Investigate and identify root causes of well control incident.

Facilitated a root cause analysis that determined key causal factors of an incident and recommended corrective actions to prevent it from recurring.

Challenge

Facilitate incident investigations of a well control event in remote regions.

Solution

An in-depth root cause analysis that identified gaps and suggested appropriate preventive actions.

Results

Qualified, objective investigation which contributed to improved HSE system.

An integrated global energy company was investigating a well control incident in one of their critical sour fields with high H_2S concentrations and potential high release rates. The area contained one town and two settlements of roughly 2000 inhabitants, making incident prevention a key priority. United Safety was engaged to conduct an in-depth root cause analysis in order to recommend risk mitigation measures.

Algeria

KEY CUSTOMER BENEFITS

A clear understanding of the root cause of the incident

An in-depth root cause analysis was conducted to determine and understand the possible cause of the incident. United Safety developed hypothesis of possible causes of the event based on a keen observation of facts and also developed probable failure scenarios to validate hypothesis. A thorough review of contractor and sub-contractor involvement was also conducted. This root cause analysis ensured that customers had a very clear understanding of what went wrong so they could take the appropriate corrective actions.

Appropriate corrective measures were recommended to prevent an incident from recurring

Once the root cause of the incident was detailed, recommendations on how to prevent it from recurring were clearly outlined. United Safety identified gaps in methods, systems, standards and procedures and recommended preventive actions that were necessary to improve work practices and the working environment to minimize the possibility of the incident recurring. United Safety also provided advice and technical support relating to incidents and local regional procedures.

Independent, objective investigation that provided unbiased solutions that improved the HSE system

Since the investigation was carried out by a qualified and independent third party, customers were able to focus objectively on what went wrong and more importantly, how to ensure that it does not recur. This ensured that customers could continue to monitor and improve their HSE performance while completing their incident investigation in a timely, efficient and effective manner. The results were presented to the REPSOL management to ensure that corrective actions are endorsed at a high enough level in the organization to be implemented.