

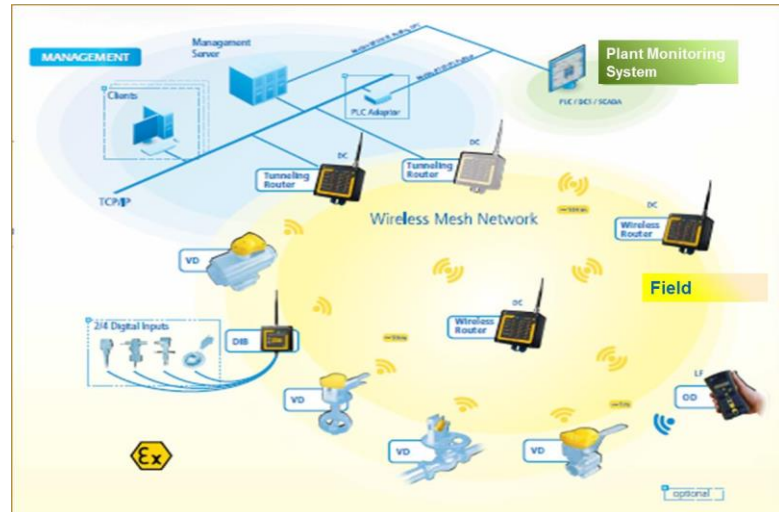


First Industrial valve wireless monitoring installation in GSK Cork, Ireland

*“... Eltav brings breakthrough wireless valve monitoring technology, by providing real time data directly into the control process. Reducing failure and risk while increasing safety and yield. All, for a fraction of the cost...”*

In November 2008 Eltav installed a valve wireless monitoring system in GSK Cork, Ireland. The system comprises of valve devices, wireless infrastructure and a gateway communicating with GSK’s DeltaV system via OPC and Modbus RTU protocols.

Eltav’s valve devices were affixed on manual and actuated valves at the water treatment plant. Installation of the valve devices gateways took two days, presenting the revolutionary ease and flexibility of installing Eltav into an existing plant infrastructure.



The valve device replaces the standard on/off feedback switchboxes, or can be mount on every nonmonitored valve. Furthermore, the device can report analog values such as valve opening percentage, environmental temperature, battery level, statistics and the dynamic vector of the valve’s movement.

The system monitors the wireless communication level and provides vital warnings. Preventive maintenance is provided by monitoring the dynamic behavior of the valve for of pressure in the pneumatic lines or even damage to the valve stem. Eltav system is scalable and “plug and play”.

Adding a valve device to the installation is as simple as fastening the mounting screws and sending a “Power On” with a portable hand held operator device.



All is done without a hot-work permit or shutdown to the line. The valve device once set for the site automatically finds the wireless network and joins in. The same applies to the wireless routers. The system integrator will assign a TAG for the valve, send it with the operator device and integrate the same TAG to the DeltaV system.

TAG	OPENED	CLOSED	ALERT	% OPEN	TAG	OPENED	CLOSED	ALERT	% OPEN
ZS-18-055	■	■		99.00	ZS-18-069	■			100.00
ZS-18-056	■	■		67.00	ZS-18-070	■			100.00
ZS-18-057		■		0.00	ZS-18-071	■			99.00
ZS-18-058	■			95.00	ZS-18-072		■		0.00
ZS-18-059	■			97.00	ZS-18-073		■		4.00
ZS-18-060	■			97.00	ZS-18-074	■	■		57.00
ZS-18-061	■			98.00	ZS-18-075	■			95.00
ZS-18-062		■		0.00	ZS-18-076	■			97.00
ZS-18-063	■	■		45.00	ZS-18-077	■			99.00
ZS-18-064		■		0.00	ZS-18-078	■	■		55.00
ZS-18-065	■			96.00	ZS-18-079		■		0.00
ZS-18-066	■			100.00					
ZS-18-067		■		0.00					
ZS-18-068	■	■		91.00					