

Provided community protection system for the surrounding inhabitants at a rig site in Kurdistan.

Adopted a real-time gas and weather monitoring system ensuring community protection is maintained during drilling operations.

Challenge

To implement a gas and weather monitoring system providing notification on toxic gas leaks in a populated EPZ.

Solution

Installed the innovative perimeter and community monitoring system Quazar™ allowing for real-time gas and weather monitoring viewable via internet.

Results

The easily accessible user interface enabled better monitoring and response for the nearby communities, allowing for quick diagnosis of gas readings.

A key Oil and Gas player required H₂S safety solutions for their Kurdistan project. The major challenge was to provide timely gas notifications to protect the two villages located in the EPZ. The mountainous location and tough winters required a reliable, portable and robust detection and communication system. United Safety implemented a state-of-the-art community protection system comprising of gas and weather monitors linked together providing accurate and reliable information of the conditions within the EPZ.



Kurdistan, Iraq

KEY CUSTOMER BENEFITS

Provided reliable gas readings and alerts through SMSs

With the location of the two villages 5km from the worksite, the client needed to make sure they are notified of any gas readings that may pose hazards to the communities. Hence, SMSs were programmed in case of gas detection to ensure a prompt emergency response.

Strong connectivity and accessibility provided accurate reports and critical information during emergency response

Due to difficult terrain conditions, boosters were deployed to enhance the connection between the Quazar™ and the base station. The use of RF (radio-frequency) and Web Technologies enabled easy wireless transmission of data to the base unit, which was ultimately uploaded via the web to the United Safety server. Thus, a comprehensive understanding of all the stored information is possible with just a simple click of the mouse.

Use of IntelliQt™ SCADA system delivered regular updates on usability and integrity of Quazar components

The use of IntelliQt™ SCADA system provided a reliable and accurate data log which could be stored, saved and reviewed at anytime from anywhere across the globe. Notifications on impending low battery life, wind speed and direction, temperature and gas readings were provided on a real-time basis, thus helping the client to make informed decisions to protect its assets and the community, prior, during and post any event.