



Wireless Monitoring Network is a Reality



The Market

Industrial valves are the key components of the process industry. There is a strong need in the market for monitoring actuated and in many cases also manual valves in order to enhance production and reduce operational and maintenance costs of the process line.

Tens of millions of new industrial valves are installed yearly. Aside from being used on newly installed valves, the ELTAV solution can retrofit existing valves as well. This gives the ELTAV solution a huge market potential.

System Description

ELTAV system provides a comprehensive solution for full and real time visibility of valves in your plant installed with Eltav monitoring device. The system consists of:

- **Valve Devices (VD)** that are attached to an actuated or manual valve.
- A system network that includes **Valve Device Readers (VDR)** which are wireless routers and /or wireless tunneling routers.
- **ELTAV Gateway** which manages the ELTAV networks.
- **Eltav Management System (EMS)** which is a software tool that reports about the valves' position and health status.
- **Operator Device (OD)** which is a handheld device that is used by the process line operator for setup and local data retrieval.

ELTAV wireless sensor network enables the complete monitoring of all kinds of valves in your plant, giving you a comprehensive picture of the valves' performance and health status in real time.

ELTAV's unique and pioneering solution will revolutionize plant operations. Until now, valve monitoring entailed building a wired network, making valve monitoring very expensive and cumbersome.

ELTAV's solution provides process line operators with vital information they

need at low cost, simple installation and low maintenance. ELTAV's solution is compatible with current conventional instrumentation, at the same time enhancing and extending their capabilities.

The benefits of wireless technology stretch far beyond saving installation and wiring costs by opening new possibilities in control and accountability.



