

# Upgrading from Experion LS to Experion PKS



Today's competitive environment demands automation solutions that increase plant efficiency and profitability. Control system performance can significantly impact a plant's bottom line. Leveraging existing equipment and intellectual property in a control system expansion can greatly reduce costs and installation time.

Honeywell's Experion LS is a control system ideally suited for smaller operations. If a plant expansion is required that smaller systems cannot support, moving to the Experion® Process Knowledge System (PKS) can support expansion needs while providing a smooth upgrade and re-using Experion LS components and engineering.

### Controller Hardware and I/O

The C200 controller used in Experion LS is also used with Experion PKS. There is no difference in the controller hardware.

The input/output modules (Chassis, Rail-A, Rail-H) connected to the C200 controller are also used with Experion PKS. As with the C200 controller, there is no difference in the hardware between Experion LS and Experion PKS. Wiring and cabling is also kept in place and there is no need to replace them.

### Database

The Experion LS database contains all the I/O configurations and control strategies, such as Control Modules and Sequential Control Modules. The Experion LS database can be exported and then imported into Experion PKS, reducing installation and engineering time. Any configuration options available in Experion

PKS and not in Experion LS would simply be assigned a default value during the export and import process.

### Graphics

As with the Experion LS database, the graphics built in Experion LS can be exported and reused in Experion PKS. There is no change in functionality between Experion LS graphics and Experion PKS graphics. This is especially important to operators as there is no retraining required when moving from Experion LS to Experion PKS.

### Computers/Networking

Experion LS uses economy grade computers and switches with minimum specifications provided to assist in choosing computers and switches. Upgrading to Experion PKS requires using Experion PKS-qualified computers and switches. So, if economy grade PCs and switches are used with Experion LS, they will need to be replaced and additional PCs, servers and switchgear added to Experion PKS.

### Distributed System Architecture

It is also possible to expand with a new Experion PKS system and allow the existing Experion LS system to share data with the new system. Experion LS can connect to Experion PKS through Honeywell's Distributed System Architecture (DSA). Using DSA, the Experion LS system publishes data to Experion PKS.

Experion® is a registered trademark of Honeywell International Inc.

### For More Information

To learn more about Experion, visit [www.honeywell.com/ps](http://www.honeywell.com/ps) or contact your Honeywell account manager.

### Automation & Control Solutions

Process Solutions

Honeywell

2500 W. Union Hills Dr.

Phoenix, AZ 85027

Tel: +1-602-313-6665 or 877-466-3993

[www.honeywell.com/ps](http://www.honeywell.com/ps)