



# Jihomoravská Plynárenská Gas Distribution

## IGSS Integrated in Gas Distribution System

Czech Republic

Jihomoravská plynárenská a.s., the gas company in the region of South Moravia, has been using the UNICON Control System in the monitoring of regulation stations since 1995. The system has been extended phase by phase, and by now 30 stations are in operation.

### The principles of gas distribution

The gas distribution system consists of a very-high-pressure transit system between regulation stations that reduces the pressure to high-pressure and medium-pressure distribution.

### The UNICON Control System

UniControl has created a control system, UNICON, which consists of an operator system and a number of control centres and process stations.

The operator system is required to be capable of

- Graphically displaying the technological diagram of the regulation station
- Visualizing the individual states of components, including alarm states
- Giving commands, i.e. entering new required states of components
- Administer alarms, i.e. indicating alarm state, the ending of an alarm and the acknowledgement of an alarm, and dividing alarms into different categories according to the degree of seriousness
- Displaying the course of measured data either in a graphical form or in a table
- Sharing/transmitting data to other software systems (DDE, OLE, ODBC)
- Setting limits and transferring them to the process stations
- Making it possible for different manufacturers of gas meters to communicate with the subordinate stations



## CUSTOMER CASE

- Communicating via different transmission media (uniform telephone network, GSM system, NMT, radio networks, satellite transmission, etc.)
- Extending communication channels if necessary
- Connecting to LAN and WAN networks

UNICON is using IGSS to comply with those requirements.

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