



Underground Gas Reservoirs Controlled by IGSS

Gas Reservoirs

Czech Republic

Underground gas reservoirs are used for seasonal storage of natural gas. During the summer when the gas consumption is low, the gas is pressed under the ground into reservoirs and stored under very high pressure. During the winter when the consumption increases, the gas is let out and supplied back to the gas line and distributed to the consumers.

The process of pressing gas in and letting it out

Pressing gas in and letting it out is an automatic process; i.e. the control system automatically carries out all operations necessary for adjusting the routes of the gas and regulates the flow rate, pressure and temperature, etc. It reacts to undesirable states, performs corresponding actions and informs the operator.

Requirements to the control system

IGSS32 and the UNICON Control System created by UniControls comply with the following requirements:

- Graphical representation of the process diagrams
- Creation of symbols representing the process components
- Simple control interaction by using a standard keyboard, a trackball or a mouse
- Visual and acoustic indication when limits are exceeded
- Creation of files of historical data
- Continuous storage of selected variables
- Reduction of data on the basis of predefined conditions
- Daily, weekly, monthly and annual summary of data
- Export of data from the control system for further processing

For further information about UniControls please go to <http://www.unicontrols.cz>

