DISCOVER **AVK SMART WATER**

AVK Smart Water products transform standard gate valves, air valves, pressure reducing valves, hydrants and more into intelligent network assets.

An AVK Smart Water enhanced network monitors, collects and communicates detailed information to the VIDI Cloud, a proactive online platform boasting a customisable dashboard that helps identify faults and failures, allowing for a swifter response to critical incidents and improved network optimisation.

Learn more at

VIDI CLOUD

A multi-device, cloud-based software platform created to receive and collate data captured by AVK Smart Water products.

- **Bespoke dashboard** tailored to your requirements provides a data-driven overview of your distribution network.
- **VIDI Cloud datasets** are easy to connect across your other network management systems via a simple API.
- **Monitors a range of network variables** such as levels, temperature, pressure, flow, valve open/closed positions and more.
- **Collect and distribute data** Contributes to improved network planning and workflow scheduling including, preventative and reactive maintenance.

SMART WATER AIR VALVE

ARISENSE provides 'remote' visibility across your air valves, reducing operational costs and leaks that can lead to fines.

- **Detect potential failures** or faults and identify air valves in need of immediate maintenance.
- **Cost-effective maintenance**, schedule your inspections and servicing proactively based on regular, accurate data.
- **Receive insightful data** that you can use to help protect your pipeline system against leaks and blockages.

VIDI POSITIONER

Transforms a standard valve or hydrant into a smart, intelligence gathering tool, providing insights for network improvements.

- **Provides accurate real-time data** on the operational status of the gate valve or hydrant.
- **Can be retro-fitted** to legacy AVK valves and hydrants across the network.
- **Communicates with VIDI Cloud** to provide an accurate dashboard map of valve and hydrant positions.

VIDI PRESSURE

Remote sensors frequently monitor water pressures delivering insights that optimise network performance in line with demand.

- **Delivers detailed data** on water pressure across the whole network.
- **Collected data provides accurate insights** that improve efficiencies and reduce operational costs.
- **Accurate pressure data** helps limit bursts and leakage, reducing non-revenue water and improving customer satisfaction.

VIDI FLOW

Sensors collect frequent data sets detailing the volume of water flowing in or out dependent upon how it's installed.

- **Measure water flow** remotely and frequently across the distribution network.
- **Detect flow anomalies earlier** and provide a swifter response to incidents.
- **Improve water security** by helping to prevent leakage incidents.
- **Accurate real-time monitoring** of flow rates contributes to network resilience.

VIDI OPEN/CLOSE

Can be retro-fitted to most valve and hydrants with handwheels, swing check valves with levers, or other types.

- **Monitors** open, closed and intermediate states in real-time.
- **Ideal for critical valves** that require constant 24/7 monitoring of their open or closed status.
- **Identifies rogue valve states** helping improve water distribution and reducing non-revenue water losses.

VIDI LEVEL

Remotely monitors and provides non-contact rising level measurements across a broad range of applications.

- **VIDI Level sensors can be used** to measure a range of important variables, such as:
  - Level of water in pits, wells, and chambers.
  - Level in wastewater networks and combined sewer overflows.
  - Level of water in lakes and streams.

AVK ASSIST

A comprehensive mobile-first, paperless solution for tracking all your assets across your distribution network.

- **QR code platform** to enable full traceability of network and VIDI assets.
- **Unique GPS pin location** provides an accurate and auditable record of each asset installed.
- **Data can be exported** in various formats for integration into existing mapping applications.

VIDI TEMPERATURE

Tracks the temperature of drinking water across the distribution network from water company to customer.

- **Monitors network water temperatures** frequently across the network.
- **Facilitates a rapid response** when temperatures reach critical levels.
- **Uses frequent data insights and alerts** to monitor, maintain and, over time, reduce temperature-sensitive locations in the distribution network.

Expect... **AVK**