



Abstract

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Title

31-2: Use of modern control systems in compressor stations for an underground gas storage

Summary

The underground gas storage Epe (salt cavern storage) is a fully automatic operated facility including a system for failure avoidance.

Regarding the operation of a storage, the requirements for a flexible usage of the storage have gone up decisively.

The goal of the exchange of the electrical, process, measurement and control technology was to achieve a central data management and an fully integrated system, to set up an outright Asset Management and to shorten the start-up and an shut-down periods during injection and withdrawal procedures.

Simultaneously, the operation modes and manners of driving for the injection and the withdrawal processes were simplified, supported by an effective operation and control of the process-involved compressors.