

Gas Wizard

Gas Wizard project started on the basis of Gas Analyzer device, created for analyzing gas samples. Gas analyses are analyzed for presence of carbon-propane in the gas sample, retrieved from a gas borehole and then sent to Gas Analyzer. Gas Analyzer is connected to a computer through regular computer port.

Our team developed program called Gas Wizard that enables its users to monitor and manage Gas Analyzer device. This project represents the integration of our software with hardware device used in Oil and Gas industry.

We can re-configure or even re-engineer hardware and software parts of this solution to any requirements you may wish to ask from us.

Gas Wizard

During project development we have implemented the following features in our solution:

1. Monitoring features. Using our solution, user is able to monitor the following elements:

- Volume of gas concentration, measured by GasWizard.
- Volume of gas concentration, taking into account delays of gas passage from drilling site to the surface.
- Drawing graphs of dependencies of gas concentration and drilling speed from drilling depth and time.

• Additionally, our solution performs internal diagnostics of Gas Analyzer itself, which includes:

Internal errors

Monitoring sensors (temperature, humidity, and etc.)

2. Management features. User is capable of managing the following elements:

- Activation of internal auto-calibration of Gas Analyzer
- Motion control of drilling (direction, activation/deactivation)
- Ability to change Gas Analyzer parameters (via internal registers)

Technologie used during project development

As our specialists developed this project, they used the following technologies:

- C#.NET
- Windows Forms
- Library of work with RS-232 (com-port) under .Net (3rd party)

