



HONEYWELL SUCCESS STORY

Honeywell is a leader in effective, comprehensive gas detection solutions for the Liquefied Natural Gas industry.

BACKGROUND

A key player in European energy infrastructure, has built an LNG (liquefied natural gas) terminal on the German Baltic Sea coast to secure energy supplies in Europe. There, LNG tankers dock at the terminal to unload their cargo. The LNG is then regasified and fed into the long-distance gas pipeline network.

CHALLENGE

When unloading LNG carriers at the port, it is important to ensure a secure connection between the tanker and the unloading arm. The unloading arm is movable and has a significant height. Under heavy wind conditions, the risk of mechanical stress and leaks is heightened.

To mitigate these risks, gas monitoring systems are used to verify that the connection remains tight and leak-free. Additionally, specific parts of the tanker are monitored for the presence of flames.

Honeywell

SOLUTION

Honeywell's gas detection team collaborated closely with the operator to meet specific customer requirements. The Searchzone Sonik acoustic gas leak detector is used to monitor the unloading arm, responding to the sound pressure levels associated with compressed gas leaks. It has a typical detection radius of 20 meters, although this can vary depending on the background level of ultrasonic noise. FS20X flame detectors are utilized to provide an extra layer of security by monitoring for potential fires.

RESULTS

In addition to Honeywell's rapid and flexible service deployment, which includes short delivery times, the comprehensive gas detection solution — featuring the latest ultrasound technology — successfully satisfied the customer and passed a technical inspection. This solution significantly enhances the safety of the unloading process. Honeywell effectively addressed the customer's requirements, delivering a compelling solution grounded in a commitment to continuous innovation.



Searchzone Sonik™ is a robust and reliable gas leak detector that will efficiently “hear” the loss of containment of any high-pressure gas within its listening zone.



WARRANTY/REMEDY

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship during the applicable warranty period. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgment or consult your local sales office for specific warranty details. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace, at its option, without charge those items that Honeywell, in its sole discretion, finds defective.

The foregoing is buyer's sole remedy and is in lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Honeywell be liable for consequential, special, or indirect damages.

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