas sendout.