

Case study

Don't Let Hackers Take Control... ValveAware Diagnostics

Threat to Lose Control

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Eliminate ability for hackers to control equipment

Peace of Mind

100%

Own your process, share your data

Contact your local Masoneilan representative to learn more about ValveAware Advanced Valve Diagnostics and ValVue on-site calibration tools.

Digitalization is clearly the future of our plants, with every control valve being a node available to troubleshoot and optimize systems. Intelligence is everywhere, and data is increasingly easier to access real time. A wealth of data is now accessible, which makes this world ever more dangerous when accessible to hackers!

THE CHALLENGE

Hazardous chemicals, combustible fluids, and critical products such as electricity are all essential to our daily existence, but **if compromised, these assets could become weapons of cyber terrorism**. As more sophisticated digital tools become available, **control of on-line processes become even more vulnerable to a take-over by unauthorized parties**.

THE SOLUTION

Remote access digital tools will continue to play their role in monitoring performance and diagnosing failure modes. However, it's critical that a clear separation of responsibility exists to prohibit these tools from taking control and modifying the process while on-line. **Masoneilan™ ValveAware™ provides world class performance to track trends and diagnose failures** by sharing data remotely. Advanced diagnostics through **ValveAware and DCS data can monitor 16 real time performance indicators and diagnose major failures** or performance deviations caused by the valve or positioner. Many of these can be adjusted by tuning the equipment, but for **cyber security purposes, all tuning and calibration is clearly separated from the scope of the remote tools and managed on premise with advanced tools such as Masoneilan ValVue™** calibration and tuning tools.

Don't be hacked by suppliers providing vulnerable software. **Separate ValveAware on-line monitoring from ValVue off-line calibration and control and keep your plant hacker safe!**

valves.bakerhughes.com