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NEON Valve Sensor QT



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De Challenge

Having reliable information available is the essence of good decision making to ensure safety in working environments, especially in industrial sites. As a result, businesses will run more efficiently and operations will be streamlined. TWTG's Industrial IoT-connected valve sensors provide this insight. This solution is tailor made for quarter turn valves.

De Solution

TWTG's Industrial IoT-connected valve sensors provide this insight. Manually operated valves require to be regularly checked and controlled which can be facilitated by digitisation. Monitoring these assets will avoid spillage and / or contaminations, and thus increase safety on-site. Communications via a privately hosted LoRaWAN – IoT network ensures IT security is a given and the total cost of ownership can be minimised. As valves are most often operated in environments with explosive atmospheres, all TWTG valve sensors are ATEX zone 1 / IECEx certified. Reliability is the first thing to consider when providing insight based on new technologies. Therefore, our Valve Sensors have been specifically designed to only communicate the essential: closed or open. This allows our customers to reduce false positives immensely and be certain of the measurements the sensor delivers.



De Businesscase

Low cost and quick installation plus tailor made for large deployments: The NEON devices provide immediate insight, and should any anomaly occur, an operator is alerted to investigate, saving further time and effort. The virtually unlimited scalability of LoRaWAN allows industrial sites to install any amount of sensors to the network in the future. This approach automates assets in a cost efficient and simple way, empowering operators to use relayed data to make informed decisions. The low power aspect of a LoRa network allows devices to run solely on battery power for up to five years, negating any need for wires and cables. And the ATEX certification ensures that the devices can be safely used in hazardous environments.