

## Solution Note

### Data Efficiency: Connectivity and Configuration with Experion HS and MatrikonOPC



#### Challenge

Operators must integrate systems from across the plant to transform data into actionable intelligence that allows them to optimize the process. In doing so they face dealing with a huge variety of different standards and protocols, or they must restrict their choice of controllers and devices.

Difficulty integrating and configuring systems, even when using open standards such as OPC, can rapidly erode the benefits from data integration. The constant trouble-shooting and security concerns involved can prevent businesses from unlocking the potential of operation's data resources.

Users need seamless data integration between human machine interface (HMI) software and controllers and related devices. But data integration is just the start. Once the data connection is made, a host of other challenges can emerge.

#### Solution

Experion HS is a powerful software platform incorporating HMI applications and supervisory control and data acquisition (SCADA). Paired with MatrikonOPC Universal PLC Server's connectivity for multiple devices, protocols and APIs, it leaves users free to choose the best controller for their application.

MatrikonOPC plug-ins support all the most popular programmable logic controller (PLC) protocols, including those used by Allen-Bradley, GE Fanuc, Mitsubishi, OMRON, and Siemens PLCs. Smart applications, meanwhile, cut the connectivity burden for a more effective solution.

#### Relieving Connectivity Headaches

Designed for ease of use, MatrikonOPC helps operators quickly deal with common connectivity challenges:

##### DCOM configuration

MatrikonOPC's OPC Tunneller application means users don't need to worry about different protocols, security settings or locations when sharing data.

A simple and reliable way to communicate securely between networked computers, OPC Tunneller even allows Experion HS users to implement SCADA applications where communication is performed over a wide area network (WAN) via satellite.

Able to cope with poor initial network setup issues, widespread networks, and unreliable network infrastructures, OPC Tunneller features user configurable time-outs for complete control.

##### The OPC data bridge

OPC Data Manager (ODM) provides an off-the-shelf solution to share map, and bridge OPC data between two or more control systems, such as PLCs and DCSs.

While data sharing between OPC-enabled systems, usually relies on implementing one application as an OPC client and the other as a server, ODM enables data exchange where both are servers. It also helps where Experion HS users need to exchange data with a legacy DCS from another vendor. Providing for bi-directional data exchange, it is also easy to modify as the user's data exchange needs grow.

#### The Honeywell Advantage

Honeywell Experion HS is built for quick gains in productivity and efficiency right out of the box. With the power of MatrikonOPC connectivity, configuration and data integration burdens are minimised to ensure the returns on investments are quickly realised and problems avoided.



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