



## Ham-Let Group's global presence

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CAT IOT PROCESS Cat# 3908717



## HAM-LET QUALITY

Quality is an integral part of the development, engineering, production and planning processes at the Ham-Let Group. It is incorporated into the project starting from raw materials inspection, followed by ongoing quality assurance during production and finally through testing of the final product before delivery. Ham-Let Group quality levels meet the highest standards in including : ISO 9001, ISO14001, OSHA18000, Lloyds, DNV, S.A.E. CE (P.E.D.), ISO 15500, ECE-R110, ASME Standards and ASTM Standards.



## SMART FLOW CONTROL PROCESS & INSTRUMENTATION SOLUTIONS





Ham-Let's **Internet Of Things (IoT) Smart Valves** presents a unique breakthrough in the process valves industry. Our solutions enable online monitoring, control and management of various processes which consequently allows immediate response for safety events, machine learning and optimization, machinery & equipment protection, device tracking and additional customer tailored features

## IOTH-800 BALL VALVES SERIES

Integrating the IOT H-800 simplifies the complexity of system monitoring and control, which results in reduced total cost of ownership

### IOT APPLICATIONS

#### INDUSTRY CROSSING APPLICATIONS

- Process Control & Monitoring
- Process Management
- Machinery and Equipment Protection
- Predictive Maintenance
- Failure Prevention
- Safety Alerts

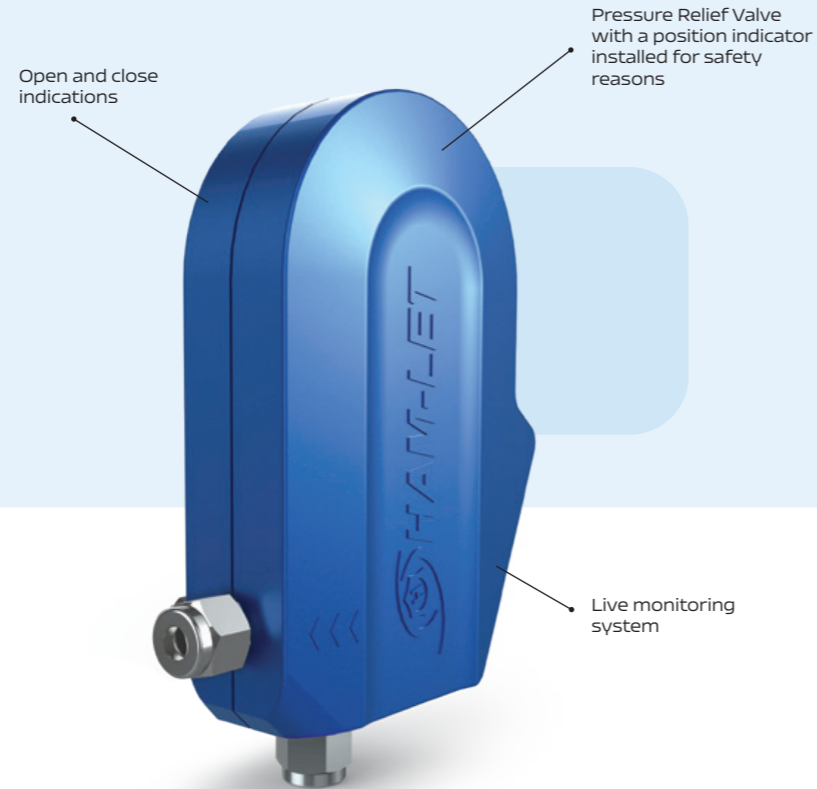
#### USE CASES

- Ability to provide real time pressure readings for both inlet and outlet pressure independently.
- Use differential pressure to detect line burst, which will trigger the valve shut off.
- Preventing fire at the facility by high temperature detection and fire suppression system triggering
- Shut off machinery after sensing strong vibrations that indicates possibility of mechanical malfunction
- Provide real time monitoring of plants ambient and media parameters under highly intrinsic safety environment.
- EPC makers looking to work on integrating multiple measuring tools and fittings under space constraint can use an integrated IoT valve to save space and cost.

#### BENEFITS

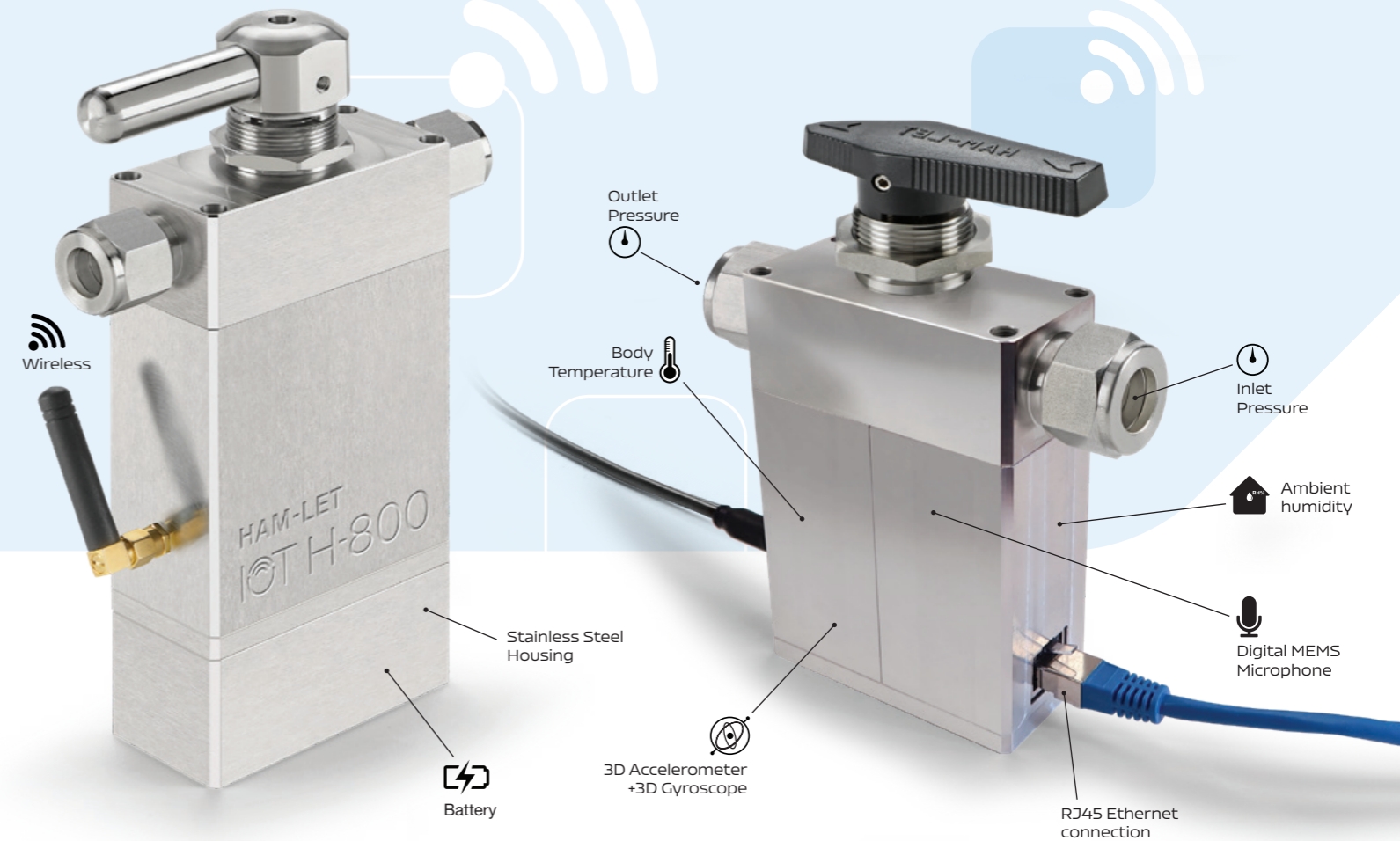
- Increased Safety
- Reduced Downtime Costs
- Improved Performance
- Lower Total Cost of Ownership
- Optional Process/Space Optimization
- Enables Machine Learning

## IOTH-900 RELIEF VALVES SERIES



### IOT H-900 FEATURES

- Relief Valve For Low Pressure Service
- MAWP: 300 Psi (206 Bar) | MAWT: 300°F (149° C)
- One Spring For All Set Pressure Range
- Ambient Temperature And Humidity, Vibration And Acoustic Online Measurement
- Gas Release Detection And Registrations
- Valves State Indication
- High Communication Security (Tls)



### IOT H-800L FEATURES

- Compact One-Piece Valve
- MAWP: 2500 Psi (172 Bar) | MAWT: 300°F (149° C)
- Virtually Zero Dead Volume
- Pressure, Temperature, Humidity, Vibration And Acoustic Online Measurement
- Precise Differential Pressure Drop Measurement (0.1-1% Accuracy)
- Position & State Indication
- Safety Shut Down
- High Communication Security (Tls)
- ATEX Certified (Wls Version)
- LoRaWan 1.1 Connectivity (WLS Version)
- Battery Operated (WLS Version)
- Over 5 Years Battery Life (WLS Version)
- UL/CE Certified

