

## WATER EFFICIENCY

## LoRaWAN Battery-Powered Pressure Sensor and Monitoring System

### PRODUCT OVERVIEW

Battery-powered pressure sensors mounted on the pipeline transmit field data via the Atlas Gateway to the AtlasServer.io Cloud platform. Pressure values can be monitored remotely through charts, maps, alarms, SMS and email notifications.



### TECHNICAL SPECIFICATIONS

|                    |                                                                        |
|--------------------|------------------------------------------------------------------------|
| Communication      | LoRaWAN Class A; AES-128                                               |
| Measurement ranges | 0-6 / 0-10 / 0-16 bar                                                  |
| Accuracy           | ±0.5% FS                                                               |
| Resolution         | 0.01 bar                                                               |
| Protection rating  | IP68                                                                   |
| Power supply       | Replaceable industrial lithium battery                                 |
| Battery life       | Target of over 5 years; depends on data frequency and field conditions |
| Radio range        | Approximately 2-5 km in urban areas; up to 10 km in open areas*        |
| Platform           | AtlasServer.io; charts, maps and historical data                       |
| Alarms             | Pressure, communication and low-battery alerts                         |
| Notifications      | SMS and email                                                          |
| Export             | Reporting and Excel / common data formats                              |

\*Radio range and battery life depend on field conditions; they are not guaranteed values.