Case Study: Hungarian Pharma Co. Revamps Digital Plant Architecture

When Gedeon Richter Ltd. set out to automate the tank farm at its main manufacturing facility, the company sought out a vendor that offered not only process knowledge, but also compliance and validation awareness and ongoing performance assurance.

Gedeon Richter Ltd. (Budapest, Hungary), a century-old pharmaceutical manufacturer and a leading player in the Central European market, recently updated the automation and control system at its Budapest plant. Emerson Process Management completed the $500,000 PlantWeb digital plant architecture project, an extension to the company’s central tank farm installation, which supplies four plants with solvents.

In planning the automation, Emerson’s Life Sciences industry experts evaluated Richter’s unique process requirements and selected PlantWeb as having technologies best suited to optimize start-up time, and maximize operations and maintenance efficiencies. A key technology contributing to the decision was Emerson’s Fisher Design GX control valve.

Work on the expansion project started in October 2004 and included a DeltaV digital automation system, AMS Suite: Intelligent Device Manager software, HART based communications, a total of 59 Fisher Design GX control valves with Fisher FIELDVUE DVC 6000 digital valve controllers, 52 Rosemount 2088 pressure transmitters and services including engineering and installation.
Designed in accordance with European standards, the GX is a globe-style valve system that can control a wide range of process liquids, gases and vapors. It can be combined with the new integrally mounted Fisher FIELDVUE DVC2000 digital valve controller to provide operations and maintenance savings.

The GX control valve handles a wide range of process liquids, gases, and vapors.

The multi-lingual product configurator supplied free with the Fisher GX valve enabled complete specification of the valve system, simplifying valve sizing, and automating actuator selection. Other integrated options available, include a position transmitter and limit switches.

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About Gedeon Richter Ltd.

Gedeon Richter Ltd. is the leading pharmaceutical company of the Central-Eastern European region and the only Hungarian pharmaceutical company operating without a strategic investor. The company has more than 100 years’ experience in pharmaceutical manufacturing. For more information, visit [www.richter.hu/RichterWebsite](http://www.richter.hu/RichterWebsite).

About Emerson Process Management

Emerson Process Management ([www.emersonprocess.com](http://www.emersonprocess.com)) is a leader in helping businesses automate their production, processing and distribution in pharmaceuticals and many other industries. Fisher control valves ([www.emersonprocess.com/fisher](http://www.emersonprocess.com/fisher)) play a key role in Emerson’s combining of superior products and technology with industry-specific engineering, consulting, project management and maintenance services.