NurEt SS

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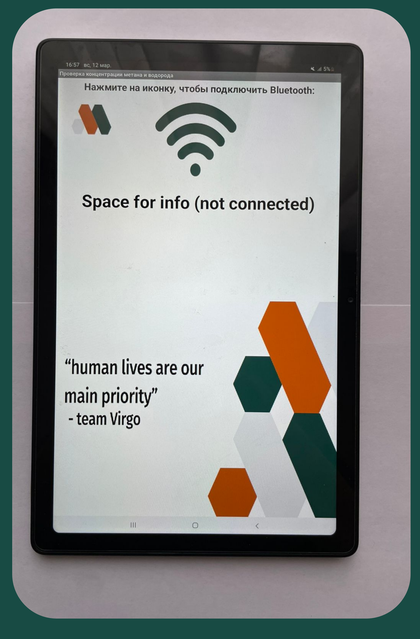
Abstract

NURET SS - is the portable gas-analyzer, aimed to help to the miners in detecting dangerous concentrations of gases like Methane and Hydrogen. The device works in pair with the mobile app, which allows users to monitor the concentrations by Bluetooth anywhere and anytime. In the last 30 years, more than 200-400 people died, because of the impossibility to measure the content of dangerous gases in mines. Our device will help to solve this problem

Objective

By automating the gas analyzer, reducing the mortality rate in mines and improving their safety system



Advantages

- Accuracy
- Automation
- Mobility

Our solution

Fully automated gas analyzer with mobile application. The methane and hydrogen sensors read the information and when gas concentrations change, sound is emitted, LEDs are lit and the application can monitor the concentration in ppm.
The device was tested at the "ДНК" mine and received good reviews.